MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY

LAWRENCE & BARRY COUNTIES

DESIGN DESIGNATION

BUSINESS ROUTE 60
A.A.D.T. - 2024 = 2,969
FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

ROUTE 60
A.A.D.T. - 2024 = 5,147
FUNCTIONAL CLASSIFICATION - PRINCIPAL ARTERIAL

ROUTE 37
A.A.D.T. - 2024 = 3,991
FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

NO NEW R/W REQUIRED

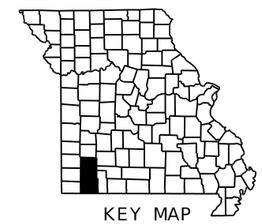
TEMPORARY CONSTRUCTION AND NEW PERMANENT EASEMENTS WILL BE REQUIRED

CONVENTIONAL SYMBOLS
(USED IN PLANS)

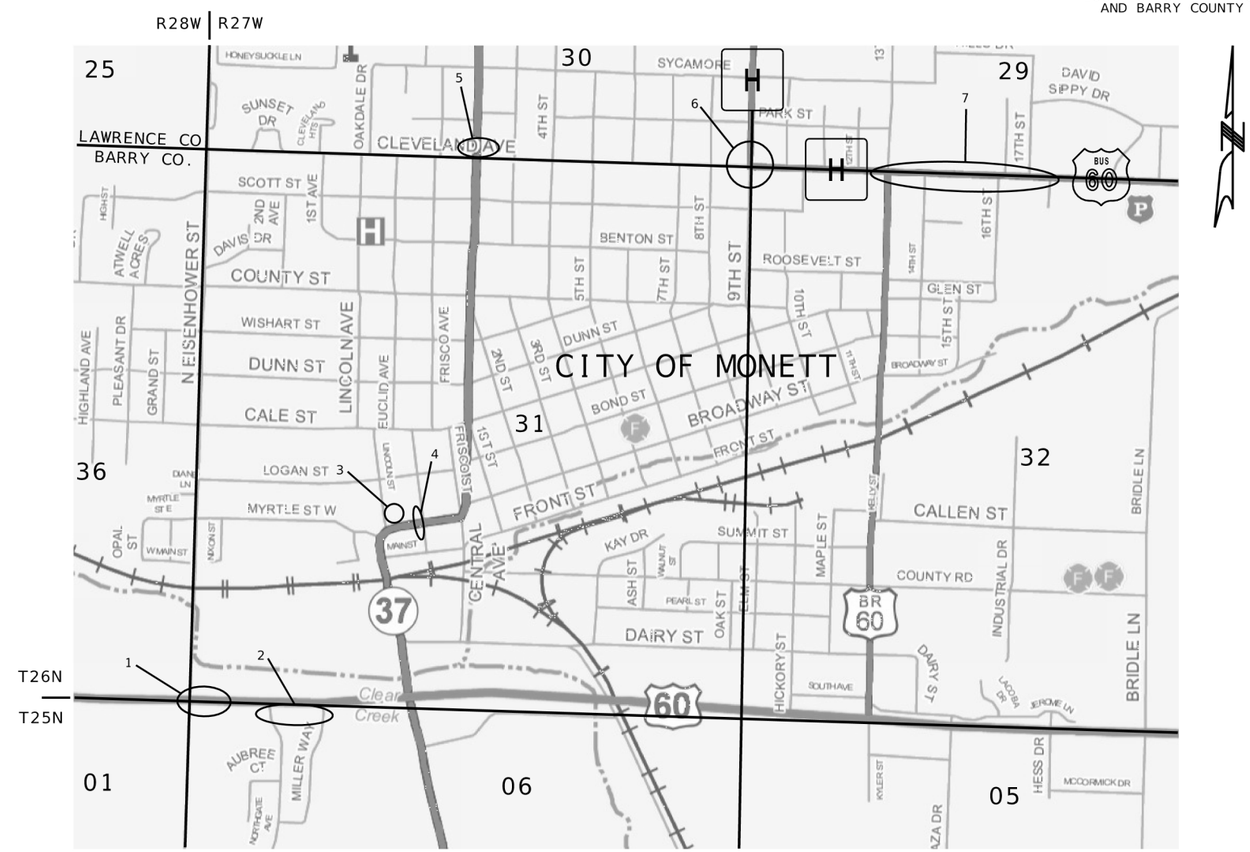
	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	~~FO~~
OVERHEAD CABLE TV	-OTV-	~~OTV~~
UNDERGROUND CABLE TV	-UTV-	~~UTV~~
OVERHEAD TELEPHONE	-OT-	~~OT~~
UNDERGROUND TELEPHONE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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

AMERICANS WITH DISABLITIES ACT (ADA) IMPROVEMENTS
SIDEWALKS, CURB RAMPS, PAVED APPROACHES
AND AUDIBLE PEDESTRIAN SIGNALS AT VARIOUS LOCATIONS



KEY MAP
LOCATION OF LAWRENCE AND BARRY COUNTY



NOT TO SCALE

LOCATIONS

1-US60/ EISENHOWER ST. INTERSECTION
2-US60/ NORTHGATE AVE. TO MILLER WAY
3-MO37 (BROADWAY ST.)/ LINCOLN AVE. NE CORNER
4-MO37 (BROADWAY ST.)/ EUCLID AVE., W. SIDE OF INTERSECTION
5-MO37 (CENTRAL AVE.)/ CLEVELAND AVE., N. SIDE OF INTERSECTION
6-RT.H/ CLEVELAND AVE./9TH ST. INTERSECTION
7-BU60 (CLEVELAND AVE.)/ 13TH ST. TO 17TH ST.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (8 SHEETS)	2
QUANTITIES (QU) (10 SHEETS)	3
PLAN-PROFILE (PP)	4-25
REFERENCE POINTS (RP)	26
COORDINATE POINTS (CP)	27-27A
SPECIAL SHEETS (SS)	28-44
TRAFFIC CONTROL SHEETS (TC)	45-47
EROSION CONTROL SHEETS (EC)	48
SIGNALS (SG)	49-72
SIGNING (SN)	73-74

LENGTH OF PROJECT

ROUTE 60

BEGINNING OF PROJECT	STA. 372+00.00	
END OF PROJECT	STA. 386+00.00	
APPARENT LENGTH	1400.00	FEET

ROUTE 37 (BROADWAY ST.)

BEGINNING OF PROJECT	STA. 6+50.00	
END OF PROJECT	STA. 11+00.00	
APPARENT LENGTH	450.00	FEET

ROUTE 37 (CENTRAL AVE.)

BEGINNING OF PROJECT	STA. 44+63.52	
END OF PROJECT	STA. 46+38.52	
APPARENT LENGTH	175.00	FEET

CLEVELAND AVE. / ROUTE H

BEGINNING OF PROJECT	STA. 478+00.00	
END OF PROJECT	STA. 480+00.00	
APPARENT LENGTH	200.00	FEET

CLEVELAND AVE. / BUS. 60

BEGINNING OF PROJECT	STA. 491+25.00	
END OF PROJECT	STA. 508+50.00	
APPARENT LENGTH	1725.00	FEET

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS	0.00	FEET
NET LENGTH OF PROJECT	3950.00	FEET
STATE LENGTH	0.748	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0.1	ACRES

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	1
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

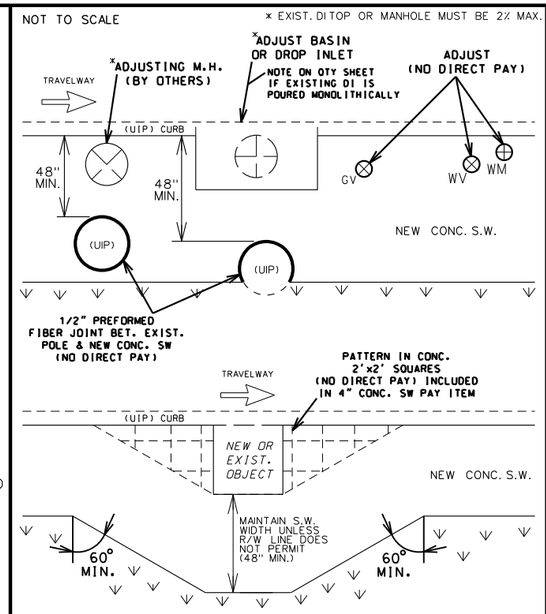
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

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

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

NOT TO SCALE

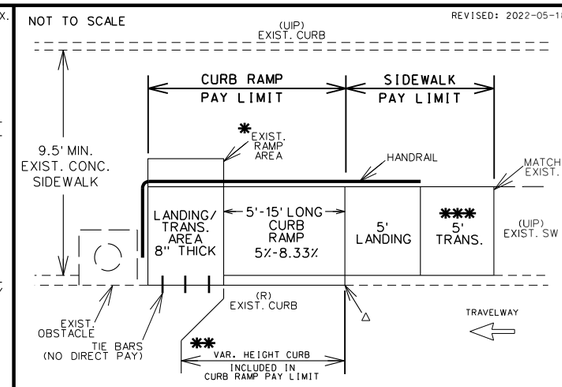


UTILITIES OR VARIOUS OBSTACLES

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

NOT TO SCALE

REVISED: 2022-05-18



△ MATCH EXIST CURB

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

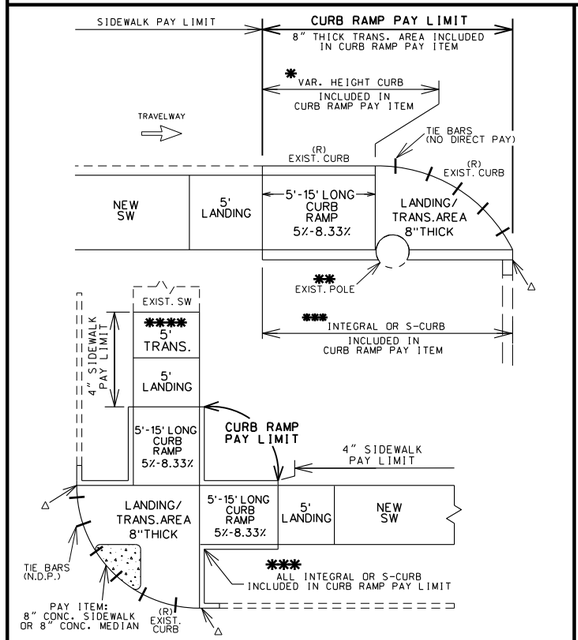
** VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONSTRUCTED MONOLITHIC OR SEPERATE DEPENDING ON CONST. OPERATIONS.

*** TO BLEND CROSS SLOPE DISCREPENCY

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

CURB RAMP - IN EXISTING 9.5'+ WIDE SW

PAY LIMITS



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

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

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

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

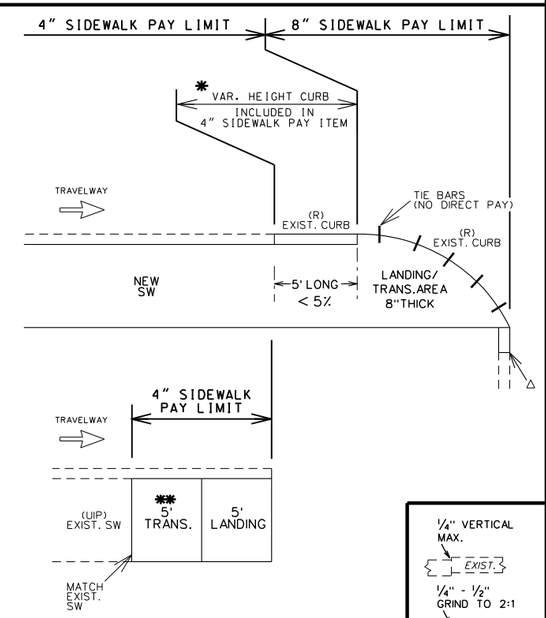
**** TO BLEND CROSS SLOPE DISCREPENCY

CURB RAMP

PAY LIMITS

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

NOT TO SCALE



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

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

** TO BLEND CROSS SLOPE DISCREPENCY

SIDEWALK

PAY LIMITS

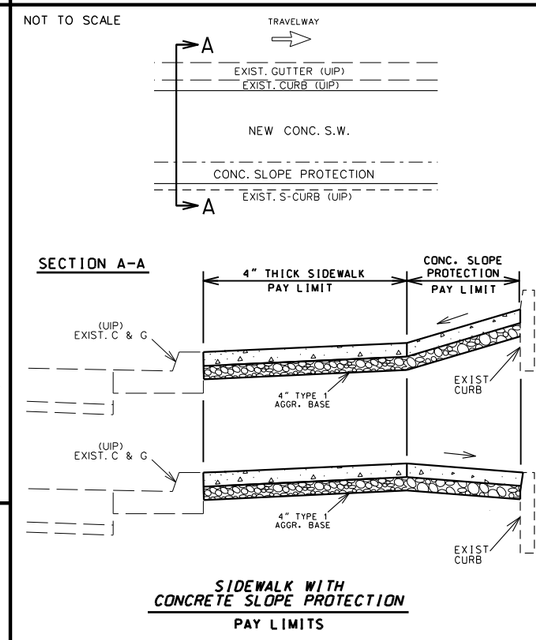
WHEN RAMP AREA IS 5' LONG AND LESS THEN 5% GRADE. IT IS CONSIDERED SIDEWALK

NOT TO SCALE

JOINT GRINDING

TRIP HAZARDS 622-99.03

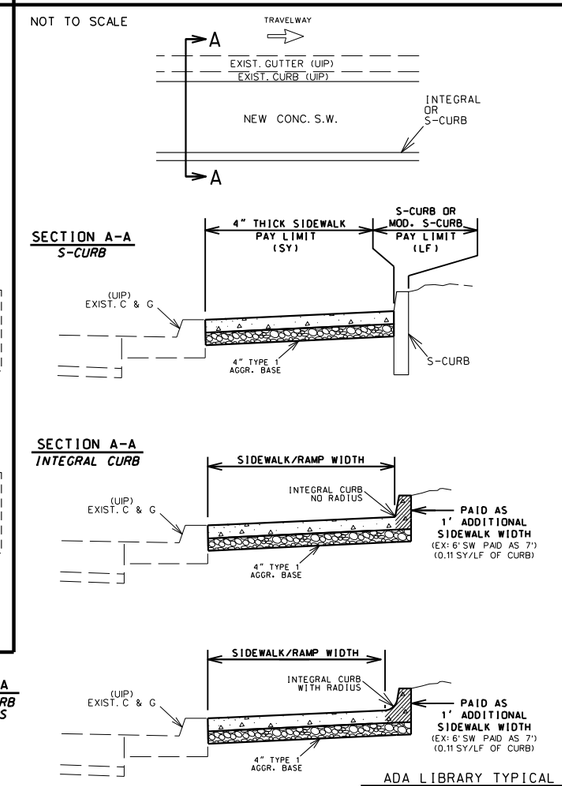
NOT TO SCALE



SIDEWALK WITH CONCRETE SLOPE PROTECTION

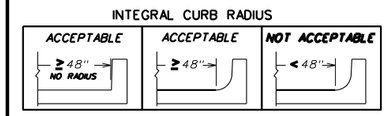
PAY LIMITS

NOT TO SCALE



ADA LIBRARY TYPICAL

INTEGRAL CURB RADIUS



SECTION A-A
INTEGRAL CURB WITH RADIUS

SIDEWALK & RAMP WITH CURB

PAY LIMITS

TYPICAL SECTION
SHEET 1 OF 8

STATE OF MISSOURI
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DATE PREPARED	
1/29/2024	
ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	2
COUNTY	
BARRY/LAWRENCE	
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DESCRIPTION	DATE

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REVISED: 2022-05-18

PERPENDICULAR - TYPE 1

TYPE 1-A

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	10.0	12.0	-	10.0	12.0	-	10.0	12.0	
CURB RAMP SY	-	8.2	12.8	-	10.8	12.7	-	13.5	15.8	
CONC. SIDEWALK SY	-	5.6	6.4	-	5.6	6.4	-	4.9	6.4	
TYPE 1 AGGREGATE SY	-	13.8	16.0	-	16.4	19.1	-	18.3	22.2	
ADA LINEAR GRADING LF	-	22.0	22.0	-	27.5	27.5	-	30.0	30.5	
SODDING SY	-	5.8	5.7	-	6.8	6.9	-	7.5	7.9	

TYPE 1-B

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	22.0	24.0	-	22.0	24.0	-	22.0	24.0	
CURB RAMP SY	-	10.9	13.1	-	13.6	16.3	-	16.2	19.3	
CONC. SIDEWALK SY	-	5.6	6.3	-	5.6	6.4	-	4.9	5.7	
TYPE 1 AGGREGATE SY	-	16.5	19.4	-	19.2	22.7	-	21.1	25.0	
ADA LINEAR GRADING LF	-	28.0	28.0	-	34.5	34.5	-	38.0	38.0	
SODDING SY	-	7.4	7.8	-	8.4	8.7	-	9.1	9.5	

TYPE 1-C

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	10.0	12.0	-	10.0	12.0	-	10.0	12.0	
CURB RAMP SY	-	8.8	10.3	-	11.5	13.4	-	14.1	16.5	
CONC. SIDEWALK SY	-	5.6	6.4	-	5.6	6.4	-	4.9	5.7	
TYPE 1 AGGREGATE SY	-	14.4	16.7	-	17.1	19.8	-	19.0	22.1	
ADA LINEAR GRADING LF	-	22.0	22.0	-	26.5	26.5	-	30.0	30.0	
SODDING SY	-	11.5	11.7	-	13.5	13.5	-	15.0	15.2	

TYPE 1-D

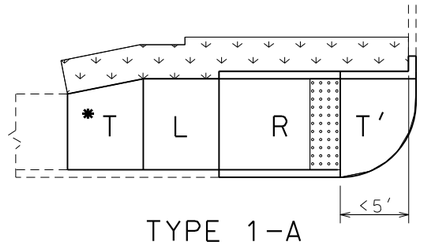
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0	
CURB RAMP SY	-	18.6	22.8	-	24.0	29.0	-	29.3	35.3	
CONC. SIDEWALK SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	29.8	35.6	-	35.2	41.8	-	39.1	46.7	
ADA LINEAR GRADING LF	-	42.0	50.0	-	57.0	61.0	-	67.0	72.0	
SODDING SY	-	11.0	11.3	-	13.0	13.3	-	14.5	14.9	

TYPE 1-E

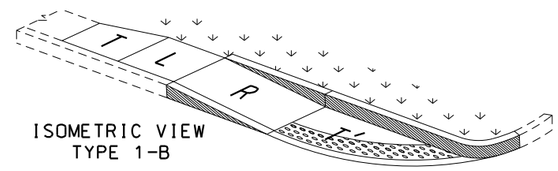
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0	
CURB RAMP SY	-	14.8	19.0	-	20.1	25.2	-	25.5	31.4	
CONC. SIDEWALK SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	26.0	31.8	-	31.3	38.0	-	35.3	42.8	
ADA LINEAR GRADING LF	-	43.0	46.0	-	52.0	55.0	-	59.0	62.0	
SODDING SY	-	13.3	13.6	-	16.0	16.9	-	18.6	19.3	

TYPE 1-F

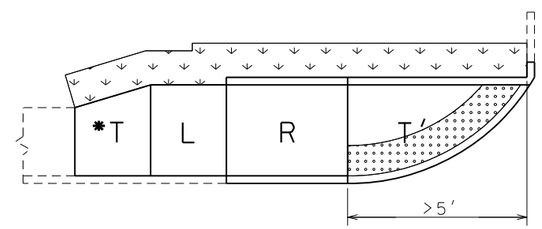
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	14.0	16.0	-	14.0	16.0	-	14.0	16.0	
CURB RAMP SY	-	15.5	19.0	-	20.8	25.2	-	26.2	31.4	
CONC. SIDEWALK SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	26.7	31.8	-	32.0	38.0	-	36.0	42.8	
ADA LINEAR GRADING LF	-	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	



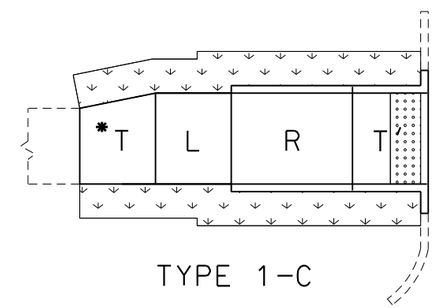
TYPE 1-A



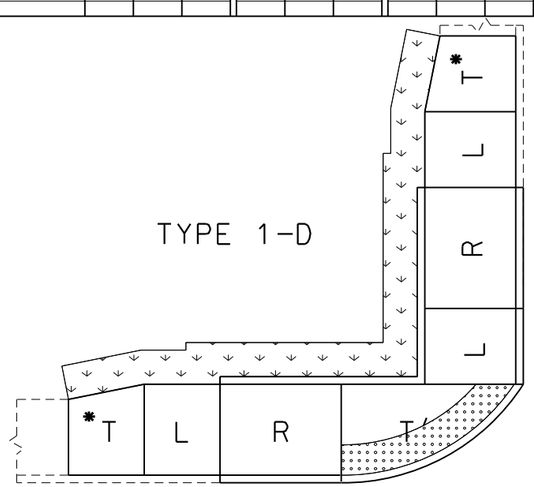
ISOMETRIC VIEW
TYPE 1-B



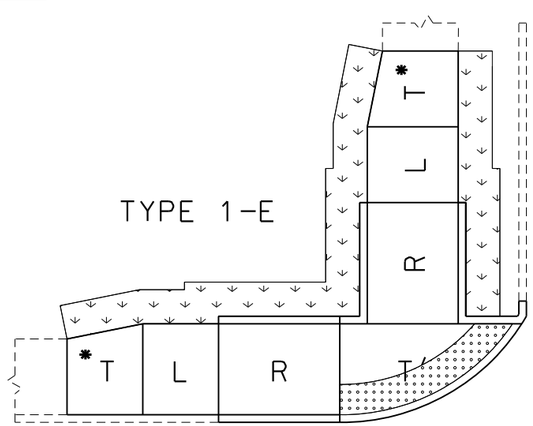
TYPE 1-B



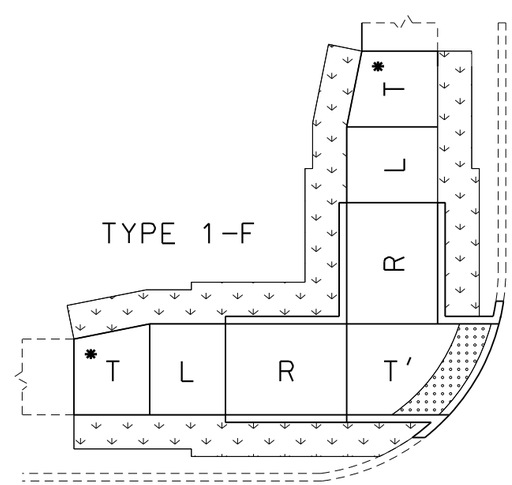
TYPE 1-C



TYPE 1-D



TYPE 1-E



TYPE 1-F

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 PREFERED AT PAVED APPROACH IF CONDITIONS ALLOW)

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

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.

ADA LIBRARY TYPICAL

TYPE 1

PERPENDICULAR CURB RAMPS

TYPICAL SECTION
SHEET 2 OF 8

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 1/29/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: BARRY/LAWRENCE

JOB NO.: J7S3472

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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PARALLEL - TYPE 2

TYPE 2-A

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	9.1	10.6	-	11.8	13.7	-	14.4	16.8	
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	14.7	17.0	-	16.7	19.4	-	19.3	22.5	
ADA LINEAR GRADING	LF	-	26.0	26.0	-	29.0	29.0	-	33.0	33.0	
SODDING	SY	-	8.0	8.3	-	8.6	8.8	-	9.6	9.8	

TYPE 2-B

LENGTH (LF)		8			12			16			REMARKS
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

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	16.4	18.7	-	21.7	24.9	-	27.0	31.2	
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	27.6	31.5	-	31.5	36.3	-	36.8	42.6	
ADA LINEAR GRADING	LF	-	41.0	41.0	-	47.0	47.0	-	55.0	55.0	
SODDING	SY	-	12.3	12.5	-	13.6	13.9	-	15.6	15.9	

TYPE 2-D

LENGTH (LF)		8			12			16			REMARKS
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	

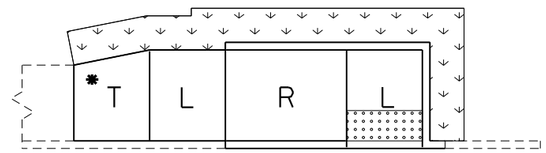
TYPE 2-E

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	10.8	11.5	-	13.2	14.4	-	15.7	17.3	
CONC. SIDEWALK	SY	-	5.6	6.7	-	5.0	6.0	-	5.0	6.0	
TYPE 1 AGGREGATE	SY	-	16.4	18.2	-	18.2	20.4	-	20.7	23.3	
ADA LINEAR GRADING	LF	-	22.5	22.5	-	26.5	26.5	-	30.5	30.5	
SODDING	SY	-	-	-	-	-	-	-	-	-	
HANDRAIL	LF	-	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH

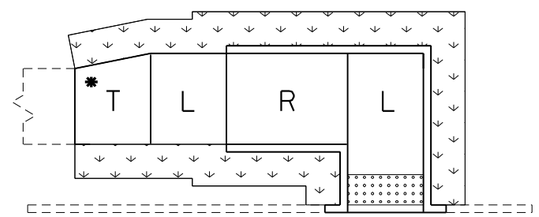
TYPE 2-F

LENGTH (LF)		8			12			16			REMARKS
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.



TYPE 2-A



TYPE 2-B

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

NOTE: SEE STANDARDS FOR ALL PED. PUSH BUTTON LOCATIONS

- TRUNCATED DOME

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

T - TRANSITION TO EXISTING SW

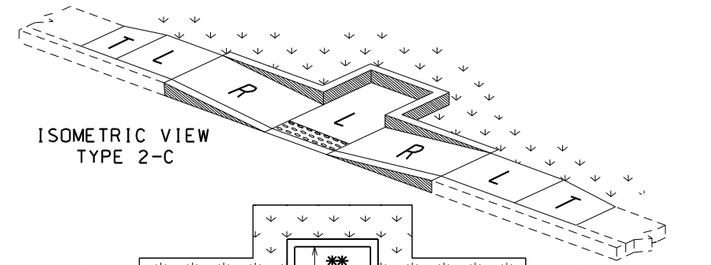
* - T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L - LANDING

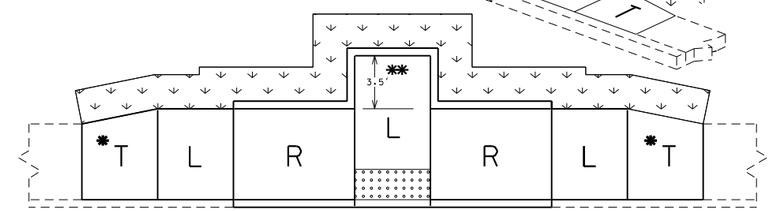
R - RAMP

- SOD SLOPE 6:1 MIN.

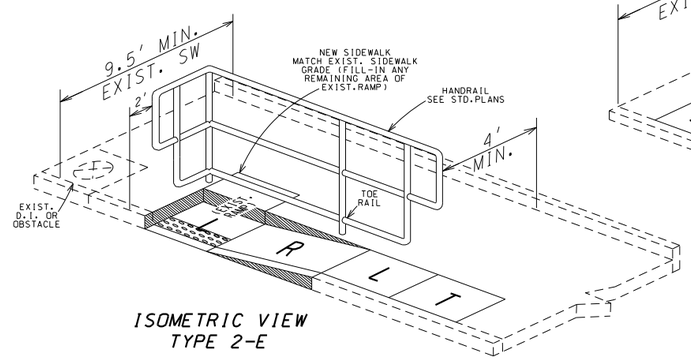
- CURB RAMP PAY LIMITS



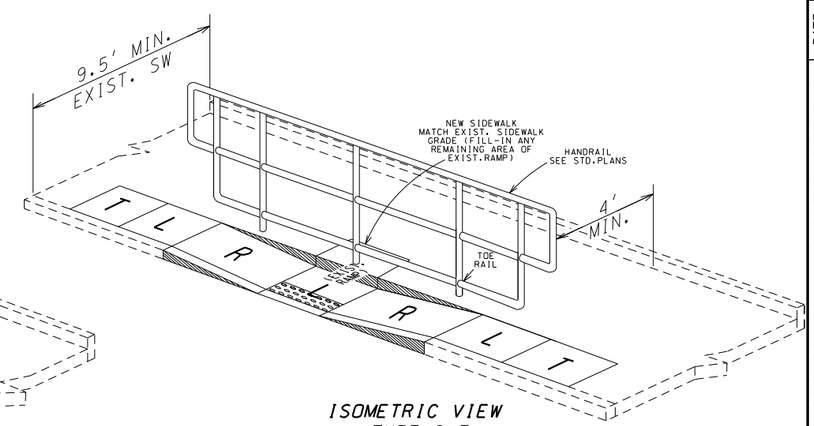
ISOMETRIC VIEW
TYPE 2-C



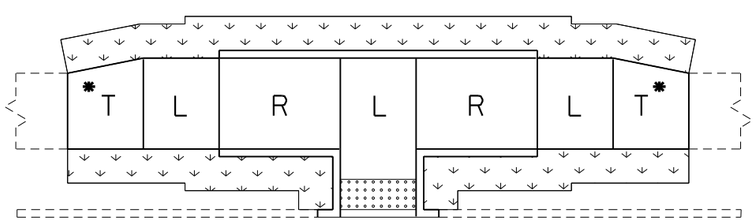
TYPE 2-C



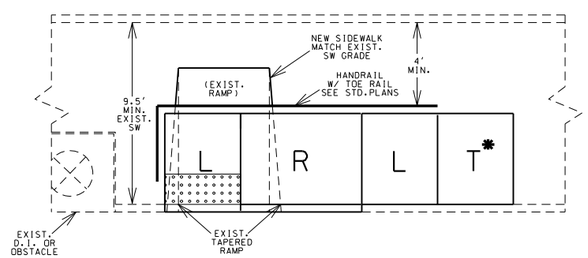
ISOMETRIC VIEW
TYPE 2-E



ISOMETRIC VIEW
TYPE 2-F



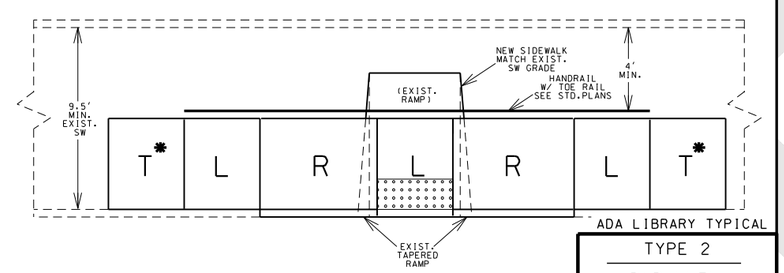
TYPE 2-D



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

ADA LIBRARY TYPICAL

TYPE 2

PARALLEL
CURB RAMPS

TYPICAL SECTION
SHEET 3 OF 8

REVISED: 2022-05-18

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
1/29/2024	
ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	2
COUNTY	
BARRY/LAWRENCE	
JOB NO.	
J7S3472	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

REVISED: 2022-05-18

PARALLEL - TYPE 2 (cont'd.)

TYPE 2-G

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	15.7	18.0	-	20.8	23.7	-	25.8	30.2	
CONC. SIDEWALK SY	-	21.4	25.0	-	17.6	20.3	-	15.2	17.5	
TYPE 1 AGGREGATE SY	-	37.1	43.0	-	38.4	44.0	-	41.0	47.7	
ADA LINEAR GRADING LF	-	52.0	52.0	-	54.0	54.0	-	58.0	58.0	
SODDING SY	-	13.6	13.6	-	13.7	13.5	-	14.5	14.9	

TYPE 2-H

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	15.7	18.0	-	21.0	24.5	-	26.9	31.4	
CONC. SIDEWALK SY	-	13.2	16.0	-	12.0	14.2	-	12.0	14.4	
TYPE 1 AGGREGATE SY	-	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.

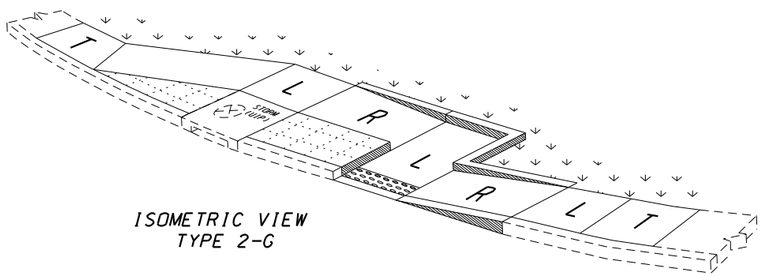
- TRUNCATED DOME LOCATION, IF DIST. IS <5' OR > 5'

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

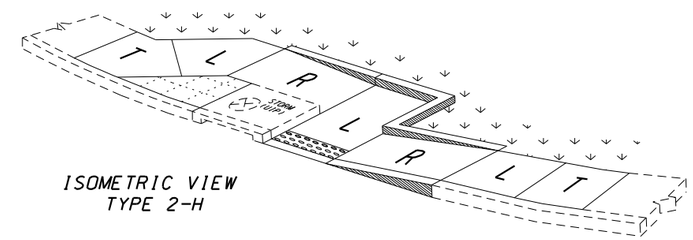
- CURB RAMP PAY LIMITS

- INCLUDED IN 4" CONC. SIDEWALK PAY LIMIT

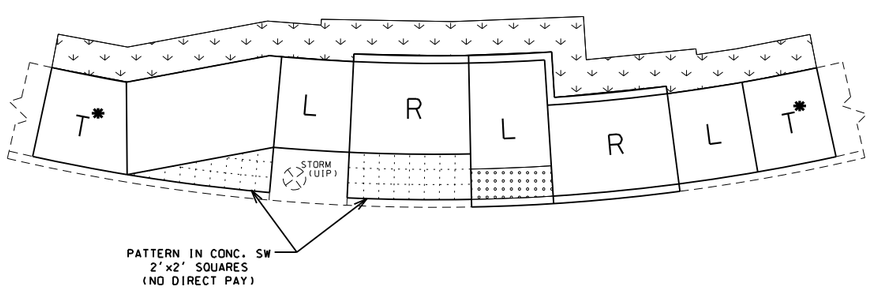
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



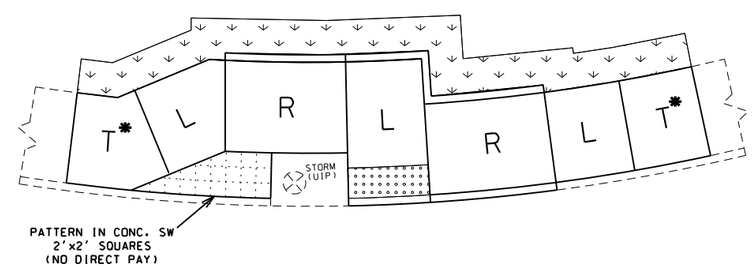
ISOMETRIC VIEW
TYPE 2-G



ISOMETRIC VIEW
TYPE 2-H



TYPE 2-G



TYPE 2-H

ADA LIBRARY TYPICAL

TYPE 2

PARALLEL
CURB RAMPS

TYPICAL SECTION
SHEET 4 OF 8

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 1/29/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: BARRY/LAWRENCE

JOB NO.: J7S3472

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9951
COA# 00062
weareown.com
OWN
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REVISED: 2022-05-18

DIAGONAL - TYPE 3

TYPE 3-A

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0	
CURB RAMP	SY	-	24.4	27.0	-	26.9	31.2	-	32.2	37.4	
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	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
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0	
CURB RAMP	SY	-	22.0	26.3	-	25.9	31.2	-	31.2	37.4	
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	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
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	20.0	24.0	-	20.0	24.0	-	20.0	24.0	
CURB RAMP	SY	-	20.7	26.8	-	25.1	31.5	-	30.4	37.7	
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	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	

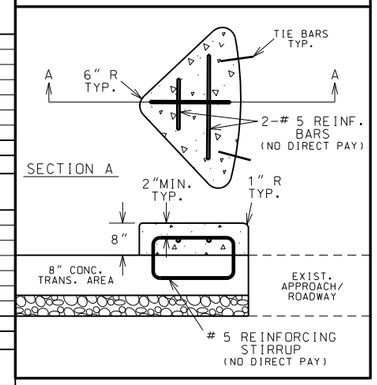
TYPE 3-D

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	24.0	28.0	-	22.4	26.5	-	22.4	26.5	
CURB RAMP	SY	-	15.9	19.1	-	17.7	21.4	-	20.4	24.5	
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	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
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	20.0	24.0	-	20.0	24.0	-	20.0	24.0	
CURB RAMP	SY	-	17.2	19.8	-	17.7	21.4	-	20.4	24.5	
CONC. SIDEWALK	SY	-	8.4	10.7	-	7.3	9.4	-	7.3	9.4	
TYPE 1 AGGREGATE	SY	-	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	

- DETAIL -
8" SIDEWALK OR 8" MEDIAN STRIP



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 PREFERED IF CONDITIONS ALLOW)

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

L - LANDING

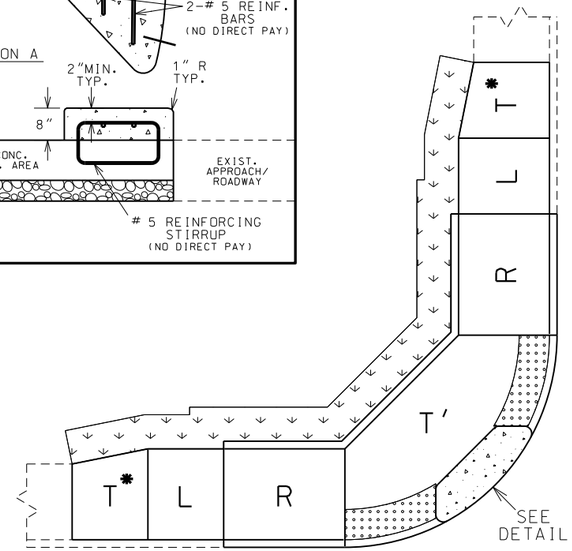
R - RAMP

- CURB RAMP PAY LIMITS

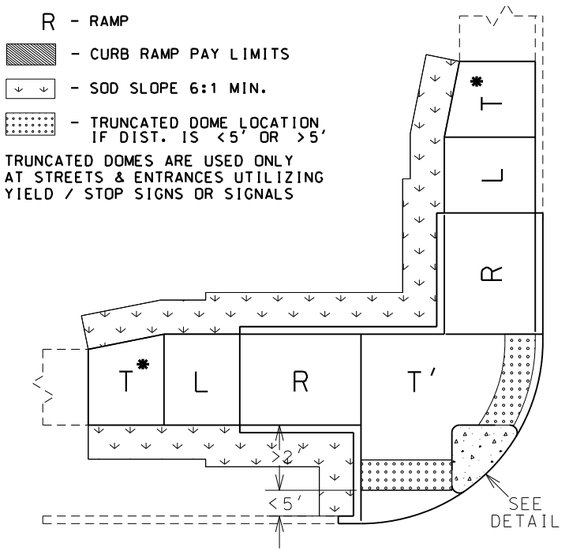
- SOD SLOPE 6:1 MIN.

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

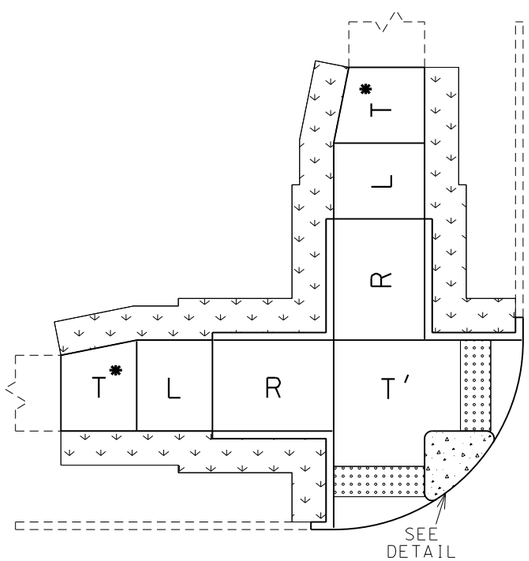
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS



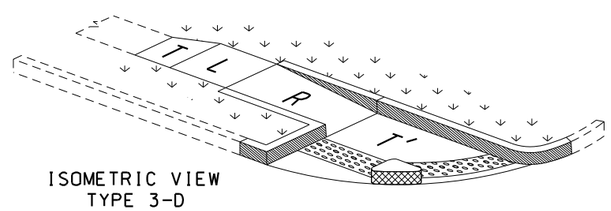
TYPE 3-A



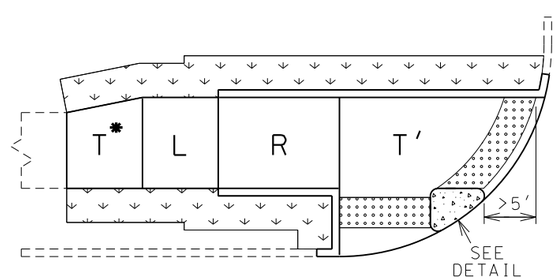
TYPE 3-B



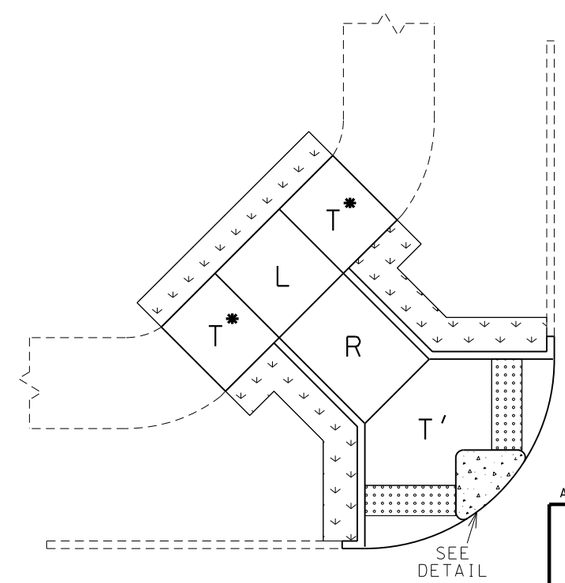
TYPE 3-C



ISOMETRIC VIEW
TYPE 3-D



TYPE 3-D



TYPE 3-E

ADA LIBRARY TYPICAL

TYPE 3
DIAGONAL CURB RAMPS

TYPICAL SECTION
SHEET 5 OF 8

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
1/29/2024	
ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	2
COUNTY	
BARRY/LAWRENCE	
JOB NO.	
J7S3472	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

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Engineering beyond.™

REVISED: 2022-05-16

NOTES FOR MODIFIED SIDEWALK:

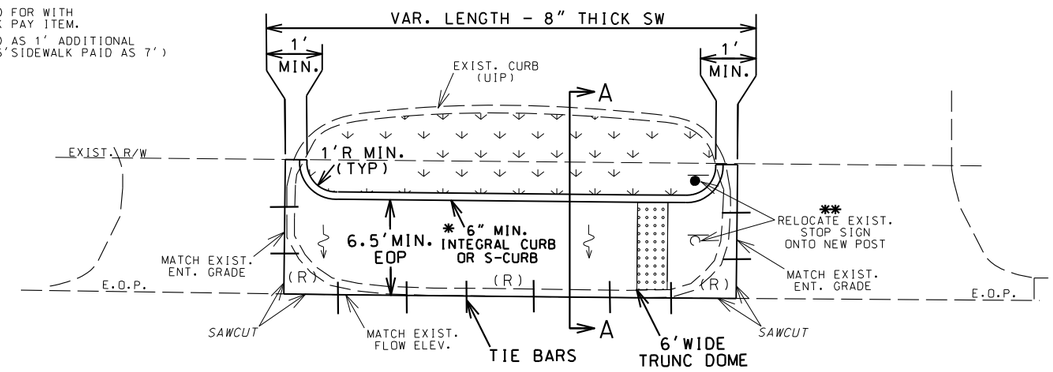
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 8" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ADJACENT TO MODIFIED SIDEWALK.
5. MODIFIED SIDEWALK 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)

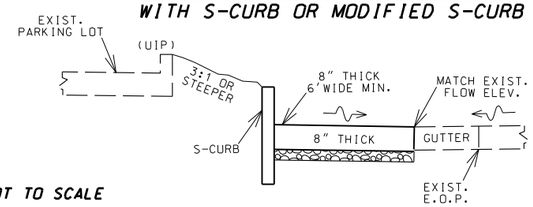
TYPICAL MODIFIED SIDEWALK

8" THICK

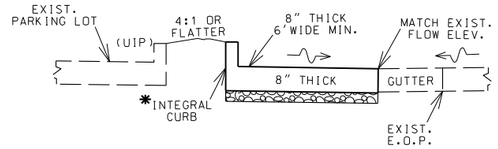
✱✱ TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP/YIELD SIGNS OR SIGNALS.



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



SECTION A-A
WITH INTEGRAL CURB



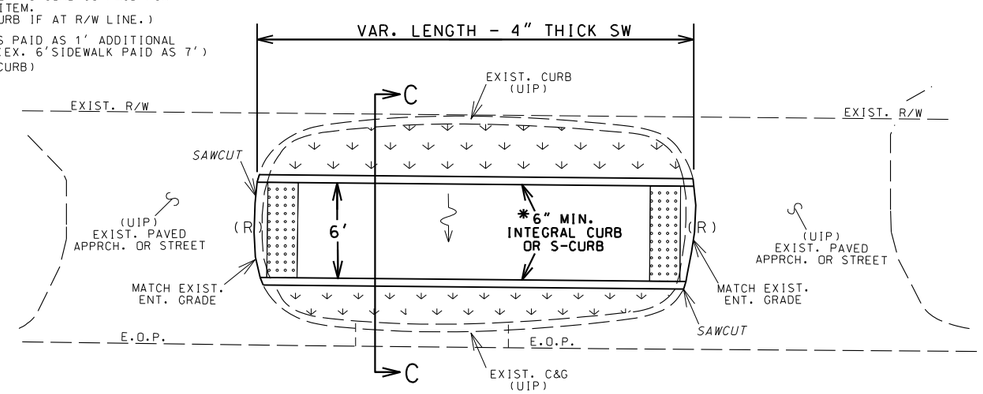
NOT TO SCALE

NOTES FOR CUT-THRU SIDEWALK:

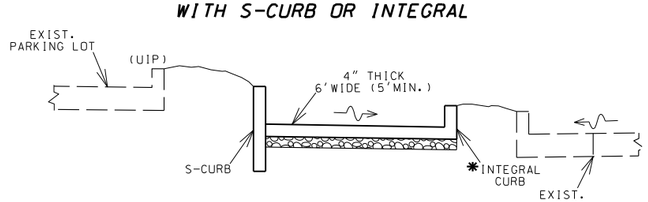
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 4" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ON BOTH SIDES ADJACENT TO SIDEWALK.
5. CUT-THRU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

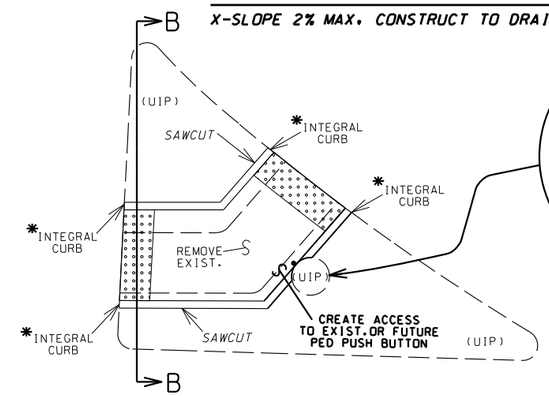


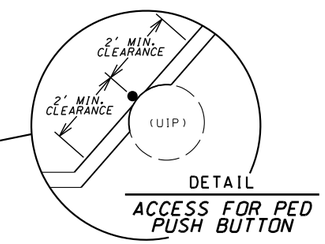
NOT TO SCALE

NOT TO SCALE

TYPICAL ISLAND CUT-THRU SIDEWALK

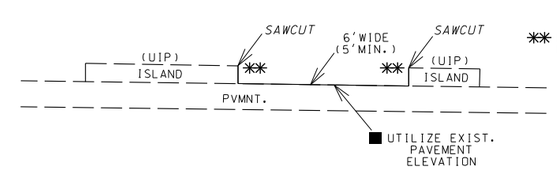
X-SLOPE 2% MAX. CONSTRUCT TO DRAIN





DETAIL
ACCESS FOR PED PUSH BUTTON

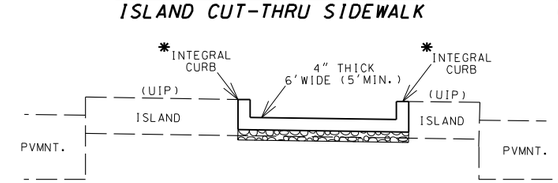
SECTION B-B
ISLAND CUT-THRU SIDEWALK FOR EXISTING 'PINNED-ON' ISLAND



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

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

SECTION B-B
ISLAND CUT-THRU SIDEWALK



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

ADA LIBRARY TYPICAL

MODIFIED SIDEWALK AND SIDEWALK CUT-THRUs

TYPICAL SECTION
SHEET 6 OF 8

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
1/29/2024	
ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	2
COUNTY	
BARRY/LAWRENCE	
JOB NO.	
J7S3472	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

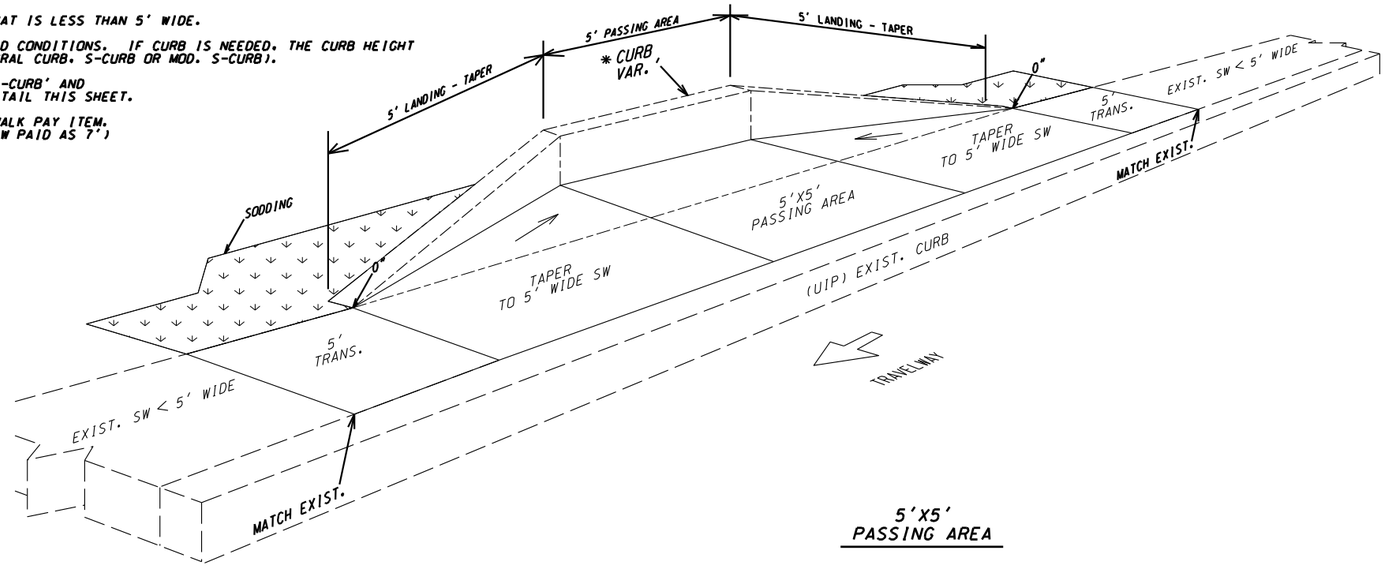
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN Engineering beyond.™

REVISED: 2023-11-15

NOTES:

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

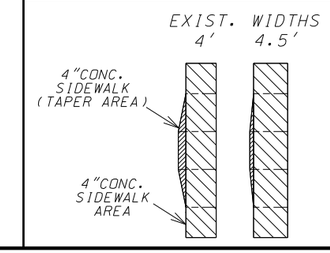


5'X5' PASSING AREA

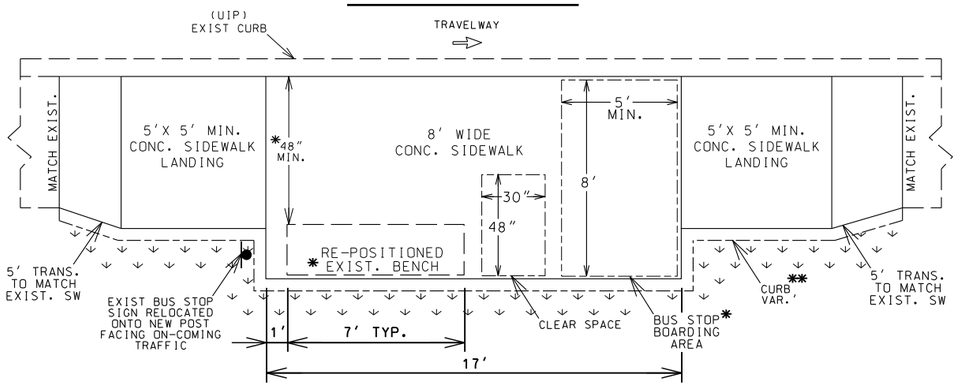
NOT TO SCALE

QUANTITIES FOR PASSING AREAS

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



BUS STOP WITH BENCH



NOTES:

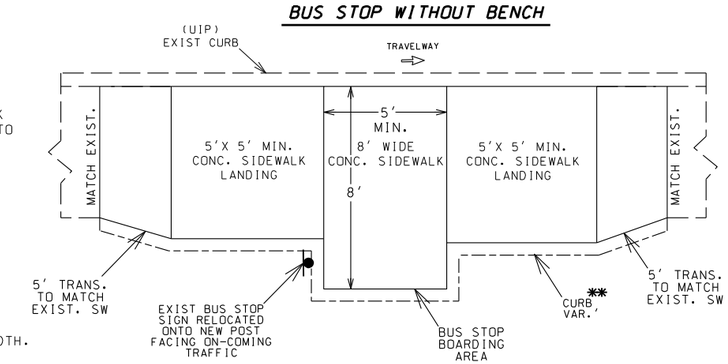
* 1. THE RE-POSITIONED BENCH SHALL NOT BE PLACED ON THE 5'X8' BUS STOP BOARDING AREA. PLACE THE BACK OF THE BENCH AT THE BACK EDGE OF THE CONC. PAD TO PROVIDE MAX.CLEARANCE.

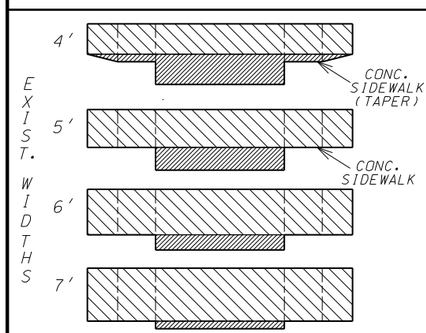
** 2. CURB USAGE DEPENDS ON FIELD CONDITIONS. IF CURB IS NEEDED DUE TO CUT, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).

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

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

BUS STOP WITHOUT BENCH

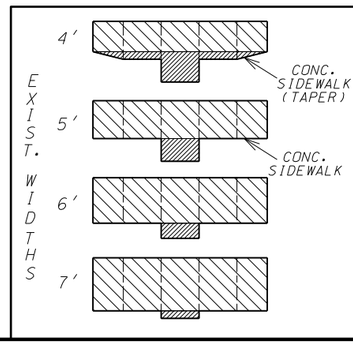




QUANTITIES FOR BUS STOPS WITH BENCH

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
MODIFIFED S-CURB	LF	43.5	27.0	25.0	23.0
SODDING	SY	10.6	10.4	9.8	9.4
LINEAR GRADING	LF	37.0	37.0	37.0	37.0

NOT TO SCALE



QUANTITIES FOR BUS STOPS - NO BENCH

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

ADA LIBRARY TYPICAL

PASSING AREAS AND BUS STOPS

TYPICAL SECTION
SHEET 7 OF 8

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: BARRY/LAWRENCE
JOB NO.: J7S3472
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)

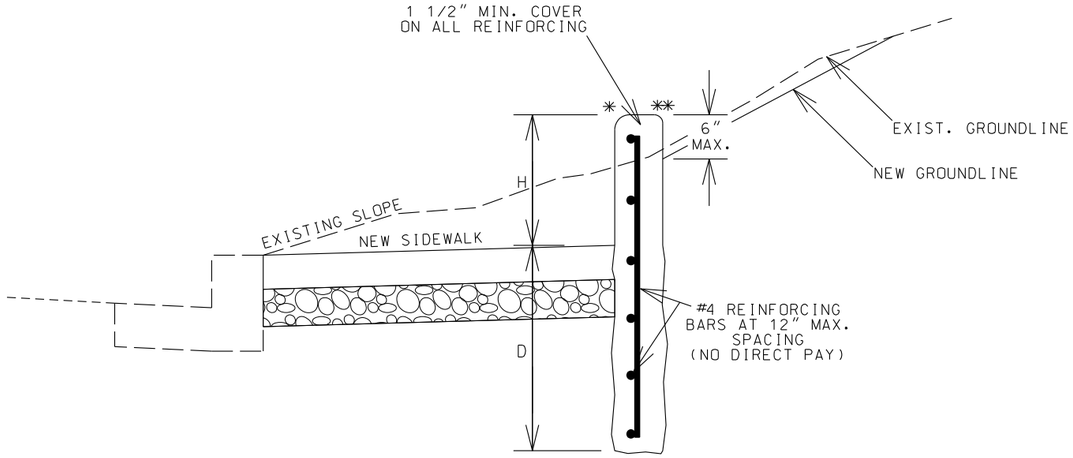
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9951
COA# 00062
weareown.com
OWN Engineering beyond.

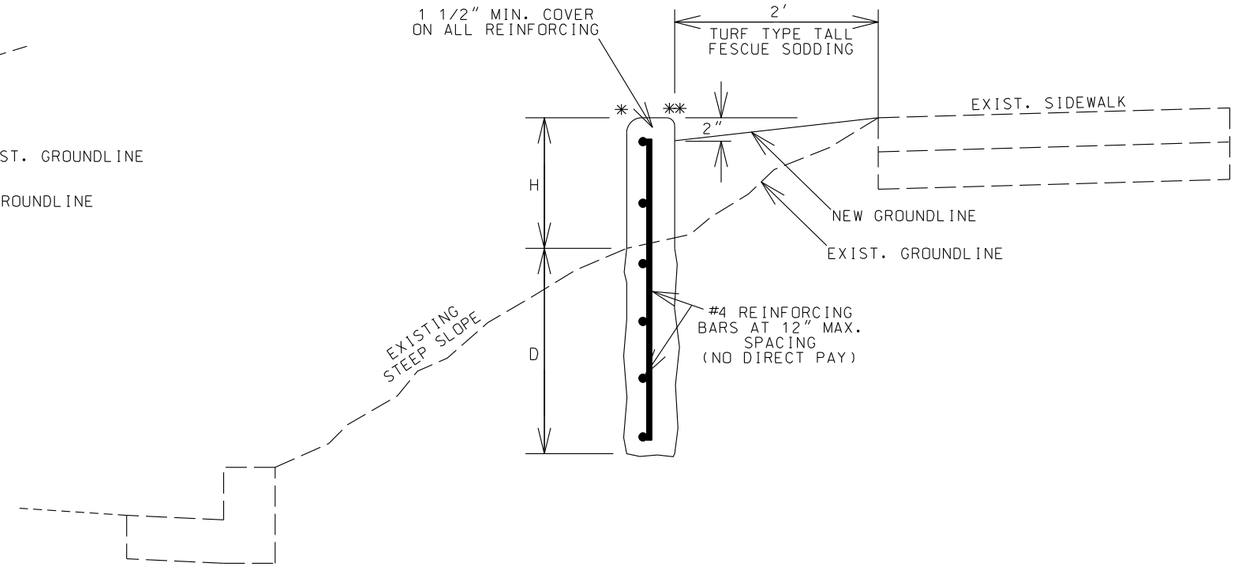
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

CREATED: 2023-11-16
REVISED:

✳ 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

ADA LIBRARY TYPICAL

MODIFIED S-CURB

TYPICAL SECTION
SHEET 8 OF 8

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	2
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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REMOVAL OF IMPROVEMENTS (TABLE 1 OF 4)

STA.	STA.	ROUTE	LOC.	QTY.	DESCRIPTION
372+29.45		ROUTE 60	37' LT.	2	PUSHBUTTON
372+49.68		ROUTE 60	33' RT.	2	PUSHBUTTON
372+50.64		ROUTE 60	36' RT.	2	PUSHBUTTON
372+47.45		ROUTE 60	30' RT.	1	TRUNCATED DOMES
372+31.02		ROUTE 60	51' RT.	1	TRUNCATED DOMES
375+57.74		ROUTE 60	36' RT.	1	TRUNCATED DOMES
372+02.45	372+31.02	ROUTE 60	31' RT.	1	491.8 SQ. FT. CONCRETE MEDIAN
372+50.64	372+57.74	ROUTE 60	36' RT.	1	45.9 SQ. FT. CONCRETE MEDIAN
372+36.01	372+57.28	ROUTE 60	56' RT.	1	411.6 SQ. FT. CONCRETE MEDIAN
373+07.20		ROUTE 60	38' LT.	1	PUSHBUTTON
373+07.20		ROUTE 60	22' LT.	1	PUSHBUTTON
373+11.46	373+32.88	ROUTE 60	44' RT.	1	28.1' EXIST. C&G, SAW CUTS INCL.
373+30.50		ROUTE 60	47' RT.	2	PUSHBUTTON
374+46.73	375+48.73	ROUTE 60	38' RT.	1	102' HANDRAIL
374+46.73	375+48.73	ROUTE 60	43' RT'	1	102' HANDRAIL
376+04.00		ROUTE 60	45' RT.	1	11.2 SQ. FT. CONC. SIDEWALK
380+47.00		ROUTE 60	65' RT.	1	6.5 SQ. FT. CONC. SIDEWALK
380+46.00		ROUTE 60	71' RT.	1	7.8 SQ. FT. CONC. SIDEWALK
380+49.52	380+49.82	ROUTE 60	68' RT.	1	8.1 L.F. EXIST. C&G, SAW CUTS INCL.
380+79.55	380+79.55	ROUTE 60	68' RT.	1	8.1 L.F. EXIST. C&G, SAW CUTS INCL.
380+87.74	382+32.46	ROUTE 60	60'- 69' RT.	1	630.6 SQ. FT. CONC. SIDEWALK
381+13.51	381+73.71	ROUTE 60	67'-69' RT.	1	60' EXIST. RETAINING WALL
385+39.00		ROUTE 60	85' RT.	1	STEEP GRADE SIGN ONLY
385+48.00		ROUTE 60	86' RT.	1	3.4 SQ. FT. CONC. SIDEWALK
385+48.00		ROUTE 60	92' RT.	1	2.9 SQ. FT. CONC. SIDEWALK
385+50.16	385+50.75	ROUTE 60	90' RT.	1	8.0 L.F. EXIST. C&G, SAW CUTS INCL.
385+85.00		ROUTE 60	88' RT.	1	8.0 SQ. FT. CONC. SIDEWALK
385+79.26	385+80.33	ROUTE 60	93' RT.	1	11.9 L.F. EXIST. C&G, SAW CUTS INCL.
10+43.81		ROUTE 37	53. RT.	1	10.2 SQ. FT. CONC. SIDEWALK
10+38.74		ROUTE 37	48' RT.	1	0.8 SQ. FT. CONC. SIDEWALK
10+43.18		ROUTE 37	42' RT.	1	19.5 SQ. FT. CONC. SIDEWALK
10+44.95	10+39.50	ROUTE 37	47' RT.	1	24.7 L.F. EXIST. C&G, SAW CUTS INCL.
7+52.04	7+79.59	ROUTE 37	25'-28' RT.	1	36.3 SQ. FT. CONC. SIDEWALK
7+44.49		ROUTE 37	36' RT.	1	12.4 SQ. FT. CONC. SIDEWALK
7+44.74		ROUTE 37	33' LT.	1	8.4 SQ. FT. CONC. SIDEWALK
6+78.30	6+98.57	ROUTE 37	30' RT.	1	28.5 L.F. EXIST. C&G, SAW CUTS INCL.
7+56.52	7+37.94	ROUTE 37	30' RT.	1	23.4 L.F. EXIST. C&G, SAW CUTS INCL.
7+39.07	7+60.82	ROUTE 37	30' LT.	1	28.4 L.F. EXIST. C&G, SAW CUTS INCL.
44+69.64		CENTRAL AVE.	2' RT.	1	SIGNAL DETECTOR
44+74.92		CENTRAL AVE.	13' RT.	1	SIGNAL DETECTOR
44+81.55	45+14.04	CENTRAL AVE.	28' LT.	1	41.5 L.F. EXIST. C&G, SAW CUTS INCL.
44+81.55	45+10.65	CENTRAL AVE.	28' LT.	1	162.3 SQ. FT. CONC. SIDEWALK
45+02.21		CENTRAL AVE.	31' LT.	1	EXIST. PULL BOX

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LUMP SUM

MOBILIZATION
1 LUMP SUM

REMOVAL OF IMPROVEMENTS (TABLE 2 OF 4)

45+05.36		CENTRAL AVE.	32' LT.	2	PUSHBUTTONS
44+84.90	44+91.25	CENTRAL AVE.	25' RT.	1	18.3 SQ. FT. CONC. DRIVEWAY
44+85.87	45+25.56	CENTRAL AVE.	23' RT.	1	71.6 L.F. EXIST. C&G, SAW CUTS INCL.
44+87.13	45+25.56	CENTRAL AVE.	35' RT.	1	138.8 SQ. FT. CONC. SIDEWALK
45+06.96		CENTRAL AVE.	40' RT.	2	PUSHBUTTONS
45+89.99		CENTRAL AVE.	2' RT.	1	STOP BAR
45+02.63		CENTRAL AVE.	15' RT.	1	STOP BAR
45+49.35		CENTRAL AVE.	37' RT.	2	CROSSWALK LINES
45+46.79		CENTRAL AVE.	25' LT.	2	CROSSWALK LINES
45+30.26		CENTRAL AVE.	32' LT.	1	STOP BAR
45+44.04		CENTRAL AVE.	46' LT.	1	STOP BAR
45+51.04		CENTRAL AVE.	64' RT.	1	STOP BAR
45+73.99		CENTRAL AVE.	49' RT.	1	STOP BAR
45+73.37	45+99.04	CENTRAL AVE.	35' LT.	1	35.5 L.F. EXIST. C&G, SAW CUTS INCL.
45+78.44	46+16.26	CENTRAL AVE.	27' LT.	1	273.8 SQ. FT. CONC. SIDEWALK
45+89.77		CENTRAL AVE.	13' RT.	1	CROSSWALK LINES
45+94.13		CENTRAL AVE.	6' LT.	1	STOP BAR
46+08.36		CENTRAL AVE.	2' RT.	1	STOP BAR
46+30.70		CENTRAL AVE.	8' LT.	1	SIGNAL DETECTOR
45+81.13	46+27.36	CENTRAL AVE.	51' RT.	1	63.7 L.F. EXIST. C&G, SAW CUTS INCL.
45+85.00	46+27.36	CENTRAL AVE.	47' RT.	1	118.4 SQ. FT. CONC. SIDEWALK
45+90.11	46+27.36	CENTRAL AVE.	55' RT.	1	48.7 L.F. EXIST. CURB, SAW CUTS INCL.
45+94.97		CENTRAL AVE.	45' RT.	2	PUSHBUTTONS
478+51.17	478+87.99	ROUTE H	38' LT.	1	125.3 SQ. FT. CONC. SIDEWALK
478+72.27		ROUTE H	39' LT.	2	PUSHBUTTONS
478+66.83	478+90.83	ROUTE H	26' LT.	1	49.8 L.F. EXIST. C&G, SAW CUTS INCL.
478+78.20		ROUTE H	4' LT.	1	CROSSWALK LINES
478+50.93		ROUTE H	2' RT.	1	STOP BAR
478+67.88		ROUTE H	15' RT.	1	STOP BAR
478+57.04	478+78.50	ROUTE H	32' RT.	1	243.7 SQ. FT. CONC. SIDEWALK
478+57.04	478+78.50	ROUTE H	26' RT.	1	53.1 L.F. EXIST. C&G, SAW CUTS INCL.
479+00.01		ROUTE H	51' LT.	1	STOP BAR
479+11.14		ROUTE H	70' LT.	1	STOP BAR
479+09.41		ROUTE H	32' RT.	2	CROSSWALK LINES
479+08.87		ROUTE H	53' RT.	1	STOP BAR
479+21.43		ROUTE H	42' RT.	1	STOP BAR
479+21.95		ROUTE H	62' RT.	1	SIGNAL DETECTOR
479+29.61	479+78.52	ROUTE H	50' RT.	1	68.5 L.F. EXIST. C&G, SAW CUTS INCL.
479+29.61	479+51.94	ROUTE H	50' RT.	1	79.2 SQ. FT. CONC. SIDEWALK
479+60.82	479+77.93	ROUTE H	25' RT.	1	70.3 SQ. FT. CONC. SIDEWALK
479+44.96		ROUTE H	13' LT.	1	STOP BAR
479+75.04		ROUTE H	1' LT.	1	STOP BAR
497+39.34	492+04.08	ROUTE H	20' LT.	1	827.9 SQ. FT. CONC. DRIVEWAY
491+94.68	492+33.76	ROUTE H	30' LT.	1	388.6 SQ. FT. CONC. SIDEWALK
492+08.96	492+33.76	ROUTE H	21' LT.	1	45.3 SQ. FT. EXIST C&G, SAW CUTS INCL.
491+83.35		ROUTE H	1' RT.	1	STOP BAR
491+96.73		ROUTE H	11' RT.	1	STOP BAR
492+12.00		ROUTE H	1' LT.	2	CROSSWALK LINES
491+88.56	492+22.73	ROUTE H	35' RT.	1	385.7 SQ. FT. CONC. SIDEWALK
492+02.38	492+22.73	ROUTE H	32' RT.	1	32.2 L.F. EXIST C&G, SAW CUTS INCL.
492+12.87		ROUTE H	43' RT.	2	PUSHBUTTONS
492+51.74		CLEVELAND AVE.	26' RT.	2	CROSSWALK LINES
492+64.88		CLEVELAND AVE.	44' RT.	1	STOP BAR
			LUMP SUM CONT'D	1	

SUMMARY SHEET
SHEET 1 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 1/29/2024
ROUTE: 60,37,B60
STATE: MO
DISTRICT: SW
SHEET NO.: 3
COUNTY: BARRY/LAWRENCE
JOB NO.: J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

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

REMOVAL OF IMPROVEMENTS (TABLE 3 OF 4)

STA.	STA.	ROUTE	LOC.	QTY.	DESCRIPTION
492+63.53	492+97.10	CLEVELAND AVE.	LT.	1	47.2 L.F. EXIST. C&G, SAW CUTS INCL.
492+90.61	493+28.01	CLEVELAND AVE.	RT.	1	41.5 L.F. EXIST. C&G, SAW CUTS INCL.
493+91.70	494+06.80	CLEVELAND AVE.	RT.	1	15.1 L.F. EXIST. C&G, SAW CUTS INCL.
492+10.79	475+00.00	CLEVELAND AVE.	36' LT.	2	PUSHBUTTON
492+12.87	475+00.00	CLEVELAND AVE.	43' RT.	2	PUSHBUTTON
492+74.57	475+00.00	CLEVELAND AVE.	43' LT.	2	PUSHBUTTON
492+13.00		CLEVELAND AVE.	25' LT.	1	PULLBOX
492+91.68	475+00.00	CLEVELAND AVE.	43' RT.	2	PUSHBUTTON
492+69.00	475+00.00	CLEVELAND AVE.	46' LT.	1	24.3 SQ. FT. CONC. SIDEWALK
492+76.00	475+00.00	CLEVELAND AVE.	40' LT.	1	2.8 SQ. FT. CONC. SIDEWALK
494+04.41	494+25.13	CLEVELAND AVE.	LT.	1	20.7 L.F. EXIST. C&G, SAW CUTS INCL.
494+76.09	494+84.10	CLEVELAND AVE.	RT.	1	8.0 L.F. EXIST. C&G, SAW CUTS INCL.
495+05.02	495+23.70	CLEVELAND AVE.	LT.	1	18.7 L.F. EXIST. C&G, SAW CUTS INCL.
495+47.00	475+00.00	CLEVELAND AVE.	32' LT.	1	108.7 SQ. FT. CONC. SIDEWALK
495+71.54	495+87.66	CLEVELAND AVE.	RT.	1	25.5 L.F. EXIST. C&G, SAW CUTS INCL.
495+88.00	475+00.00	CLEVELAND AVE.	69' RT.	1	143.2 SQ. FT. CONC. SIDEWALK
496+38.00	475+00.00	CLEVELAND AVE.	32' LT.	1	79.9 SQ. FT. CONC. SIDEWALK
496+39.00	475+00.00	CLEVELAND AVE.	68' RT.	1	140.6 SQ. FT. CONC. SIDEWALK
495+35.40	496+56.29	CLEVELAND AVE.	LT.	1	22.3 L.F. EXIST. C&G, SAW CUTS INCL.
496+40.76	496+64.81	CLEVELAND AVE.	RT.	1	34.7 L.F. EXIST. C&G, SAW CUTS INCL.
497+27.00	475+00.00	CLEVELAND AVE.	32' LT.	1	36.8 SQ. FT. CONC. SIDEWALK
497+54.00	475+00.00	CLEVELAND AVE.	34' RT.	1	84.9 SQ. FT. CONC. SIDEWALK
497+62.13	497+82.13	CLEVELAND AVE.	LT.	1	20.0 L.F. EXIST. C&G, SAW CUTS INCL.
498+25.00	475+00.00	CLEVELAND AVE.	33' RT.	1	72.7 SQ. FT. CONC. SIDEWALK
498+44.45	498+66.12	CLEVELAND AVE.	RT.	1	21.7 L.F. EXIST. C&G, SAW CUTS INCL.
502+28.55	502+34.34	CLEVELAND AVE.	LT.	1	5.0 L.F. EXIST. C&G, SAW CUTS INCL.
502+44.00	475+00.00	CLEVELAND AVE.	31' LT.	1	45.1 SQ. FT. CONC. SIDEWALK
502+69.00	475+00.00	CLEVELAND AVE.	31' LT.	1	43.0 SQ. FT. CONC. SIDEWALK
502+78.70	502+87.55	CLEVELAND AVE.	LT.	1	8.8 L.F. EXIST. C&G, SAW CUTS INCL.
502+80.00	475+00.00	CLEVELAND AVE.	33' RT.	1	103.2 SQ. FT. CONC. SIDEWALK
502+60.86	502+88.80	CLEVELAND AVE.	RT.	1	31.2 L.F. EXIST. C&G, SAW CUTS INCL.
503+27.82	503+57.25	CLEVELAND AVE.	LT.	1	35.3 L.F. EXIST. C&G, SAW CUTS INCL.
503+52.00	475+00.00	CLEVELAND AVE.	36' LT.	1	28.5 SQ. FT. CONC. SIDEWALK
503+60.00	475+00.00	CLEVELAND AVE.	33' RT.	1	111.0 SQ. FT. CONC. SIDEWALK
503+50.94	503+85.68	CLEVELAND AVE.	RT.	1	38.5 L.F. EXIST. C&G, SAW CUTS INCL.
503+96.00	475+00.00	CLEVELAND AVE.	36' LT.	1	32.6 SQ. FT. CONC. SIDEWALK
504+06.00	475+00.00	CLEVELAND AVE.	34' RT.	1	86.9 SQ. FT. CONC. SIDEWALK
503+92.60	504+16.85	CLEVELAND AVE.	LT.	1	28.3 L.F. EXIST. C&G, SAW CUTS INCL.
504+79.04	504+94.04	CLEVELAND AVE.	RT.	1	15.0 L.F. EXIST. C&G, SAW CUTS INCL.
504+60.00	475+00.00	CLEVELAND AVE.	33' RT.	1	86.9 SQ. FT. CONC. SIDEWALK
505+86.96	505+88.24	CLEVELAND AVE.	LT.	1	19.2 L.F. EXIST. C&G, SAW CUTS INCL.
505+85.00	475+00.00	CLEVELAND AVE.	98' LT.	1	24.1 SQ. FT. CONC. SIDEWALK
506+16.56	506+18.59	CLEVELAND AVE.	LT.	1	22.4 L.F. EXIST. C&G, SAW CUTS INCL.
506+88.76	507+08.23	CLEVELAND AVE.	LT.	1	19.5 L.F. EXIST. C&G, SAW CUTS INCL.
506+90.15	507+11.15	CLEVELAND AVE.	RT.	1	21.0 L.F. EXIST. C&G, SAW CUTS INCL.
507+36.70	507+55.10	CLEVELAND AVE.	RT.	1	20.1 L.F. EXIST. C&G, SAW CUTS INCL.
507+76.39	507+86.21	CLEVELAND AVE.	RT.	1	20.1 L.F. EXIST. C&G, SAW CUTS INCL.
		LUMP SUM CONT'D		1	

REMOVAL OF IMPROVEMENTS (TABLE 4 OF 4)

STA.	STA.	ROUTE	LOC.	QTY.	DESCRIPTION
44+73.45		ROUTE 37	2' RT.	1	EXIST. LOOP DETECTOR
44+78.81		ROUTE 37	13' RT.	1	EXIST. LOOP DETECTOR
45+29.21		ROUTE 37	50' LT.	1	EXIST. LOOP DETECTOR
45+43.61		ROUTE 37	63' LT.	1	EXIST. LOOP DETECTOR
46+12.77		ROUTE 37	7' LT.	1	EXIST. LOOP DETECTOR
46+24.60		ROUTE 37	3' RT.	1	EXIST. LOOP DETECTOR
45+50.47		ROUTE 37	78' RT.	1	EXIST. LOOP DETECTOR
45+63.03		ROUTE 37	66' RT.	1	EXIST. LOOP DETECTOR
478+65.95		CLEVELAND AVE.	32' RT.	1	EXIST. PULL BOX
479+42.51		CLEVELAND AVE.	32' RT.	1	EXIST. PULL BOX
478+30.95		CLEVELAND AVE.	2' RT.	1	EXIST. LOOP DETECTOR
478+54.89		CLEVELAND AVE.	13' RT.	1	EXIST. LOOP DETECTOR
479+00.00		CLEVELAND AVE.	63' LT.	1	EXIST. LOOP DETECTOR
479+10.00		CLEVELAND AVE.	85' LT.	1	EXIST. LOOP DETECTOR
479+10.00		CLEVELAND AVE.	66' RT.	1	EXIST. LOOP DETECTOR
479+21.00		CLEVELAND AVE.	61' RT.	1	EXIST. LOOP DETECTOR
492+18.00		CLEVELAND AVE.	51' RT.	1	EXIST. PULL BOX
491+67.00		CLEVELAND AVE.	C.L.	1	EXIST. LOOP DETECTOR
491+81.00		CLEVELAND AVE.	11' RT.	1	EXIST. LOOP DETECTOR
492+42.00		CLEVELAND AVE.	67' LT.	1	EXIST. LOOP DETECTOR
492+65.00		CLEVELAND AVE.	2' RT.	1	EXIST. LOOP DETECTOR
493+15.00		CLEVELAND AVE.	12' LT.	1	EXIST. LOOP DETECTOR
493+32.00		CLEVELAND AVE.	C.L.	1	EXIST. LOOP DETECTOR
			LUMP SUM	1	

8 IN. CONCRETE MEDIAN STRIP

STA.	STA.	RTE.	LOCATION	AREA (SY)	REMARKS
372+00.45	372+31.02	ROUTE 60	RT.	37.25	
372+33.21	372+57.62	ROUTE 60	RT.	28.24	
372+35.44	372+56.88	ROUTE 60	RT.	39.58	
374+40.34	375+53.75	ROUTE 60	RT.	18.30	
374+37.93	375+56.72	ROUTE 60	RT.	66.5	
			TOTAL	189.87	
			USE	189.9	

PAVED DITCH

STA.	STA.	RTE.	LOCATION	AREA (SY)	REMARKS
17+76.16	17+98.39	CLEVELAND AVE.	LT.	14.44	
373+65.47	373+87.71	ROUTE 60	RT.	12.20	
376+30.40	376+48.62	ROUTE 60	RT.	11.80	
381+72.44	382+10.30	ROUTE 60	RT.	38.89	
			TOTAL	77.33	
			USE	77.3	

HANDRAIL

STA.	STA.	RTE.	LOCATION	(LF)	REMARKS
373+53.60	373+78.60	ROUTE 60	44' RT.	25	
374+39.55	375+54.93	ROUTE 60	43' RT.	115	
383+28.13	383+44.87	ROUTE 60	73'RT.	17	
382+78.90	383+44.73	ROUTE 60	78' RT.	17	
			TOTAL	174.0	
			USE	174	

SUMMARY SHEET
SHEET 2 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024
ROUTE 60,37,B60 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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CONCRETE SIDEWALKS (TABLE 1 OF 3)

STATION	STATION	ROUTE	LOCATION	TRUNCATED DOMES (SF)	CURB RAMP LENGTH	CURB RAMP WIDTH	CURB RAMP TYPE	CURB RAMP (SY)	S.W. WIDTH (LF)	4" SIDEWALK (SY)	4" TYPE 1 AGGR. (SY)	ADA LINEAR GRADING (LF)	SOD (SY)	TYPE S CURB 6" OR LESS (1" - 6") (LF)	TYPE S CURB OVER 6" 6" - 12") (LF)	TYPE S CURB MODIFIED (12" - 30") (LF)	REMARKS
372+27.20	372+57.28	ROUTE 60	RT.	36.0													3 - 6' IN ISLAND
373+11.85	373+15.15	ROUTE 60	RT.							3.00	3.0	5.0	1.0				
373+15.15	373+23.18	ROUTE 60	RT.	10.7	10.4	5.0	1-D	7.03		9.58	16.6	12.0	2.2				
373+33.12	373+93.95	ROUTE 60	RT.												61.4		
373+23.18	373+93.95	ROUTE 60	RT.							37.60	37.6	106.2	28.9				
374+39.51	374+49.96	ROUTE 60	RT.							5.89	5.9	10.5	4.6				
375+45.14	375+56.90	ROUTE 60	RT.							5.32	5.3	11.8	4.9				
375+99.28	376+30.40	ROUTE 60	RT.							17.30	17.3	23.0	8.0				
376+38.89	376+51.10	ROUTE 60	RT.							6.90	6.9	14.0	12.0				
376+96.97	377+12.71	ROUTE 60	RT.							13.50	13.5	25.2	12.0				
380+31.86	380+36.82	ROUTE 60	RT.							2.70	2.7	15.3	4.4				
380+36.82	380+49.12	ROUTE 60	RT.	10.0				9.50		2.74	12.2	12.3	6.7				
380+80.05	385+44.65	ROUTE 60	RT.	10.0				8.50		251.00	259.5	465.0	206.6			160.0	
385+44.65	385+49.95	ROUTE 60	RT.	10.0				5.55			5.6	10.0	4.4				
385+80.84	385+85.91	ROUTE 60	RT.												28.2		
385+78.14	385+85.91	ROUTE 60	RT.	10.0				11.15		5.56	16.7	30.1	6.7				
10+45.94	10+25.25	ROUTE 37	RT.	10.0				11.62		5.28	16.9	26.9	10.0				
10+43.26	10+34.08	ROUTE 37	RT.					6.33		5.23	11.6	19.5	8.6				
7+79.61	7+66.63	ROUTE 37	RT.							6.80	6.8	13.0	3.2				
7+66.63	7+52.27	ROUTE 37	RT.	22.9				25.40			25.4	14.4	3.6				
7+52.27	7+51.02	ROUTE 37	RT.							5.30	5.3	1.3	0.3				
6+84.43	6+94.20	ROUTE 37	RT.							4.70	4.7	15.0	3.8				
6+83.98	6+74.48	ROUTE 37	RT.	14.1				21.40			21.4	14.3	3.6				
6+74.48	6+64.48	ROUTE 37	RT.							2.80	2.8	15.0	3.8				
7+80.46	7+70.45	ROUTE 37	LT.							6.30	6.3	15.0	3.8				
7+70.45	7+51.32	ROUTE 37	LT.	19.8				21.60			21.6	28.7	7.2				
7+51.32	7+51.85	ROUTE 37	LT.							5.20	5.2	0.8	0.2				
44+82.09	45+10.29	CENTRAL AVE.	LT.	20.5				17.90			17.9	42.3	10.6				
44+84.90	45+25.67	CENTRAL AVE.	RT.	23.0				36.00		24.50	60.5	61.2	15.3				
45+77.95	46+16.23	CENTRAL AVE.	LT.	29.5				33.50		11.00	44.5	57.4	14.4				
45+84.89	46+27.36	CENTRAL AVE.	RT.	17.5				16.40		20.50	36.9	63.7	15.9		28.0		
478+54.89	478+66.48	CLEVELAND AVE.	RT.							7.20	7.2	17.4	4.3				
478+66.48	478+85.09	CLEVELAND AVE.	RT.	30.4				15.50			15.5	27.9	7.0				
0+44.24	0+53.18	ROUTE H	RT.							5.10	5.1	13.4	3.4				
529+41.18	529+44.57	ROUTE H	RT.											3.4			
478+57.17	529+44.57	ROUTE H	LT												30.1		CLEVELAND TO RTE H
529+31.18	529+41.15	ROUTE H	RT.							5.30	5.3	15.0	3.7				
529+41.15	529+66.96	ROUTE H	RT.	10.0				20.50			20.5	38.7	9.7				2-RAMPS
478+57.17	478+62.17	ROUTE H	RT.							2.80	2.8	7.5	1.9				
			SUBTOTAL	**284.4**				**267.88**		**479.08**	**747.0**	**1248.6**	**436.4**	**3.4**	**147.6**	**160.0**	

SUMMARY SHEET
SHEET 3 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024
ROUTE 60,37,B60 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
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)

2215 Fairdown Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond™

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

CONCRETE SIDEWALKS (TABLE 2 OF 3)

STATION	STATION	ROUTE	LOCATION	TRUNCATED DOMES (SF)	CURB RAMP LENGTH	CURB RAMP WIDTH	CURB RAMP TYPE	CURB RAMP (SY)	S.W. WIDTH (LF)	4" SIDEWALK (SY)	4" TYPE 1 AGGR. (SY)	ADA LINEAR GRADING (LF)	SOD (SY)	TYPE S CURB 6" OR LESS (1" - 6") (LF)	TYPE S CURB OVER 6" 6" - 12") (LF)	TYPE S CURB MODIFIED (12" - 30") (LF)	REMARKS
0+53.88	0+63.97	9TH STREET	LT.							5.00	5.0	20.0	5.0				
0+34.58	0+29.72	9TH STREET	LT.	12.1				19.00			19.0	7.3	1.8		23.0		
479+47.94	479+51.90	CLEVELAND AVE.	RT.							2.80	2.8	5.9	1.5				
491+88.56	492+02.38	CLEVELAND AVE.	RT.							12.50	12.5	20.7	5.2				
491+97.40	492+18.82	CLEVELAND AVE.	RT.	12.4				22.00			22.0	32.1	8.0				
0+45.40	0+56.31	13TH ST.	RT.							6.70	6.7	16.4	4.1				
0+31.70	0+35.54	13TH ST.	LT.							4.50	4.5	5.8	1.4		5.0		
0+35.54	0+51.96	13TH ST.	LT.	22.5				13.50			13.5	24.6	6.2		12.5		
491+88.56	492+22.55	CLEVELAND AVE.	RT.												38.0		
492+64.68	493+33.11	CLEVELAND AVE.	LT.												76.0		
492+95.79	493+33.01	CLEVELAND AVE.	RT.												48.0		
0+31.18	0+47.21	13TH ST.	RT.	16.2				11.50			11.5	24.0	6.0				
492+77.81	492+82.19	CLEVELAND AVE.	LT.	0.0						7.50	7.5	6.6	1.6				
492+79.81	493+00.72	CLEVELAND AVE.	LT.	13.5				18.30			18.3	31.4	7.8				
493+83.04	494+16.13	CLEVELAND AVE.	RT.												33.0		
494+95.83	495+44.48	CLEVELAND AVE.	LT.												49.0		
495+73.99	495+86.33	CLEVELAND AVE.	RT.												17.5		
492+93.72	493+23.56	CLEVELAND AVE.	LT.							26.00							
493+23.56	493+33.11	CLEVELAND AVE.	LT.					7.80		28.80	36.6	14.3	3.6				
492+91.50	493+06.21	CLEVELAND AVE.	RT.	11.1				8.50			8.5	22.5	5.6		14.0		
493+06.21	493+08.55	CLEVELAND AVE.	RT.							13.00	13.0	3.0	0.8		5.0		
493+08.55	493+33.01	CLEVELAND AVE.	RT.					15.50			15.5	36.0	9.0		27.0		
493+83.04	493+97.03	CLEVELAND AVE.	RT.					9.50			9.5	21.0	5.3				
493+97.03	494+02.03	CLEVELAND AVE.	RT.							10.92	10.9	7.5	1.9				
494+02.03	494+16.13	CLEVELAND AVE.	RT.					9.50			9.5	21.0	5.3				
494+68.37	494+84.13	CLEVELAND AVE.	RT.					10.04			10.0	24.0	6.0				
494+84.13	495+51.29	CLEVELAND AVE.	RT.							46.30	46.3	100.5	25.1				
495+66.90	495+73.99	CLEVELAND AVE.	RT.							6.97	7.0	10.5	2.6				
495+73.99	495+86.33	CLEVELAND AVE.	RT.	15.5				9.08			9.1	18.0	4.5		17.0		
493+95.14	494+11.41	CLEVELAND AVE.	LT.					10.90			10.9	24.0	6.0				
493+95.14	494+33.78	CLEVELAND AVE.	LT.												40.5		
494+11.41	494+16.41	CLEVELAND AVE.	LT.							3.00	3.0	7.5	1.9				
494+16.41	494+33.78	CLEVELAND AVE.	LT.					11.80			11.8	25.5	6.4				
494+95.83	495+13.03	CLEVELAND AVE.	LT.					10.50			10.5	25.5	6.4		18.0		
495+13.02	495+18.03	CLEVELAND AVE.	LT.							3.00	3.0	7.5	1.9				
495+18.02	495+45.95	CLEVELAND AVE.	LT.					12.90			12.9	42.0	10.5		28.0		
496+41.66	496+64.51	CLEVELAND AVE.	RT.					19.20			19.2	34.5	8.6				
496+41.66	496+64.51	CLEVELAND AVE.	RT.												24.0		
496+64.51	497+34.77	CLEVELAND AVE.	RT.							49.80	49.8	105.0	26.3				
497+34.77	497+53.03	CLEVELAND AVE.	RT.					9.40			9.4	27.0	6.8		19.0		
498+26.67	498+66.11	CLEVELAND AVE.	RT.												40.5		
498+26.67	498+54.45	CLEVELAND AVE.	RT.					16.20			16.2	42.0	10.5				
496+35.81	496+58.67	CLEVELAND AVE.	LT.					9.00			9.0	34.5	8.6		22.5		
496+56.16	497+18.05	CLEVELAND AVE.	LT.							43.10	43.1	93.0	23.3				
497+18.05	497+28.73	CLEVELAND AVE.	LT.					5.60			5.6	16.5	4.1		11.0		
497+51.48	497+77.16	CLEVELAND AVE.	LT.					15.60			15.6	39.0	9.8				
			SUBTOTAL	**103.3**				**275.32**		**269.89**	**519.2**	**996.7**	**249.2**	**0.0**	**568.5**	**0.0**	

SUMMARY SHEET
SHEET 4 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024
ROUTE 60,37,B60 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
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CONCRETE SIDEWALKS (TABLE 3 OF 3)

STATION	STATION	ROUTE	LOCATION	TRUNCATED DOMES (SF)	CURB RAMP LENGTH	CURB RAMP WIDTH	CURB RAMP TYPE	CURB RAMP (SY)	S.W. WIDTH (LF)	4" SIDEWALK (SY)	4" TYPE 1 AGGR. (SY)	ADA LINEAR GRADING (LF)	SOD (SY)	TYPE S CURB 6" OR LESS (1" - 6") (LF)	TYPE S CURB OVER 6" 6" - 12") (LF)	TYPE S CURB MODIFIED (12" - 30") (LF)	REMARKS
497+77.16	498+07.28	CLEVELAND AVE.	LT.							20.3	20.3	45.0	11.3				
497+51.48	479+77.16	CLEVELAND AVE.	LT.												31.0		
498+99.76	499+94.61	CLEVELAND AVE.	LT.							62.8	62.8	142.5	35.6				
498+54.45	500+00.96	CLEVELAND AVE.	RT.							97.0	97.0	220.5	55.1				
500+00.96	500+18.96	CLEVELAND AVE.	RT.					9.2			9.2	27.0	6.8	19.0			
498+99.76	499+93.62	CLEVELAND AVE.	LT.							64.5	64.5	141.0	35.3				
500+92.99	501+11.16	CLEVELAND AVE.	RT.					9.3			9.3	27.0	6.8	19.0			
501+11.16	501+65.55	CLEVELAND AVE.	RT.							36.0	36.0	81.0	20.3				
501+45.00	501+64.45	CLEVELAND AVE.	LT.					13.0			13.0	28.5	7.1				
501+64.45	502+28.57	CLEVELAND AVE.	LT.							43.6	43.6	96.0	14.2				
502+28.57	502+45.78	CLEVELAND AVE.	LT.					9.1			9.1	25.5	5.4				
501+65.55	502+65.26	CLEVELAND AVE.	RT.							63.4	63.4	150.0	21.1				
502+65.26	502+82.76	CLEVELAND AVE.	RT.	17.3				11.5			11.5	27.0	8.0				
502+72.92	502+93.55	CLEVELAND AVE.	LT.					11.3			11.3	31.5	6.7				
503+22.80	503+32.74	CLEVELAND AVE.	LT.							6.8	6.8	15.0	2.4				
503+32.74	503+53.72	CLEVELAND AVE.	LT.	19.6				13.8			13.8	31.5	6.5				
506+57.76	503+66.87	CLEVELAND AVE.	RT.	16.6				3.3			3.3	15.0	4.0				
503+66.87	503+94.94	CLEVELAND AVE.	RT.							18.8	18.8	42.0	12.4				
503+94.94	504+05.82	CLEVELAND AVE.	RT.					5.7			5.7	16.5	4.0				
503+93.88	504+12.85	CLEVELAND AVE.	LT.	19.7				12.4			12.4	30.0	5.2				
504+12.09	504+39.45	CLEVELAND AVE.	LT.							18.0	18.0	40.5	6.1				
504+12.09	504+98.29	CLEVELAND AVE.	LT.							39.2	39.2	88.5	13.1				
505+29.58	505+65.95	CLEVELAND AVE.	LT.							30.3	30.3	54.0	20.7				
505+65.95	505+80.13	CLEVELAND AVE.	LT.	15.6				14.8			14.8	21.0	4.1				
504+59.53	504+86.97	CLEVELAND AVE.	RT.					14.9			14.9	40.5	11.7				
504+86.97	504+99.07	CLEVELAND AVE.	RT.							8.0	8.0	18.0	2.7				
506+33.00	506+45.00	CLEVELAND AVE.	RT.							8.9	8.9	18.0	2.7				
506+35.39	506+39.09	CLEVELAND AVE.	LT.							20.6	20.6	6.0	6.9				
506+33.42	506+48.43	CLEVELAND AVE.	LT.	15.1				12.9			12.9	19.2	4.3				
507+34.87	507+51.78	CLEVELAND AVE.	RT.							12.8	12.8	20.0	4.4				
507+71.19	507+80.16	CLEVELAND AVE.	RT.							12.8	12.8	20.0	4.4				
			SUBTOTAL	**103.9**				**141.20**		**563.80**	**705.0**	**1538.2**	**349.1**	**38.0**	**31.0**	**0.0**	
			SUBTOTAL	**284.4**				**267.88**		**479.08**	**747.0**	**1248.6**	**436.4**	**3.4**	**147.6**	**160.0**	
			SUBTOTAL	**103.3**				**275.32**		**269.89**	**519.2**	**1033.0**	**249.2**	**0.0**	**568.5**	**0.0**	
			TOTAL	**492**				**684.4**		**1312.8**	**1971**	**3820**	**1035**	**41**	**747**	**160**	

SUMMARY SHEET
SHEET 5 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024
ROUTE 60,37,B60 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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CONCRETE CURB & GUTTER

STA	STA	LOC.	LT RT	TYPE A GUTTER (L.F.)	TYPE A CURB & GUTTER (L.F.)	TYPE B CURB & GUTTER (L.F.)	TYPE B MOD. C&G (L.F.)	4" THICK TYPE 1 AGGR. SQ. YD.	REMARKS
373+11.85	373+33.11	ROUTE 60	RT.			28.1		9.4	
374+34.92	375+59.76	ROUTE 60	RT.			145.7		48.6	
374+39.65	375+55.08	ROUTE 60	RT.		114.00			38.0	
374+50.84	374+57.84	ROUTE 60	RT.	5.70				2.1	
374+92.84	374+99.84	ROUTE 60	RT.	6.20				2.3	
375+37.84	375+44.84	ROUTE 60	RT.	6.70				2.5	
374+34.92	375+59.76	Route 60	RT.			273.0		91.0	
380+49.52	380+49.82	ROUTE 60	RT.				8.1	0.0	
380+79.55	380+79.55	ROUTE 60	RT.				8.1	2.3	
385+50.16	385+50.75	ROUTE 60	RT.				8.0	2.2	
385+79.26	385+80.33	ROUTE 60	RT.				11.9	3.3	
6+78.30	6+98.57	ROUTE 37	RT.			28.5		9.5	
7+56.52	7+37.94	ROUTE 37	RT.			25.8		8.6	
7+39.07	7+60.82	ROUTE 37	LT.			28.4		9.5	
10+44.95	10+39.50	ROUTE 37	RT.			24.7		8.2	
44+80.82	45+14.66	CENTRAL	LT.		42.4			14.1	
44+85.95	45+26.06	CENTRAL	RT.		70.8			23.6	
45+00.00	45+99.01	CENTRAL	LT.		33.2			11.1	
45+80.46	46+28.17	CENTRAL	RT.		61.1			20.4	
478+57.04	478+77.68	CLEVELAND AVE.	RT.		52.6			17.5	
529+41.18	529+70.79	ROUTE H	LT.		48.8			16.3	
479+28.85	479+78.52	CLEVELAND AVE.	RT.		66.8			22.3	
492+02.77	492+23.46	ROUTE H	RT.		31.5			10.5	
492+09.18	492+34.55	ROUTE H	LT.		43.9			14.6	
492+63.53	492+97.10	ROUTE H	LT.		47.2			15.7	
492+90.61	493+33.78	ROUTE H	RT.		41.5			13.8	
493+91.70	494+06.80	CLEVELAND AVE.	RT.		15.1			5.0	
494+04.41	494+25.13	CLEVELAND AVE.	LT.		20.7			6.9	
494+76.10	494+84.10	CLEVELAND AVE.	RT.		8.0			2.7	
495+05.02	495+23.70	CLEVELAND AVE.	LT.		42.6			14.2	
495+71.31	495+87.16	CLEVELAND AVE.	RT.		25.6			8.5	
496+40.90	496+64.68	CLEVELAND AVE.	RT.		35.6			11.9	
496+35.40	496+56.29	CLEVELAND AVE.	LT.		22.3			7.4	
497+62.13	497+82.13	CLEVELAND AVE.	LT.		20.0			6.7	
498+54.45	498+66.12	CLEVELAND AVE.	RT.		21.7			7.2	
502+60.86	502+88.80	CLEVELAND AVE.	RT.		31.2			10.4	
503+27.82	503+57.25	CLEVELAND AVE.	LT.		35.3			11.8	
503+50.94	504+13.09	CLEVELAND AVE.	RT.		73.0			24.3	
503+92.60	504+16.85	CLEVELAND AVE.	LT.		28.3			9.4	
504+79.04	504+99.05	CLEVELAND AVE.	LT.		20.0			6.7	
505+70.95	505+81.66	CLEVELAND AVE.	LT.		20.4			6.8	
505+86.96	505+88.24	CLEVELAND AVE.	LT.		19.2			6.4	
506+28.89	506+40.86	CLEVELAND AVE.	LT.		51.1			17.0	
507+36.70	507+55.10	CLEVELAND AVE.	RT.		20.1			6.7	
507+76.39	507+86.21	CLEVELAND AVE.	RT.		20.1			6.7	
TOTALS =				**19**	**1184**	**554**	**36**	**594**	

SUMMARY SHEET
SHEET 6 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024
ROUTE 60,37,B60 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9951
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

PAVEMENT MARKING (TABLE 1 OF 2)

STA.	STA.	ROUTE	LOCATION	PREFORMED WHITE MIDBLOCK (EA.)	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24" WHITE (L.F.)	PAVEMENT SYMBOL REMOVAL (EA.)	PAVEMENT MARKING REMOVAL (FT.)	REMARKS
372+09.25		US 60 (EISENHOWER ST.)	WEST SIDE		12			STOP BAR
372+21.55	372+31.53	US 60 (EISENHOWER ST.)	WEST SIDE				10	4" WHITE AHD. OF STOP BAR
372+31.00		US 60 (EISENHOWER ST.)	WEST SIDE			1		STOP BAR
372+21.55		US 60 (EISENHOWER ST.)	WEST SIDE		12			STOP BAR
372+27.64	372+30.19	US 60 (EISENHOWER ST.)	WEST SIDE	12				MIDBLOCK
372+32.02	372+99.26	US 60 (EISENHOWER ST.)	NORTH SIDE	12				MIDBLOCK
373+16.27	373+41.50	US 60 (EISENHOWER ST.)	NORTH SIDE	5				MIDBLOCK
372+71.32		US 60 (EISENHOWER ST.)	NORTH SIDE		12			STOP BAR
372+83.46		US 60 (EISENHOWER ST.)	NORTH SIDE		12			STOP BAR
372+18.06	372+32.14	US 60 (EISENHOWER ST.)	SOUTH SIDE	5				MIDBLOCK
372+57.08	373+14.31	US 60 (EISENHOWER ST.)	SOUTH SIDE	12				MIDBLOCK
372+76.93		US 60 (EISENHOWER ST.)	SOUTH SIDE		12			STOP BAR
372+94.00		US 60 (EISENHOWER ST.)	SOUTH SIDE			1		STOP BAR
372+90.31		US 60 (EISENHOWER ST.)	SOUTH SIDE		12			STOP BAR
373+12.80	373+18.96	US 60 (EISENHOWER ST.)	EAST SIDE	12				MIDBLOCK
373+24.14		US 60 (EISENHOWER ST.)	EAST SIDE		12			STOP BAR
373+47.72		US 60 (EISENHOWER ST.)	EAST SIDE		12			STOP BAR
380+51.80	380+77.57	US 60 (NORTHGATE AVE.)	68' RT.	5				MIDBLOCK
385+51.48	385+79.37	US 60 (MILLER WAY)	90' RT.	5				MIDBLOCK
7+49.39	7+50.42	ROUTE 37 (BROADWAY ST.)/EUCLID AVE.	WEST SIDE	10				MIDBLOCK
6+97.65	7+39.65	ROUTE 37 (BROADWAY ST.)/EUCLID AVE.	NORTH SIDE	9				MIDBLOCK
44+89.78		CLEVELAND AVE. (CENTRAL AVE.)	SOUTH SIDE		12			STOP BAR
44+95.13		CLEVELAND AVE. (CENTRAL AVE.)	SOUTH SIDE		12			STOP BAR
45+02.19	45+05.21	CLEVELAND AVE. (CENTRAL AVE.)	SOUTH SIDE	9				MIDBLOCK
45+02.50		CLEVELAND AVE. (CENTRAL AVE.)	SOUTH SIDE			1		STOP BAR
44+95.13	45+02.50	CLEVELAND AVE. (CENTRAL AVE.)	SOUTH SIDE				7	4" WHITE AHD. OF NEW STOP BAR
45+28.79		CLEVELAND AVE. (CENTRAL AVE.)	WEST SIDE		18	1		STOP BAR
45+43.57		CLEVELAND AVE. (CENTRAL AVE.)	WEST SIDE		12			STOP BAR
45+10.79	45+77.30	CLEVELAND AVE. (CENTRAL AVE.)	WEST SIDE	11				MIDBLOCK
45+19.82	45+84.69	CLEVELAND AVE. (CENTRAL AVE.)	EAST SIDE	11				MIDBLOCK
45+50.92		CLEVELAND AVE. (CENTRAL AVE.)	EAST SIDE		12			STOP BAR
45+68.71		CLEVELAND AVE. (CENTRAL AVE.)	EAST SIDE		23			STOP BAR
45+88.21	45+89.09	CLEVELAND AVE. (CENTRAL AVE.)	NORTH SIDE	11				MIDBLOCK
45+93.76		CLEVELAND AVE. (CENTRAL AVE.)	NORTH SIDE			1		STOP BAR
45+93.76	45+96.41	CLEVELAND AVE. (CENTRAL AVE.)	NORTH SIDE				3	4" WHITE AHD. OF NEW STOP BAR
45+96.41		CLEVELAND AVE. (CENTRAL AVE.)	NORTH SIDE		12			STOP BAR
46+08.26		CLEVELAND AVE. (CENTRAL AVE.)	NORTH SIDE		12			STOP BAR
			SUBTOTAL	**129**	**209**	**5**	**20**	

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PAVEMENT MARKING (TABLE 2 OF 2)

STA.	STA.	ROUTE	LOCATION	PREFORMED WHITE MIDBLOCK (EA.)	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24" WHITE (L.F.)	PAVEMENT SYMBOL REMOVAL (EA.)	PAVEMENT MARKING REMOVAL (FT.)	REMARKS
478+49.93		CLEVELAND AVE. (9TH ST.)	WEST SIDE		12			STOP BAR
478+67.77		CLEVELAND AVE. (9TH ST.)	WEST SIDE		18			STOP BAR
478+77.41	478+79.46	CLEVELAND AVE. (9TH ST.)	WEST SIDE	11				MIDBLOCK
478+72.70	478+76.41	CLEVELAND AVE. (9TH ST.)	WEST SIDE				106	6" CROSSWALK
478+85.57	479+28.97	CLEVELAND AVE. (9TH ST.)	SOUTH SIDE	9				MIDBLOCK
479+09.75		CLEVELAND AVE. (9TH ST.)	SOUTH SIDE		12			STOP BAR
479+21.43		CLEVELAND AVE. (9TH ST.)	SOUTH SIDE		12			STOP BAR
479+20.00		CLEVELAND AVE. (9TH ST.)	SOUTH SIDE			1		STOP BAR
479+05.00		CLEVELAND AVE. (9TH ST.)	SOUTH SIDE				96	6" CROSSWALK
479+00.03		CLEVELAND AVE. (9TH ST.)	NORTH SIDE		12			STOP BAR
479+11.16		CLEVELAND AVE. (9TH ST.)	NORTH SIDE		12			STOP BAR
479+43.96		CLEVELAND AVE. (9TH ST.)	EAST SIDE		12			STOP BAR
479+74.16		CLEVELAND AVE. (9TH ST.)	EAST SIDE		12			STOP BAR
491+83.42		CLEVELAND AVE. (13TH ST.)	WEST SIDE		12			STOP BAR
491+97.73		CLEVELAND AVE. (13TH ST.)	WEST SIDE		12			STOP BAR
492+12.13	492+12.92	CLEVELAND AVE. (13TH ST.)	WEST SIDE	9			96	6" CROSSWALK
492+41.64		CLEVELAND AVE. (13TH ST.)	NORTH SIDE		12			STOP BAR
492+35.38	492+63.01	CLEVELAND AVE. (13TH ST.)	NORTH SIDE	5		6		MIDBLOCK
492+14.93	492+88.92	CLEVELAND AVE. (13TH ST.)	SOUTH SIDE	13		4		MIDBLOCK
492+64.90		CLEVELAND AVE. (13TH ST.)	SOUTH SIDE		12			STOP BAR
492+98.40	492+91.86	CLEVELAND AVE. (13TH ST.)	EAST SIDE	9				MIDBLOCK
492+98.40		CLEVELAND AVE. (13TH ST.)	EAST SIDE		12			STOP BAR
492+91.86		CLEVELAND AVE. (13TH ST.)	EAST SIDE		12			STOP BAR
495+87.13	496+39.32	CLEVELAND AVE. (14TH ST.)	SOUTH SIDE	9		8	12	MIDBLOCK
502+86.24	503+54.74	CLEVELAND AVE (16TH ST.)	SOUTH SIDE	13		12		MIDBLOCK
503+33.33		CLEVELAND AVE (16TH ST.)	SOUTH SIDE		20		12	STOP BAR
503+57.85	503+90.35	CLEVELAND AVE (16TH ST.)	NORTH SIDE	7		8		MIDBLOCK
503+67.42		CLEVELAND AVE (16TH ST.)	NORTH SIDE		13		10	STOP BAR
505+82.14	506+34.64	CLEVELAND AVE (17TH ST.)	NORTH SIDE	11		7		MIDBLOCK
506+00.07		CLEVELAND AVE (17TH ST.)	NORTH SIDE		29		12	STOP BAR
			SUBTOTAL	96	236	46	344	
			SUBTOTAL	129	209	5	20	
			TOTAL	**225**	**445**	**51**	**364**	

CULVERTS

STA.	ROUTE	LOCATION	GROUP C PIPE 18" (LF)	GROUP C F.E.S. 18" (EA)	CLASS 3 EXC. (CY)	REMARKS
377+02.53	ROUTE 60	40.95' RT.	10.00	1	1	C.L. NEW SIDEWALK
381+88.42	ROUTE 60	70.26' RT.	22.00	2	1	C.L. NEW SIDEWALK
381+92.65	ROUTE 60	70.38' RT.	22.00	2	1	C.L. NEW SIDEWALK
		TOTALS	**54**	**5**	**3**	

SLIP RESISTANT STEEL PLATE

STA.	ROUTE	LOCATION	5' X 8' 0.5" THICK STEEL PLATE (EA)
373+83.58	ROUTE 60	47.53' RT.	1
376+34.81	ROUTE 60	46.18' RT.	1
		TOTALS	**2**

SUMMARY SHEET
SHEET 8 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024
ROUTE 60,37,B60 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9951
COA# 00062
weareown.com
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TEMPORARY EROSION CONTROL

STA.	STA.	RTE.	LOCATION	ALTERNATE DITCH CHECK (L.F.)	CURB INLET CHECK EA	SILT FENCE (L.F.)	SEDIMENT REMOVAL (C.Y.)	REMARKS
372+32.00		ROUTE 60	88' RT.		1		1	
373+09.00		ROUTE 60	57' RT.		1		1	
376+35.00		ROUTE 60	44' RT.		1		1	
381+73.00		ROUTE 60	66' LT.	18			1	
381+95.00		ROUTE 60	66' LT.	18			1	
491+88.00	492+09.00	CLEVELAND AVE.	36' -55' RT.			30	0.3	
492+00.00	492+23.00	CLEVELAND AVE.	56' - 82' RT.			38	0.4	
492+06.00		CLEVELAND AVE.	20' LT.		1		1	
492+27.00		CLEVELAND AVE.	78' RT.		1		1	
492+99.00		CLEVELAND AVE.	20' LT.		1		1	
495+57.00		CLEVELAND AVE.	37' LT.		1		1	
495+89.00		CLEVELAND AVE.	59' RT.		1		1	
496+39.00		CLEVELAND AVE.	59' RT.		1		1	
497+09.00		CLEVELAND AVE.	20' LT.		1		1	
497+09.00		CLEVELAND AVE.	21' RT.		1		1	
499+92.00		CLEVELAND AVE.	21' LT.		1		1	
499+92.00		CLEVELAND AVE.	21' RT.		1		1	
503+82.00		CLEVELAND AVE.	20' RT.		1		1	
504+18.00		CLEVELAND AVE.	21' LT.				1	
504+50.00	505+20.00	CLEVELAND AVE.	RT.			70	0.7	
506+30.00	507+50.00	CLEVELAND AVE.	RT.			125	1.3	
			TOTAL	**36.0**	**14.0**	**263.0**	**19.7**	
			USE	**36**	**14**	**263**	**20**	

ADJUST WATER VALVE

STA.	ROUTE	LOCATION	ADJUSTING WATER VALVE (EA)
385+82.88	ROUTE 60/MILLER WAY	114.68' RT.	1
		TOTALS	**1**

ADJUST MANHOLE

STA.	ROUTE	LOCATION	ADJUSTING MANHOLE (EA)
492+07.28	ROUTE H/ BUS. 60	40.50' RT.	1
		TOTALS	**1**

FLASHER RELOCATION & PULL BOX REPLACEMENTS

STA.	ROUTE	LOCATION	FLASHER RELOCATION & PULL BOX REPLACEMENT (LUMP SUM)
501+55.30	CLEVELAND (BUS. 60)	29.01' RT.	1 - FLASHER
501+57.91	CLEVELAND (BUS. 60)	28.79' RT.	1 - PULL BOX
		TOTALS	**1**

PAVED APPROACH, 8 IN.

STA.	ROUTE	LOCATION	WIDTH (FT.)	RADIUS (FT.)	GRADE (%)	8" PAVED APPROACH (SY)	REMARKS
374+17.18	ROUTE 60	RT.	45.0	19.3'RT.	-7.5%	77.4	KMK ENTERPRISES
375+77.52	ROUTE 60	RT.	45.0	8.7'RT.&17.2'LT.	-9.1%	74.1	KMK ENTERPRISES
376+73.29	ROUTE 60	RT.	46.0	10' LT. & 10' RT.	-2.3%	106.5	ASI PROPERTIES, LLC
491+71.77	CLEVELAND AVE.	LT.	46.0	9.3' LT. & RT.	10.0%	94.0	MONETT R-1 SCHOOL DISTRICT
493+55.91	CLEVELAND AVE.	RT.	50.0	10' LT. & 5'RT.	-3.6%	90.6	ARMANDO RUEDA & OMAR RUEDA
493+64.12	CLEVELAND AVE.	LT.	62.0	10' LT. & RT.	-4.9%	124.2	UNBREAKABLE, LLC.
494+39.01	CLEVELAND AVE.	RT.	50.0	8' LT. & 10'RT.	-7.6%	118.8	JAMI & ELLIS LAWRIMORE
494+64.84	CLEVELAND AVE.	LT.	61.0	10' LT. & RT.	-7.8%	124.6	UNBREAKABLE, LLC.
497+39.75	CLEVELAND AVE.	LT.	18.0	12.5' LT. & RT.	9.2%	68.5	ELISA JIMENEZ
497+89.59	CLEVELAND AVE.	RT.	56.0	30.75'RT.&30'LT.	6.0%	170.3	WELLBAUM PROPERTIES, LLC
500+55.77	CLEVELAND AVE.	RT.	55.0	30.75' LT. & RT.	5.0%	149.6	MCCLOUD GAINES PROPERTIES, LLC
502+59.03	CLEVELAND AVE.	LT.	22.0	14.6'LT. & 15.4'RT.	6.2%	58.5	S & B GREEN INVESTMENTS. LLC
504+32.53	CLEVELAND AVE.	RT.	33.5	30.75' LT. & 30'RT.	8.7%	135.5	CASEY'S MARKETING COMPANY
					TOTAL	**1392.6**	
					USE	**1392.6**	

SUMMARY SHEET
SHEET 9 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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2215 Fairlawn Dr.
Carthage, MO 64836
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COA# 00062
weareown.com
OWN Engineering beyond.™

EFFECTIVE: 04-01-2023

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00	2	32				SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (ARROW SYMBOL)
WO4-1aR	48X48	16.00						MERGE (ARROW SYMBOL)
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING (WITH FLAGS)
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17	48X48	16.00						SHOULDER DROP-OFF (SYMBOL)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	4	64				ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00						ROAD CLOSED AHEAD
WO20-4	48X48	16.00	2	32				ONE LANE ROAD AHEAD
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	3	48				FLAGGER (SYMBOL, WITH FLAGS)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00						SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00						END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	2	12				WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT ARROW)
MO4-9R	48X36	12.00						DETOUR (RIGHT ARROW)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR (ARROW LEFT)
MO4-10R	48X18	6.00						DETOUR (ARROW RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	9	108				SPEED LIMIT 2-15,3-25,2-35,2-45
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00	6	12				SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-7	48X24	8.00	2	16				RATE OUR WORK ZONE
CONST-7	72X36	18.00						RATE OUR WORK ZONE
CONST-8	48X36	12.00						WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL	324
616-10.10 RELOCATED SIGNS	TOTAL	0

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123000A		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
6161008	2	ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	130	CHANNELIZER (TRIM LINE)
6161030		TYPE III MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6161099	2	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169902	20	ADA COMPLIANT MOVABLE BARRICADE

SUMMARY SHEET
SHEET 10 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
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DATE PREPARED 1/19/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT SW	SHEET NO. 3

COUNTY BARRY/LAWRENCE

JOB NO. J7S3472

CONTRACT ID.

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ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

ALL BEARINGS BASED ON STATE PLANE BEARINGS WESTERN ZONE.

SE¼ SE¼ SEC36-T26N-R28W

SW¼ SW¼ SEC31-T26N-R27W

NE¼ NE¼ SEC1-T25N-R28W

NW¼ NW¼ SEC6-T25N-R27W

RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM
STATION 373+57.89 TO STATION 385+36.05, ROUTE 60.
STATION 530+60.00 TO STATION 532+09.47, ROUTE 37
STATION 529+10.00 TO STATION 529+52.05, ROUTE H
STATION 16+43.20 TO STATION 31+28.00, BUS. ROUTE 60

EXIST. R/W

LAND SURVEY MONUMENT
SOUTHEAST CORNER
SEC. 36, T26N, R28W
BEARS S89°18'23"E, 88.26'
FROM BEGIN PROJECT STA. 372+00.00

BEGIN PROJECT
STA. 372+00.00

SECTION LINE

U.S. 60 (ALIGNMENT - (11))

S88°37'53"E

EISENHOWER ST.

MATCHLINE - STA 373+80.00

DND EX. TELEPHONE POLE

STA 372+37.70
OFF -63.00'

STA 372+06.70
OFF -40.00'

REMOVE & REPLACE
24" STOP BARS

INSTALL A.P.S.
PUSHBUTTON W/SIGN
AND PED SIGNAL HEAD

PREFORMED WHITE
MIDBLOCK

INSTALL NEW PEDESTAL POLE
W/A.P.S. PUSHBUTTON W/SIGN
AND PED SIGNAL HEAD

UIP EX. ADA
COMPLIANT
LANDING

EX. ELECTRIC

INSTALL NEW PEDESTAL POLES (2)
W/A.P.S. PUSHBUTTON W/SIGNS (2)
AND PED SIGNAL HEADS(2)

EX. GAS

(R) EX. PUSHBUTTONS (2)
AND PED SIGNAL HEADS (2)

UIP EX. CUT-THRU
SIDEWALK

UIP EX. CONC. ISLAND

(R) EX. DETECTOR
INSTALL NEW 6'X30'
DETECTOR

STA 372+27.20
OFF 29.35'

STA 372+33.21
OFF 29.35'

STA 372+33.88
OFF 33.25'

STA 372+42.51
OFF 41.32'

STA 372+50.64
OFF 36.35'

STA 372+57.28
OFF 41.85'

STA 372+28.00
OFF 35.97'

STA 372+04.40
OFF 31.35'

STA 372+36.18
OFF 44.98'

STA 372+31.02
OFF 51.24'

STA 372+56.88
OFF 47.85'

STA 372+35.44
OFF 55.30'

STA 372+42.65
OFF 48.32'

STA 372+53.16
OFF 73.16'

2' R

7' R

122' R

* ALL INSIDE RADII OF
ISLAND ARE 0.5' R.

6' CUT-THRU SIDEWALK

UIP EX. INLET

EX. SANITARY
SEWER

PREFORMED WHITE
MIDBLOCK

UIP EX. ADA
COMPLIANT
LANDING

REMOVE & REPLACE
24" STOP BARS

(R) EX. DETECTOR
INSTALL NEW 6'X30'
DETECTOR

EX. TELE.

TYPE B C&G

STA 373+33.11
OFF 37.60'

PAVED DITCH

25 LF HANDRAIL

TYPE S CURB

25'

S88°33'35"E
95.39'

4.5%

2.1%

INTEGRAL
TYPE S
CURB

TYPE S CURB
N44°06'22"E
6.80'

DND

N88°33'35"W
100.00'

STA 373+11.85
OFF 55.13'

STA 373+15.78
OFF 58.22'

STA 373+57.89
OFF 54.39'

STA 373+62.50
OFF 50.00'

TEMP.
CONST.
ESM'T.

INSTALL NEW PEDESTAL POLE
W/A.P.S. PUSHBUTTON W/SIGNS (2)
AND PED SIGNAL HEADS(2)

EXIST. R/W

INSTALL NEW PEDESTAL POLES (2)
W/A.P.S. PUSHBUTTON W/SIGNS (2)
AND PED SIGNAL HEADS(2)

STA 371+89.43
OFF 90.00'

373+07.80
109.20'

LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES

SCALE
0 10 20 30

(1)
MW60 HOLDINGS, LLC
1198.88 SF TEMP. ESM'T.
50,965.2 SF (1.17 AC) REMAINING

* SIDEWALK GRADE LESS THAN 5%

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LOCATION 1
ROUTE 60/EISENHOWER ST.

PLAN SHEET
SHEET 1 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
1/29/2024	
ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	4
COUNTY	
BARRY/LAWRENCE	
JOB NO.	
J7S3472	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

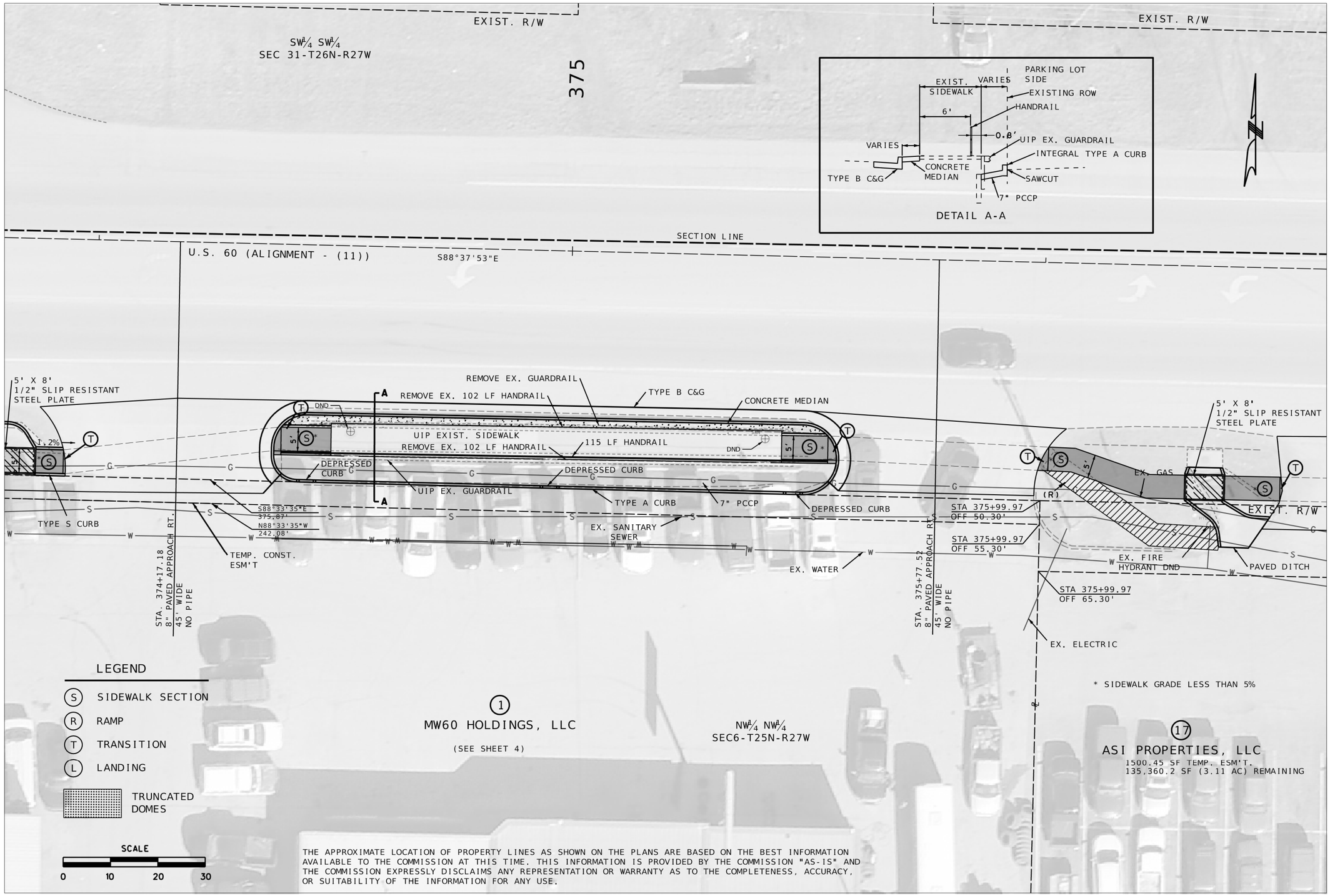
DATE	DESCRIPTION
. .	. .
. .	. .
. .	. .
. .	. .
. .	. .
. .	. .
. .	. .

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

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.™



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LOCATION 1
ROUTE 60/EISENHOWER ST.

PLAN SHEET
SHEET 2 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	5
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

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Carthage, MO 64836
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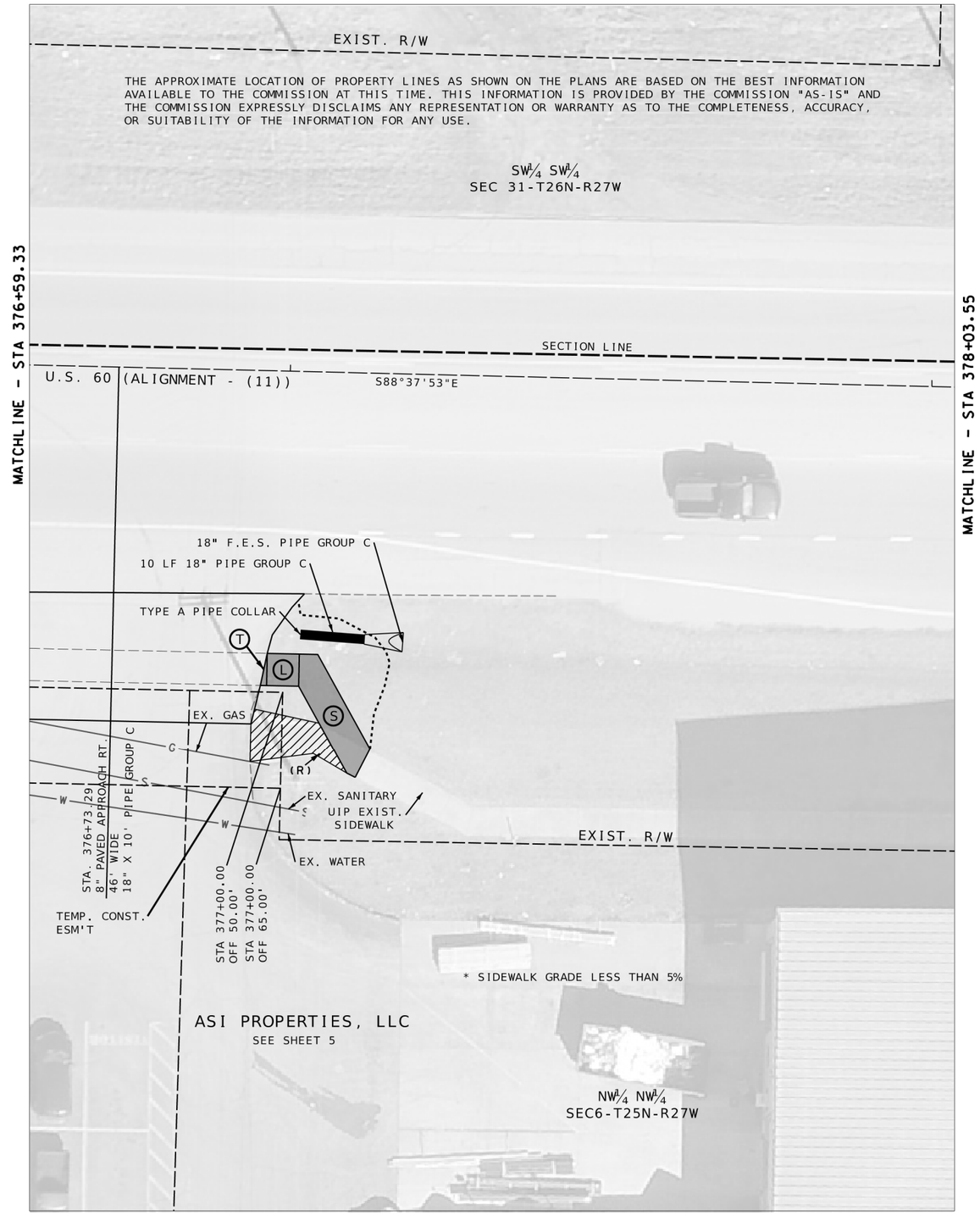

LOCATION 1
ROUTE 60/EISENHOWER ST.

LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES

SCALE
0 10 20 30

PLAN SHEET
SHEET 3 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	5A
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

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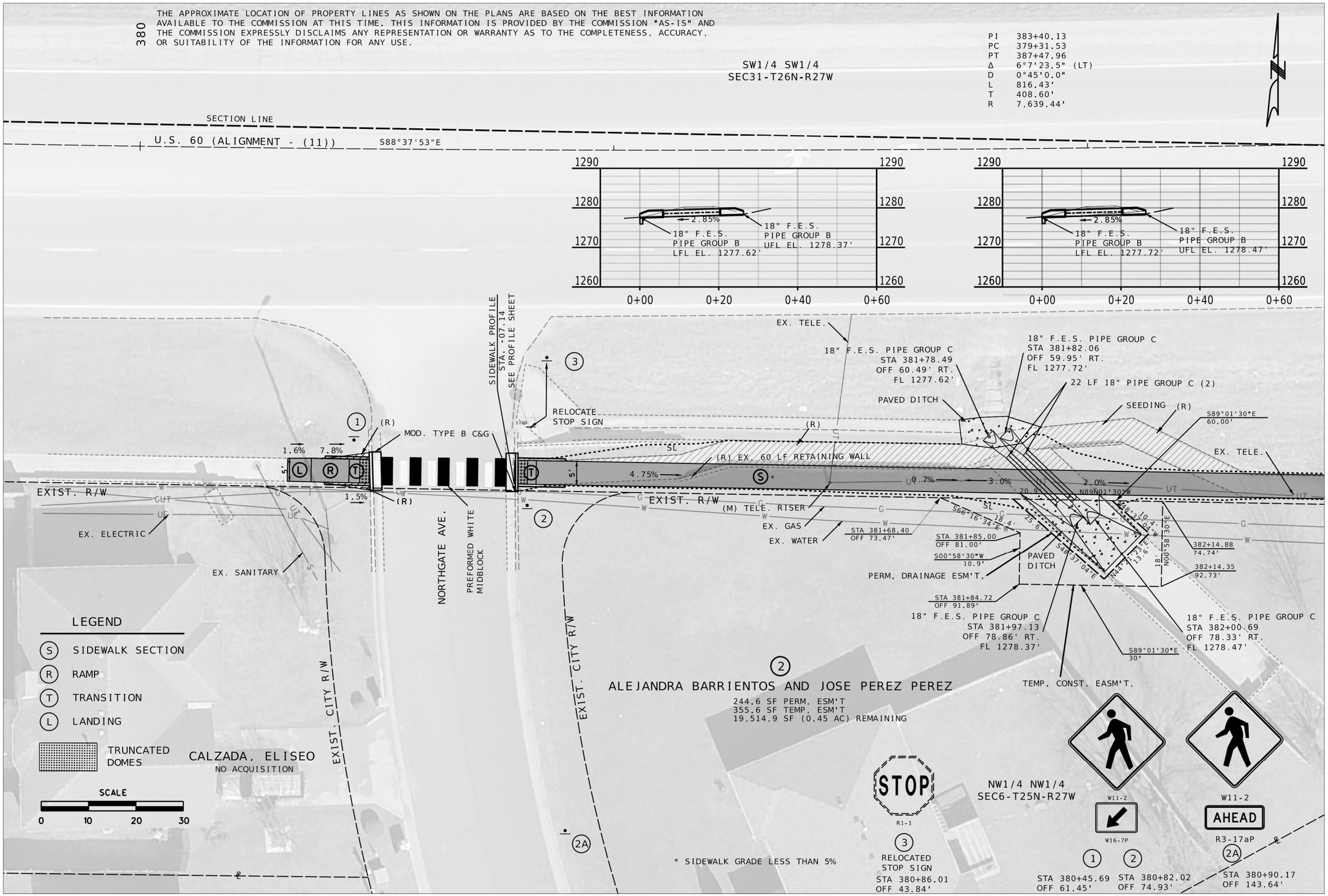
380

SW1/4 SW1/4
SEC31-T26N-R27W

PI	383+40.13
PC	379+31.53
PT	387+47.96
Δ	6°7'23.5" (LT)
D	0°45'0.0"
L	816.43'
T	408.60'
R	7,639.44'



LOCATION 2
ROUTE 60/NORTHGATE AVE.-MILLER WAY

PLAN SHEET
SHEET 4 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	6
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

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

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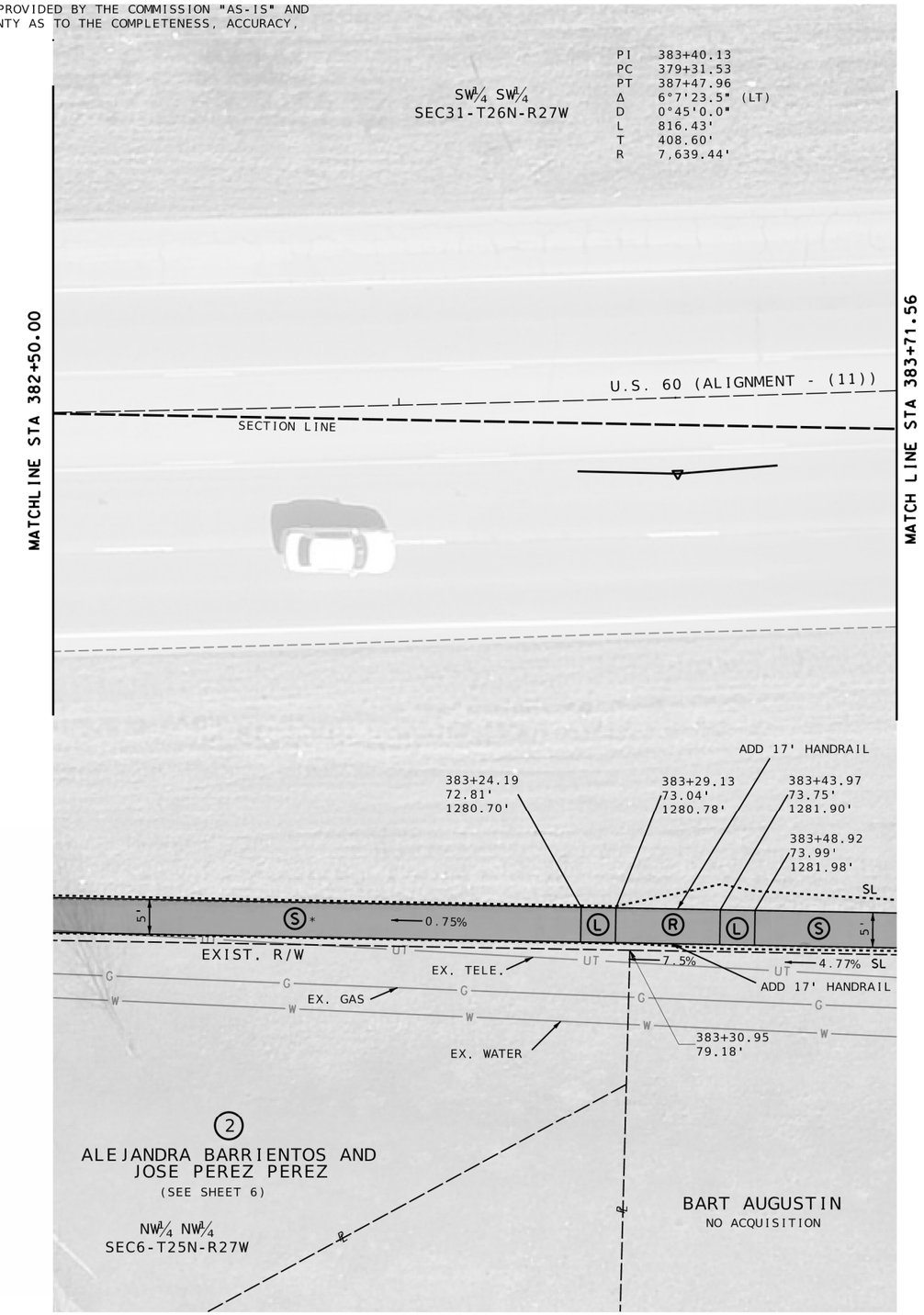

LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES

SCALE

0 10 20 30

LOCATION 2
ROUTE 60/NORTHGATE AVE. - MILLER WAY

PLAN SHEET
SHEET 5 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	7
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

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Carthage, MO 64836
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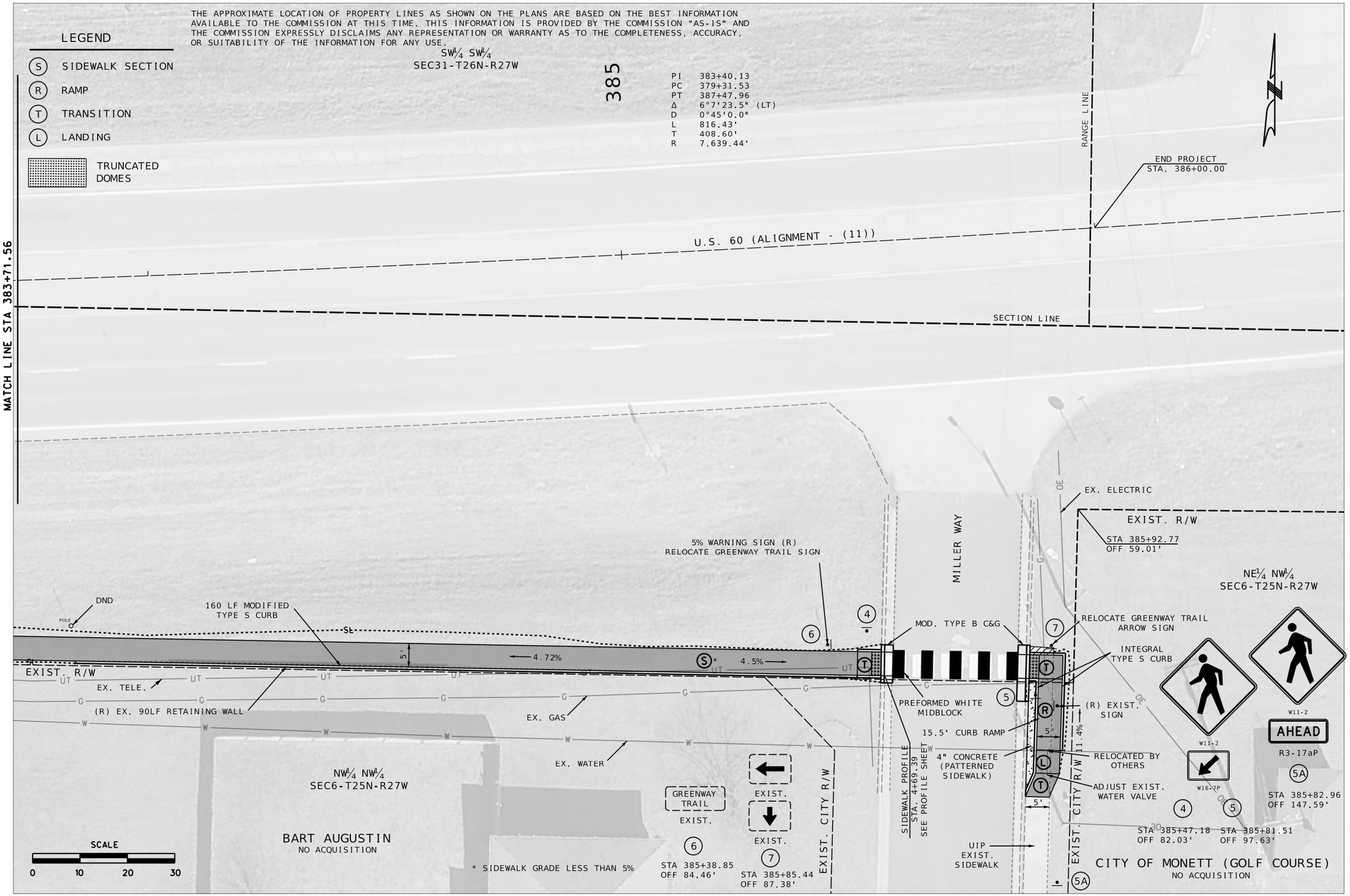

LOCATION 2
ROUTE 60/NORTHGATE AVE. - MILLER WAY

PLAN SHEET
SHEET 6 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
1/29/2024	
ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	8
COUNTY	
BARRY/LAWRENCE	
JOB NO.	
J7S3472	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

2215 Fairlawn Dr
Carthage, MO 64836
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PI	4+03.06
PC	3+00.00
PT	4+90.94
Δ	53°27'43.7" RT
D	27°59'57.9" (ARC)
L	190.94' (ARC/CHORD)
T	103.06'
R	204.63'

LOCATION 3
ROUTE 37 (BROADWAY ST.)/LINCOLN AVE.

PLAN SHEET
SHEET 7 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	9
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

2215 Fairdown Dr
Carthage, MO 64836
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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.

BELL, RANDY C. & MARILYN V. TRUST
NO ACQUISITION

CHRISTOPHER D. AND KATHY JO DAVIS
NO ACQUISITION

EUCLID AVE.

EX. ELECTRIC

STA 7+52.82
OFF 35.00'

STA 6+82.82
OFF 34.94'

STA 8+38.47
OFF 35.00'

STA 6+82.80
OFF 35.06'

STA 7+52.80
OFF 35.00'

8.0%
7.5%
6.9%
7.8%
7.9%
5.6%

UIP
TYPE B C&G
DND
EX. WATER
(R)

EXIST. CITY R/W

BEGIN PROJECT
STA. 6+50.00

S81°49'05"W

ROUTE 37 (BROADWAY ST.)

DND EX. RETAINING WALL AND EX. FENCE

WOMMACK MONUMENT CO.
NO ACQUISITION

NE¼ SW¼
SEC31-T26N-R27W

LP

LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES

SCALE
0 10 20 30

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LOCATION 4
ROUTE 37 (BROADWAY ST.)/EUCLID AVE.

PLAN SHEET
SHEET 8 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	10
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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Engineering beyond.™

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

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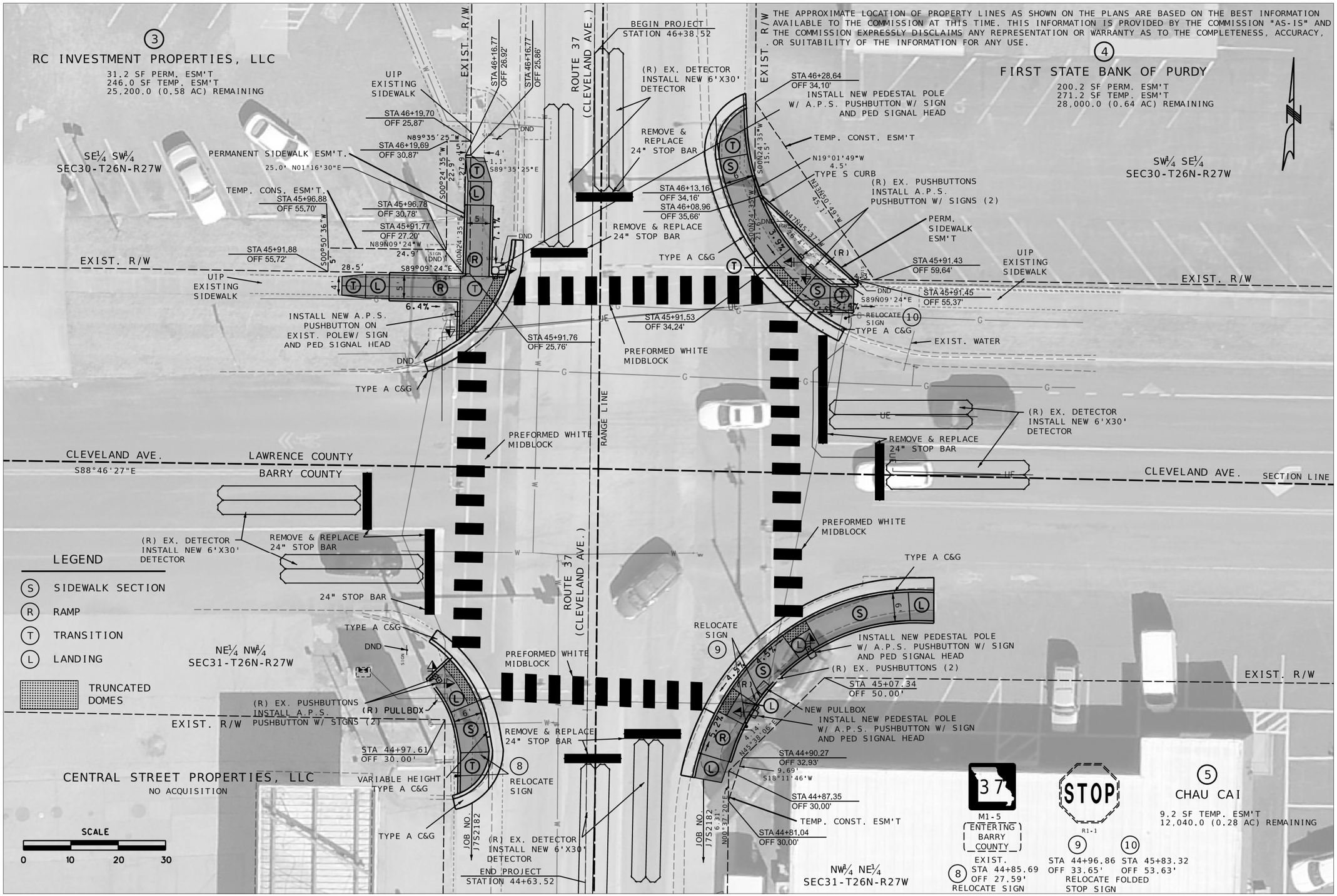

LOCATION 5
ROUTE 37 (CENTRAL AVE.)/CLEVELAND AVE.

PLAN SHEET
SHEET 9 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	11
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
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Engineering beyond.™

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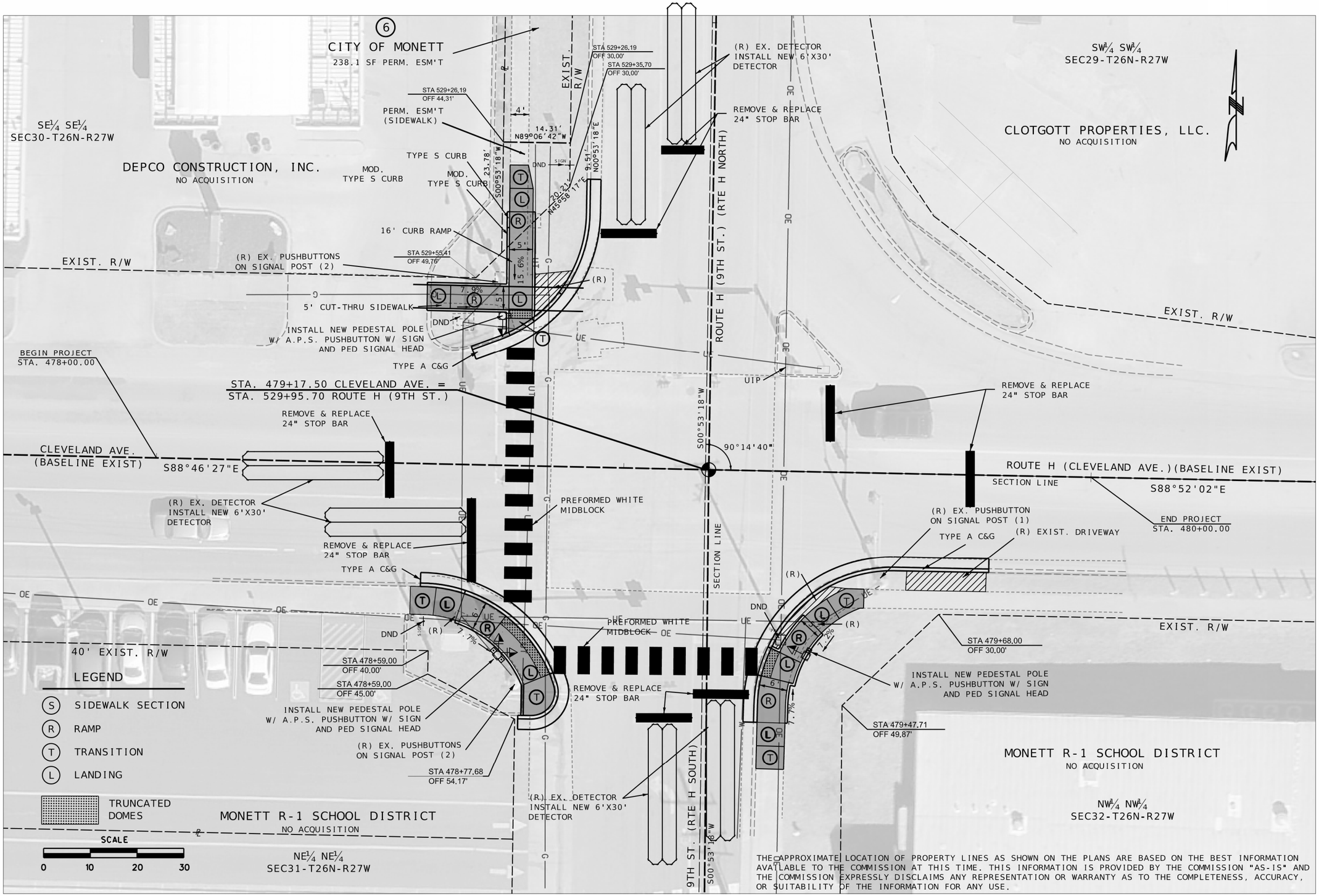

LOCATION 6
ROUTE H (CENTRAL AVE.)/9TH ST.

PLAN SHEET
SHEET 10 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
1/29/2024	
ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	12
COUNTY	
BARRY/LAWRENCE	
JOB NO.	
J7S3472	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

2215 Fairdawn Dr.
Carthage, MO 64836
417.358.9551
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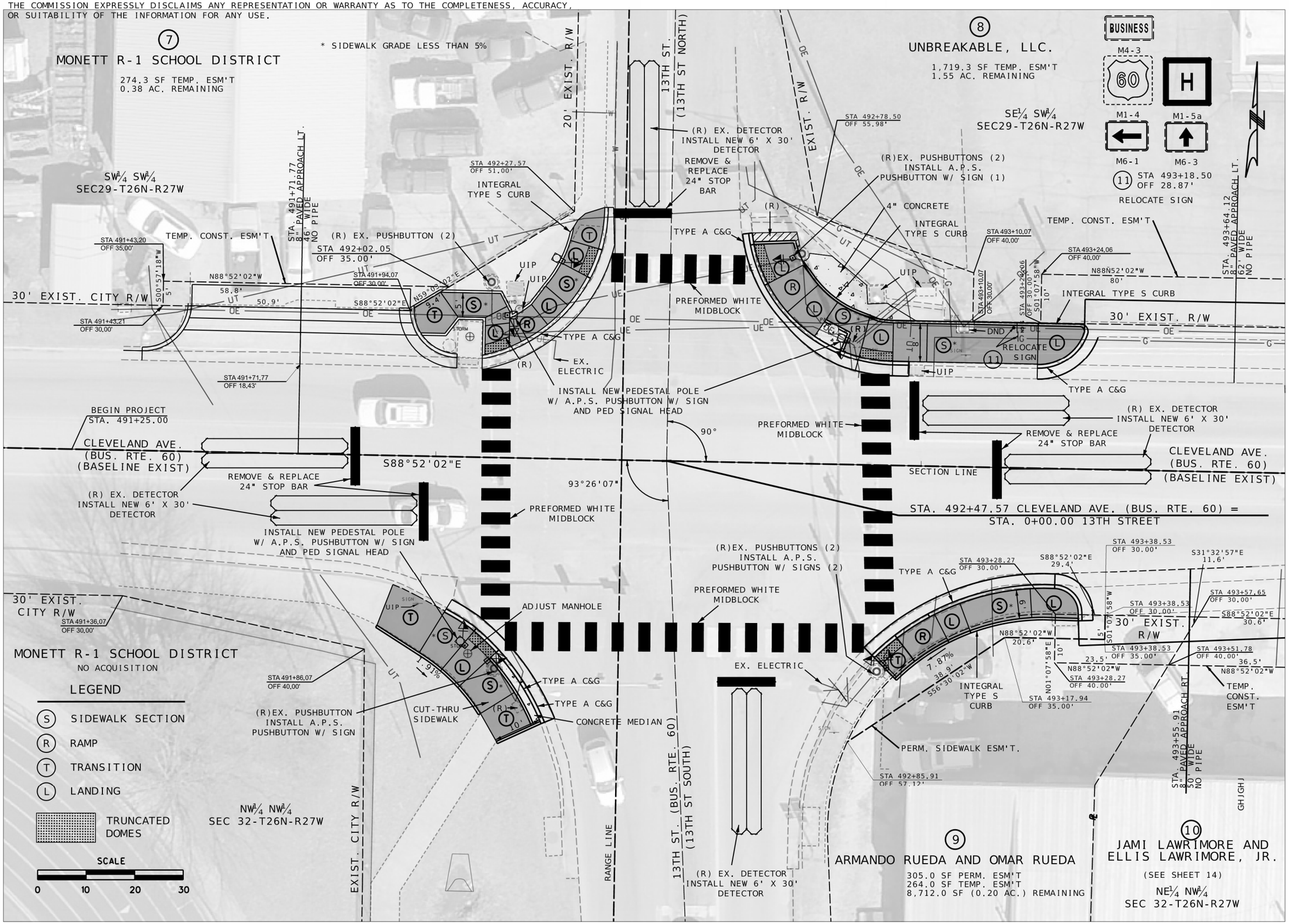

LOCATION 7
BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

PLAN SHEET
SHEET 11 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	13
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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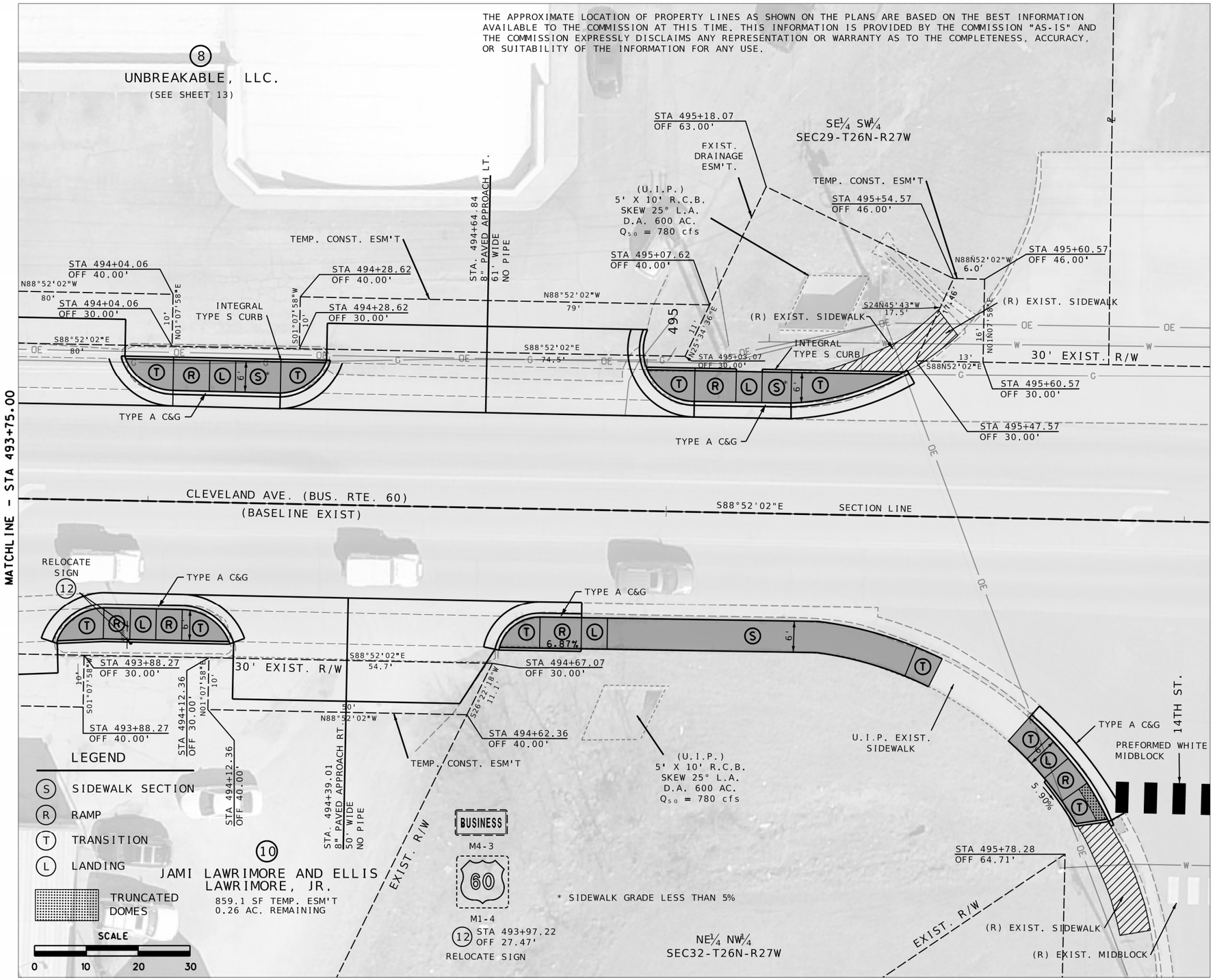

LOCATION 7
BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

PLAN SHEET
SHEET 12 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	14
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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

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COA# 00062
weareown.com
Engineering beyond.™

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

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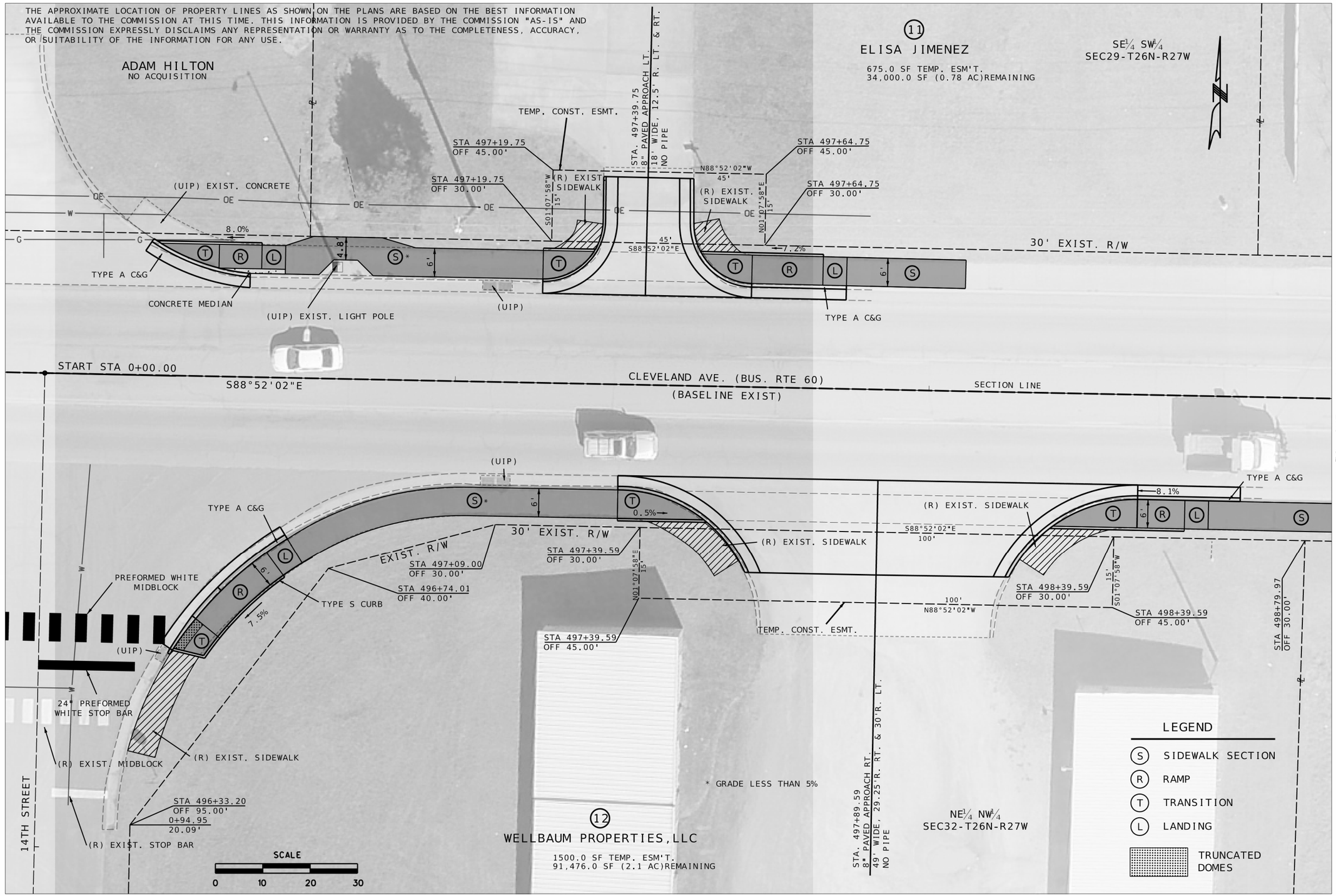

LOCATION 7
BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

PLAN SHEET
SHEET 13 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
1/29/2024	
ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	15
COUNTY	
BARRY/LAWRENCE	
JOB NO.	
J7S3472	
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

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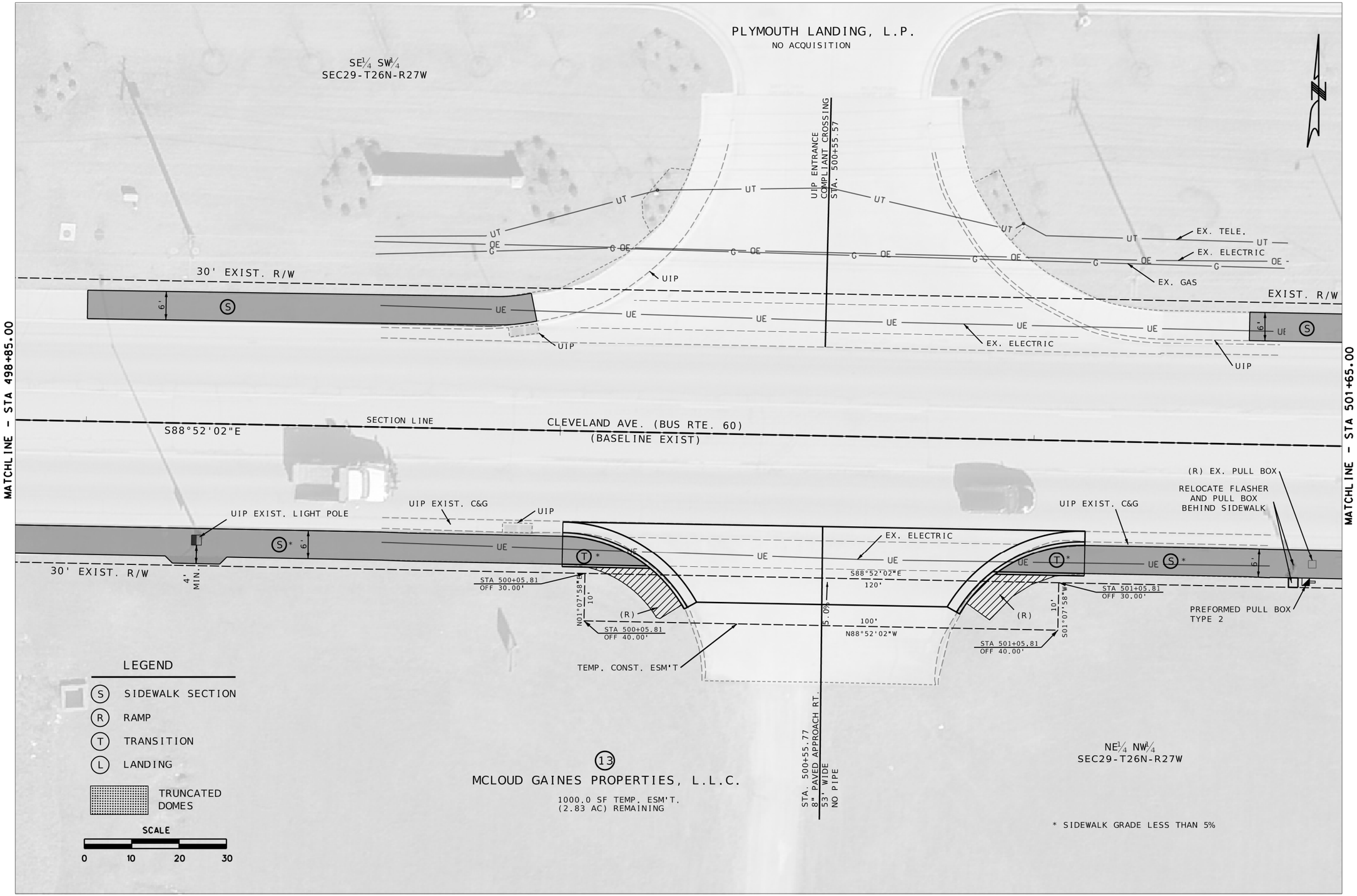

LOCATION 7
BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

PLAN SHEET
SHEET 14 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	16
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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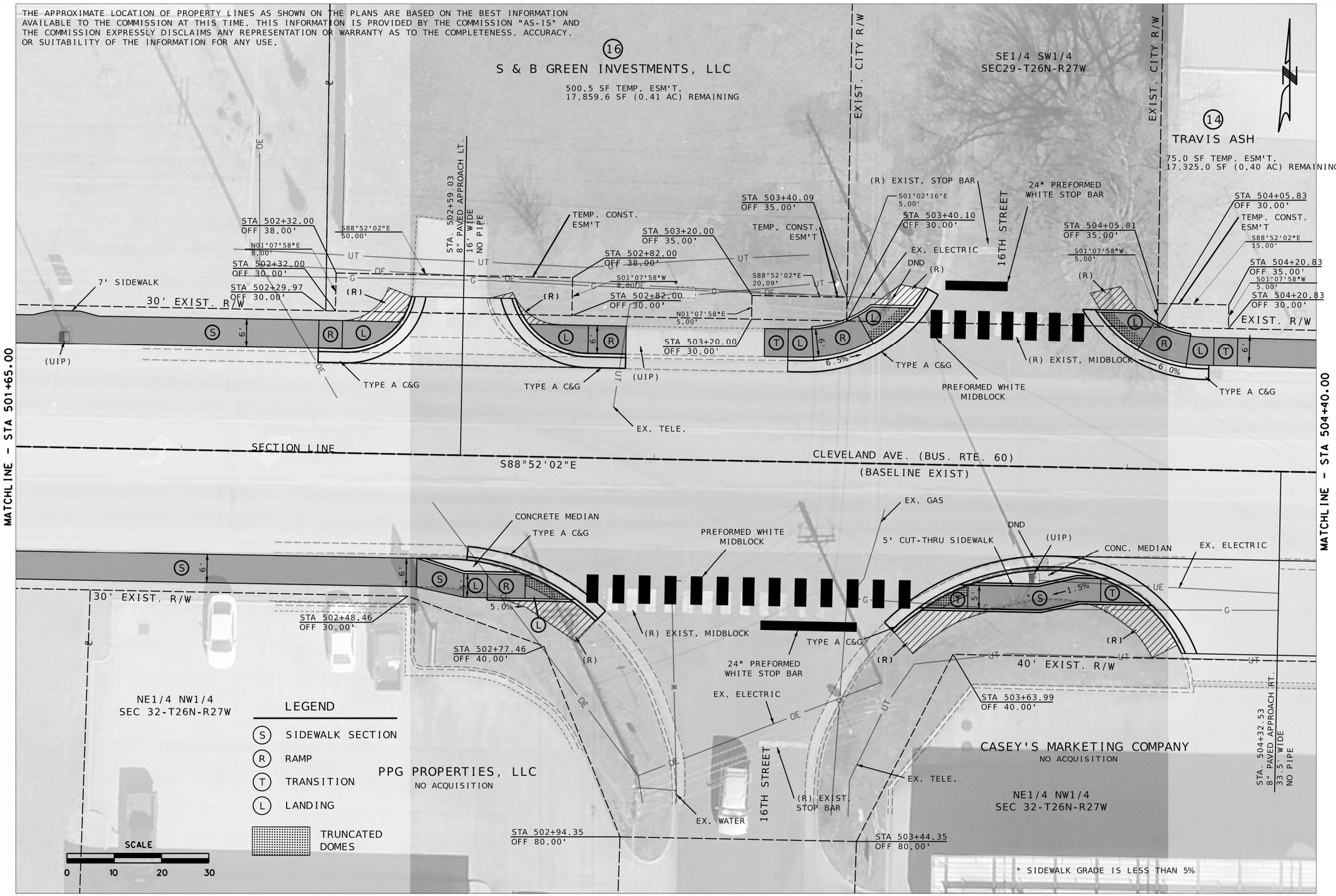

LOCATION 7
BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

PLAN SHEET
SHEET 15 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
1/29/2024	
ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	17
COUNTY	
BARRY/LAWRENCE	
JOB NO.	
J7S3472	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION
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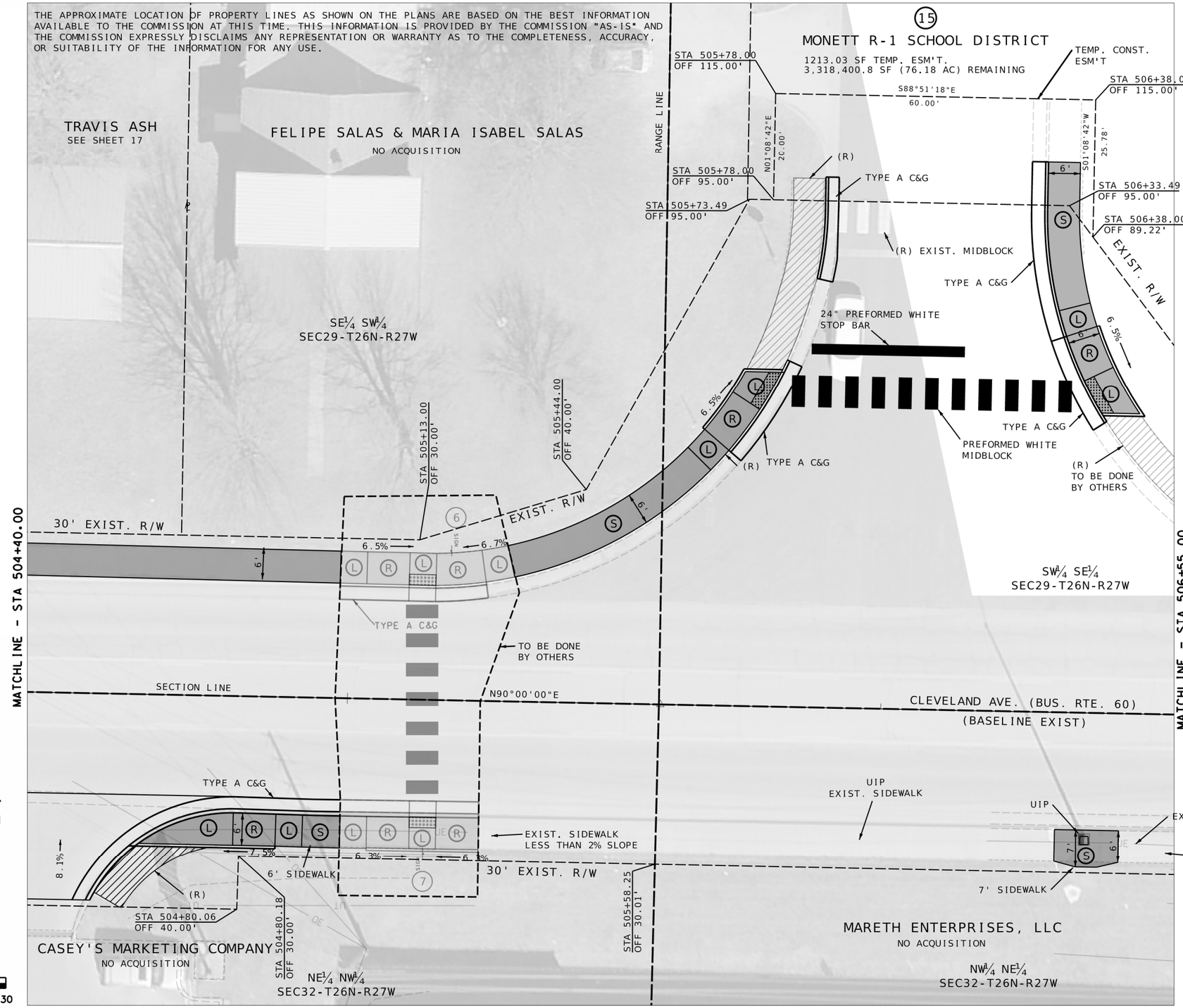

LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES

SCALE

0 10 20 30

LOCATION 7
BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

PLAN SHEET
SHEET 16 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	18
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

2215 Fairlawn Dr
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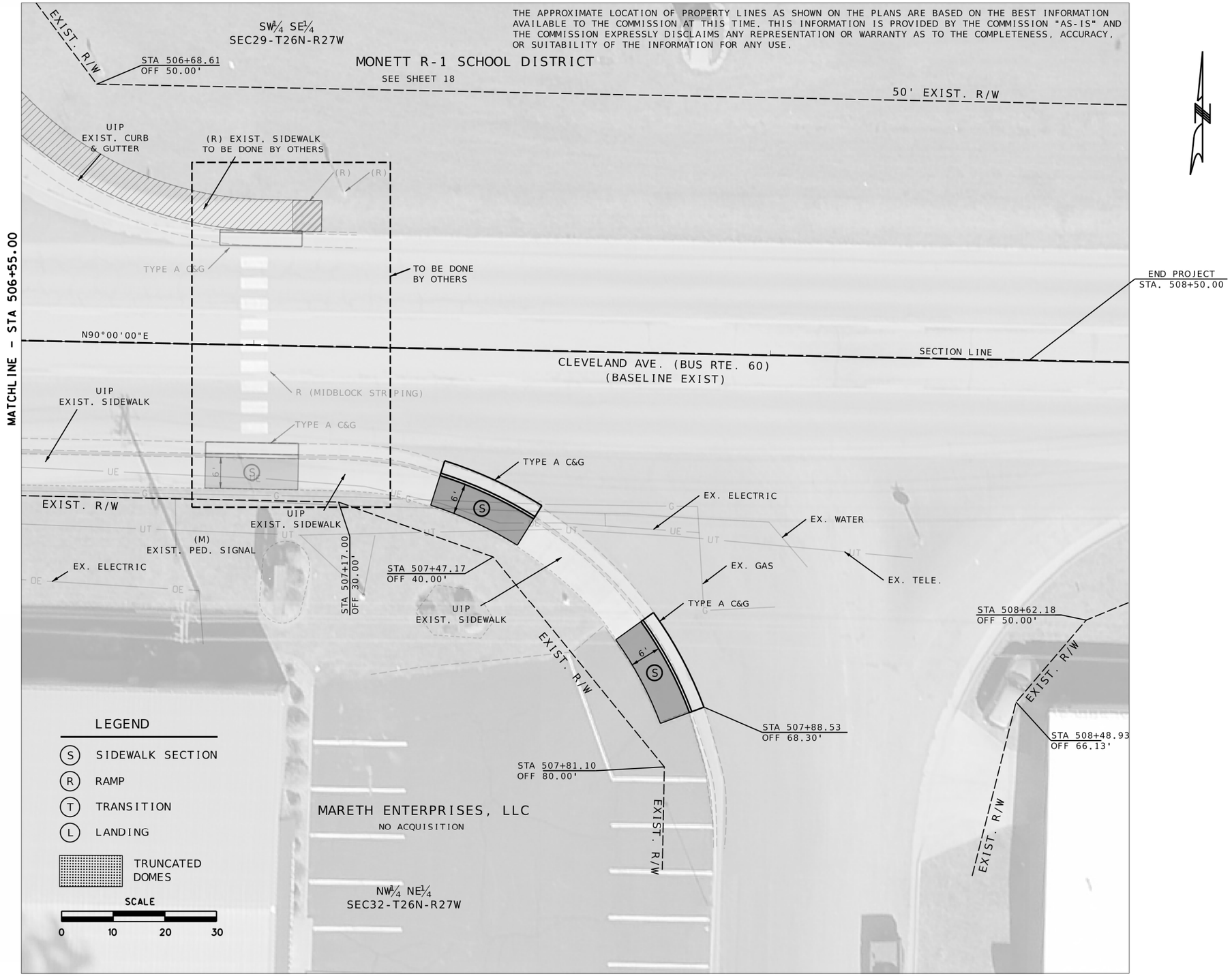

LOCATION 7
BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

PLAN SHEET
SHEET 17 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	19
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
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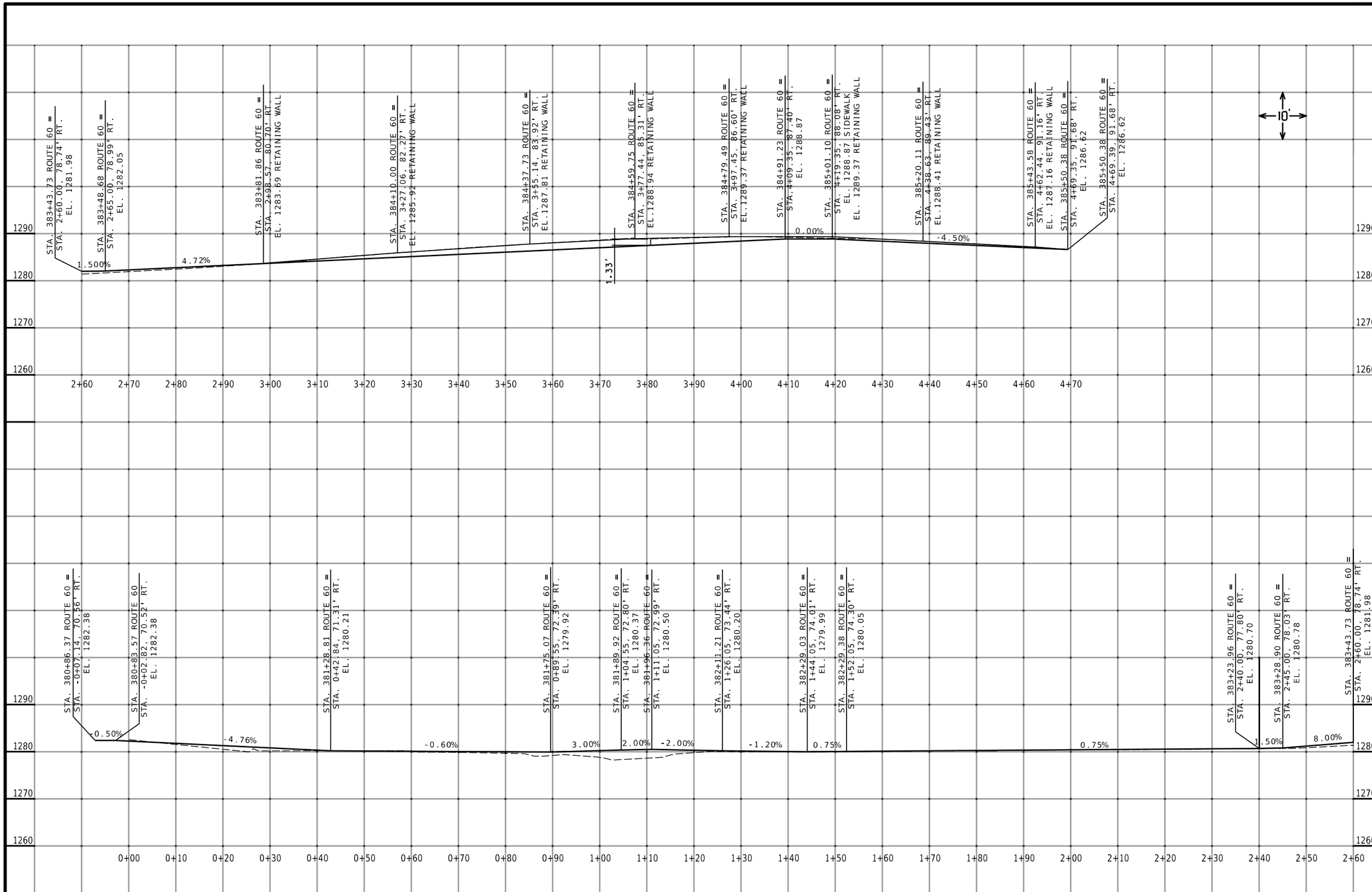

SIDEWALK PROFILE
SOUTH SIDE OF SIDEWALK
ROUTE 60 RT.

PLAN/PROFILE SHEET
SHEET 18 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
1/19/2024	
ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	20
COUNTY	
BARRY/LAWRENCE	
JOB NO.	
J7S3472	
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)

2215 Fairlawn Dr
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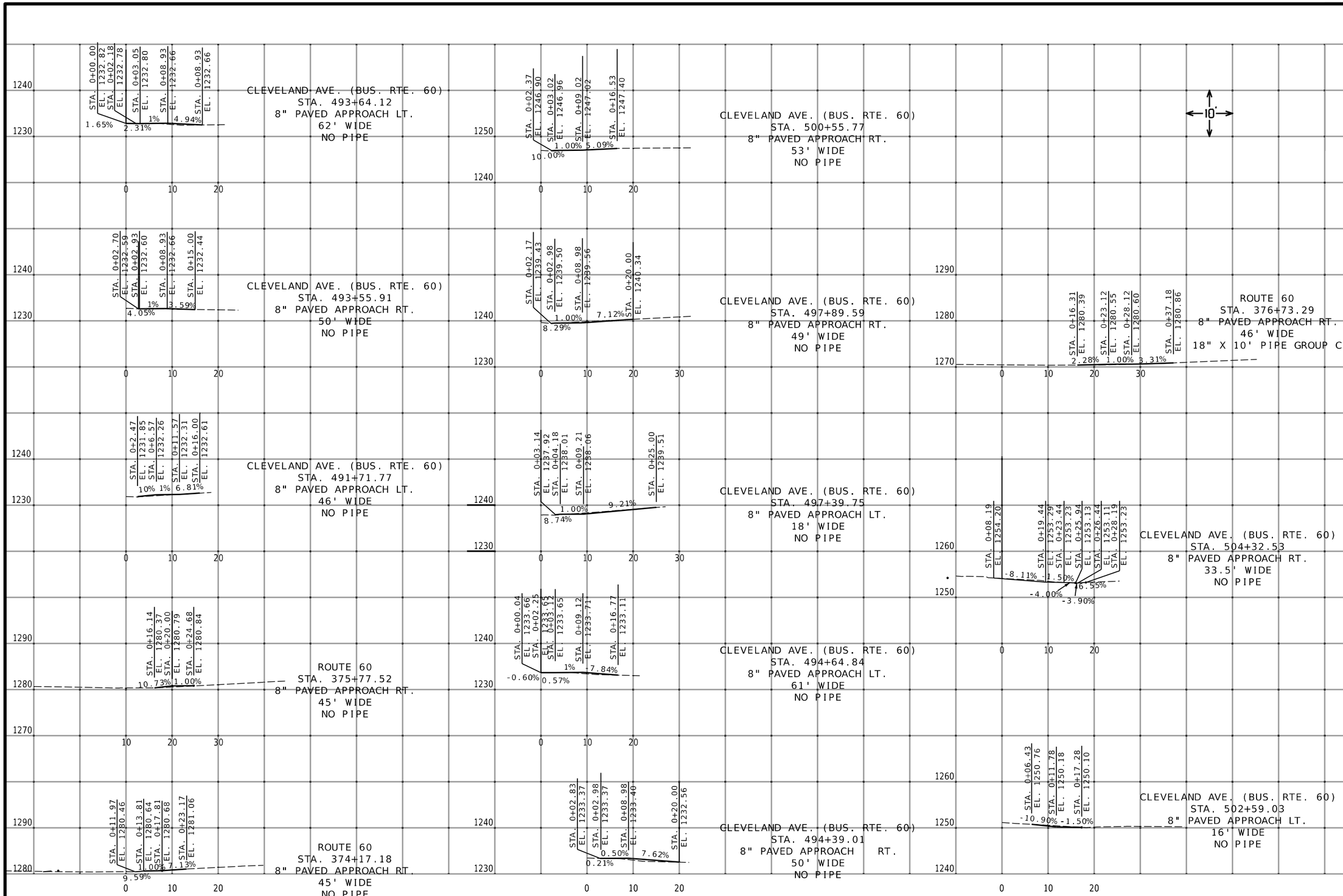

ENTRANCE PROFILES

PLAN/PROFILE SHEET
SHEET 19 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	21
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
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COA# 00062
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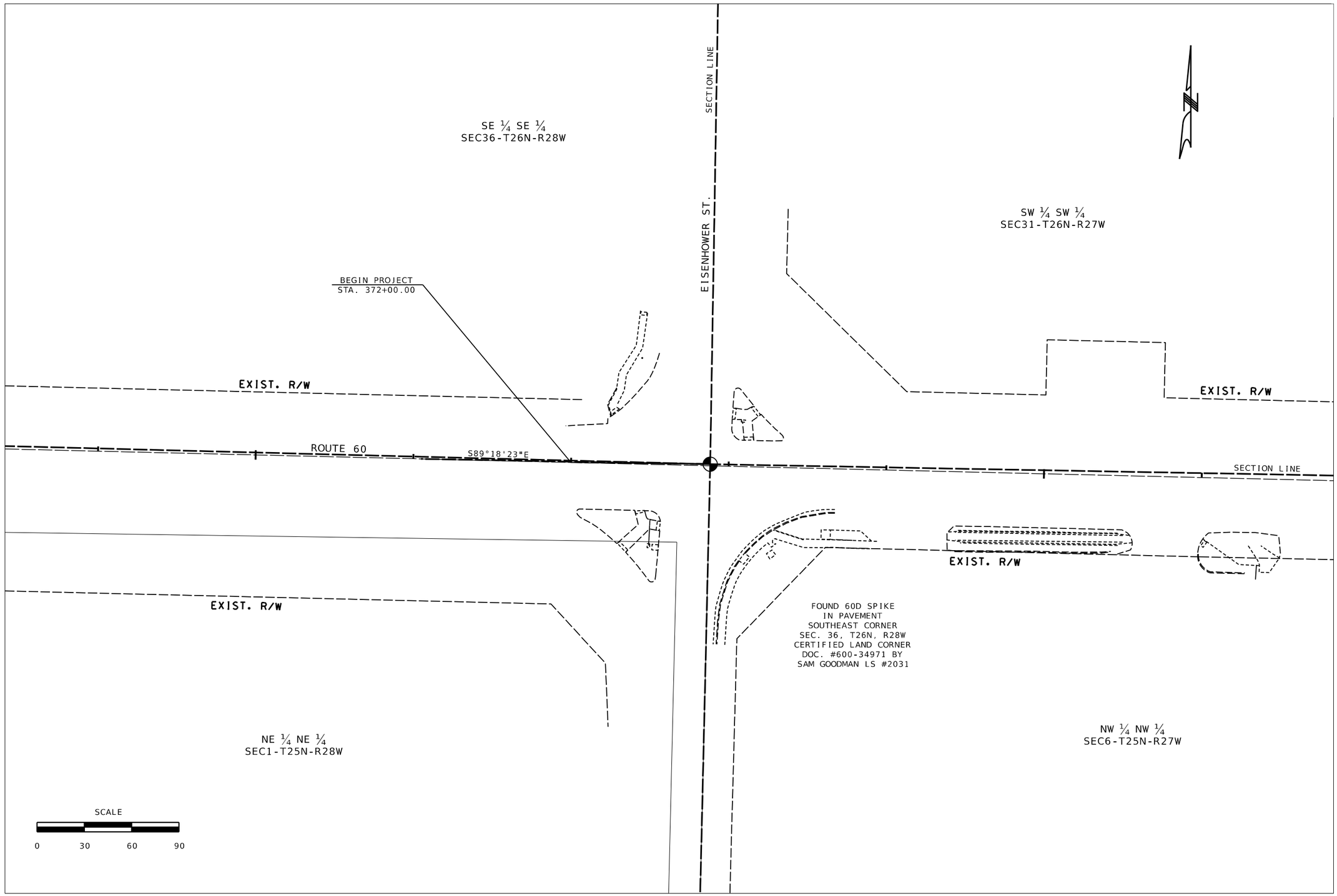

CERTIFIED LAND CORNER

PLAN SHEET
SHEET 20 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	22
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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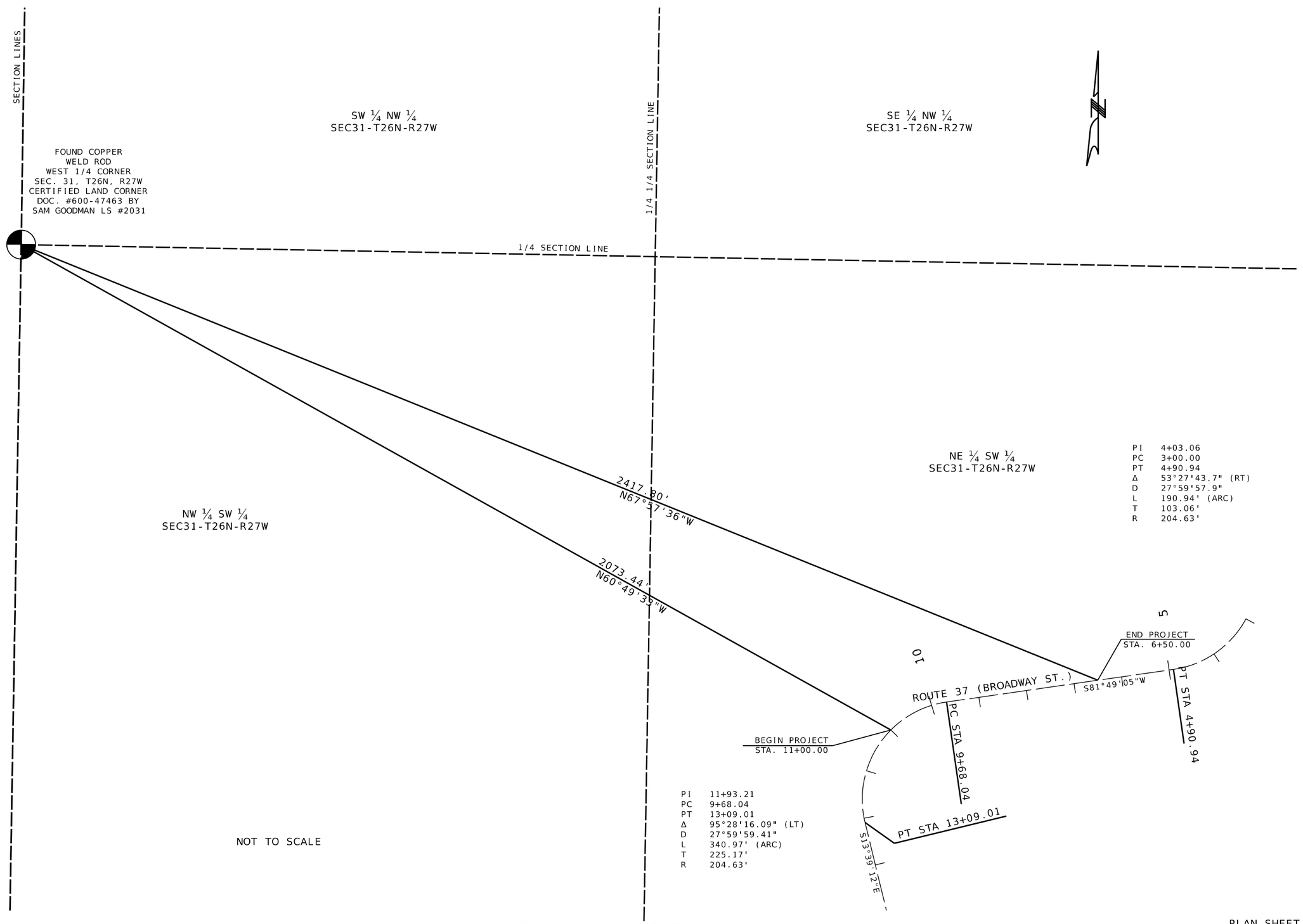

PLAN SHEET
SHEET 21 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	23
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION
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105 WEST CAPITOL
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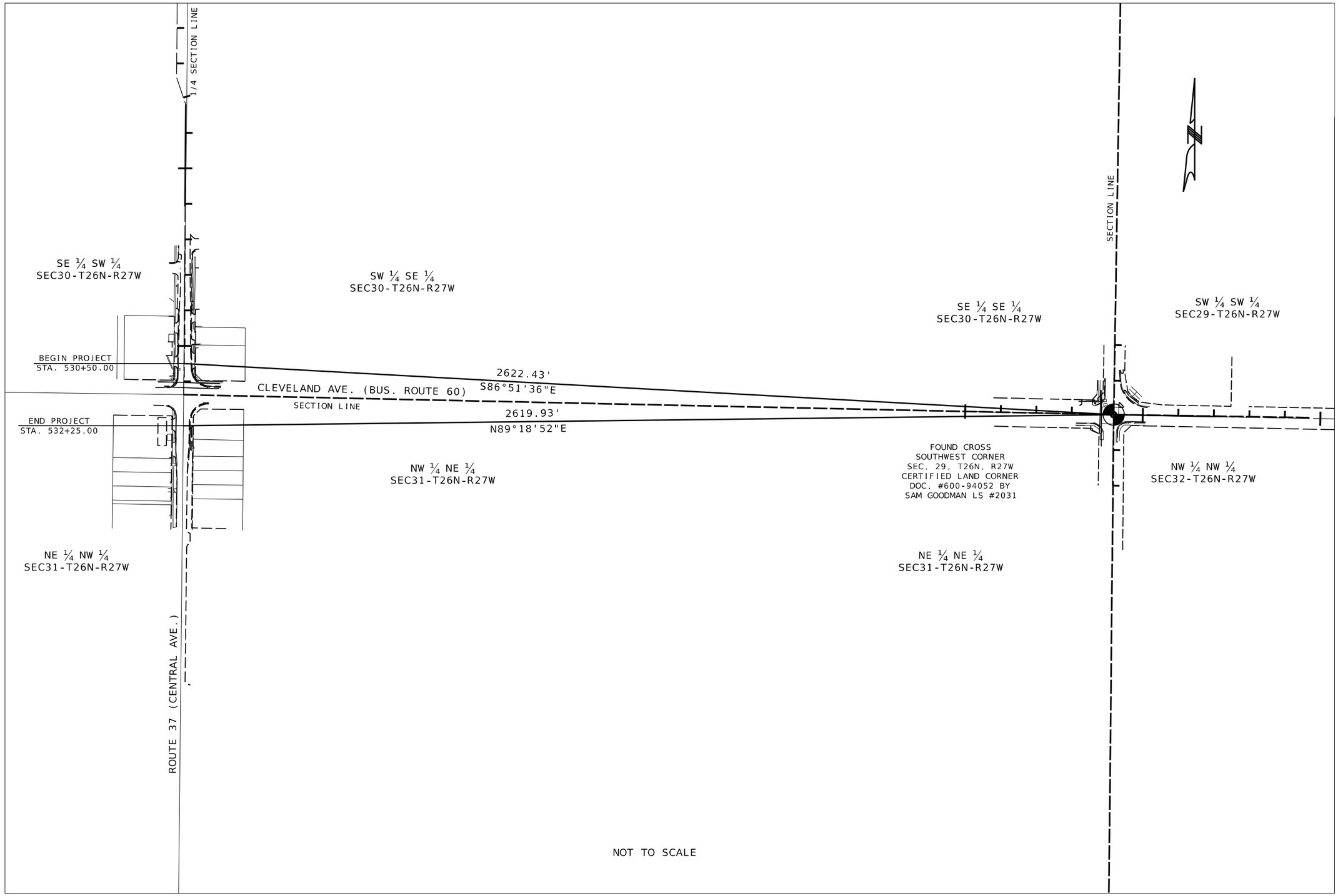

CERTIFIED LAND CORNER

PLAN SHEET
SHEET 22 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	24
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

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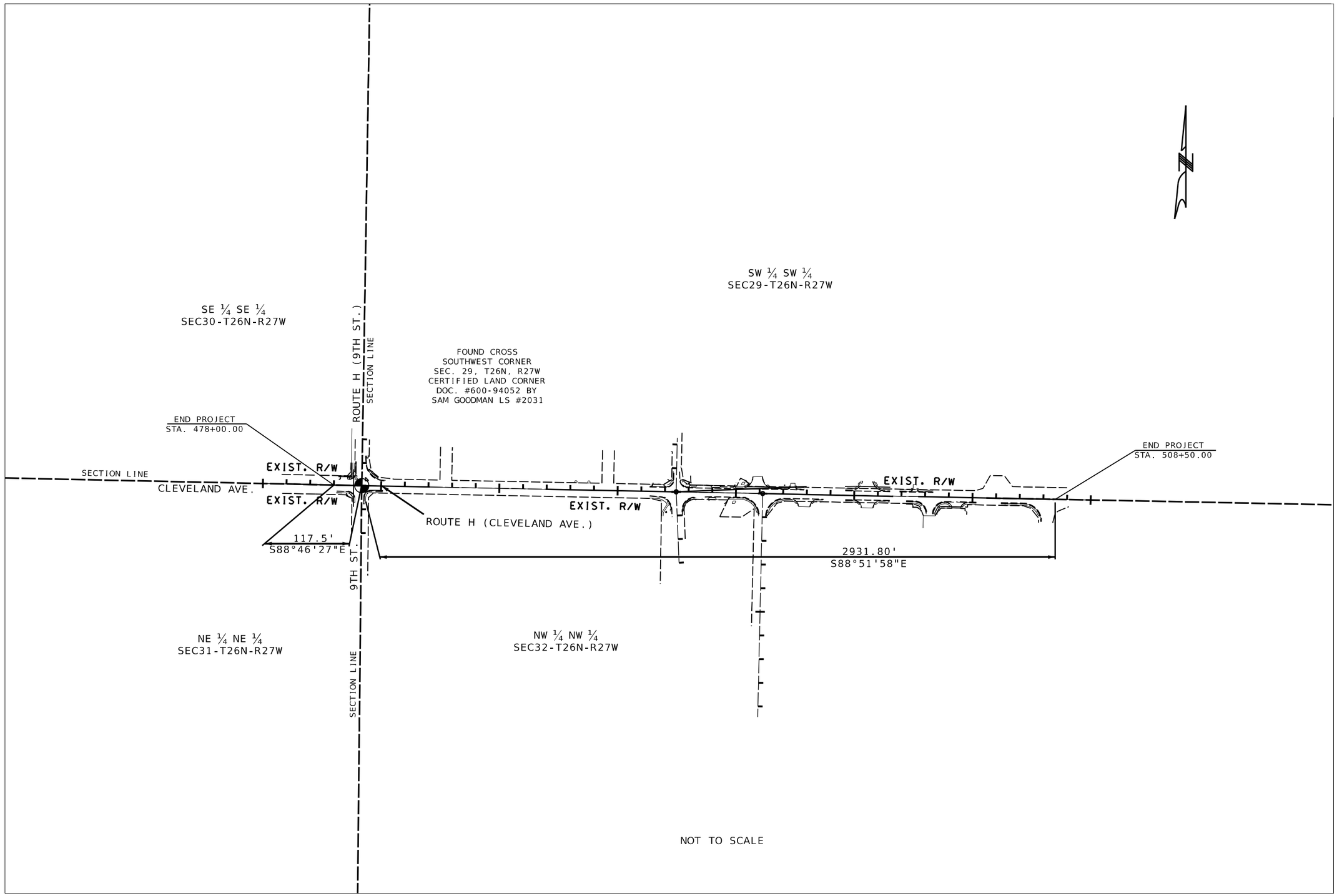

CERTIFIED LAND CORNER

PLAN SHEET
SHEET 23 OF 23

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	25
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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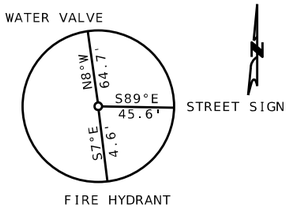
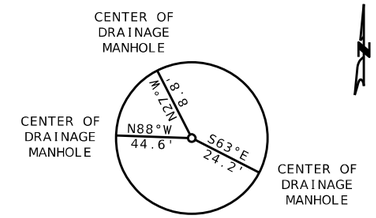


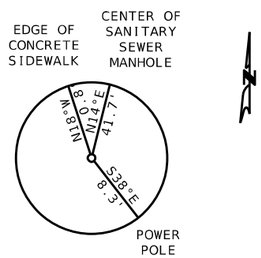
N = 274412.52
E = 2955604.69
EL. 1309.11

CP#27499
SET 5/8" REBAR WITH CONTROL CAP STAMPED "A/E CONTROL" AT THE SOUTHWEST CORNER OF W. BROADWAY ST. AND EUCLID AVE.



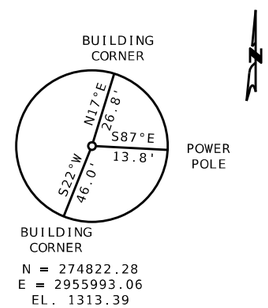
N = 274492.29
E = 2955642.04
EL. 1308.86

CP#27500
SET 5/8" REBAR WITH CONTROL CAP STAMPED "A/E CONTROL" AT THE NORTHEAST CORNER OF W. BROADWAY ST. AND EUCLID AVE.



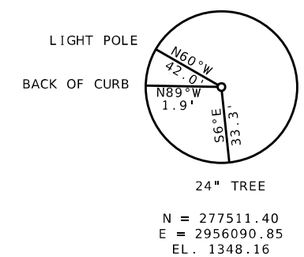
N = 274688.91
E = 2956253.79
EL. 1297.50

CP#27495
SET 5/8" REBAR WITH CONTROL CAP STAMPED "A/E CONTROL" AT THE SOUTHWEST CORNER OF W. BROADWAY ST. AND 1ST STREET



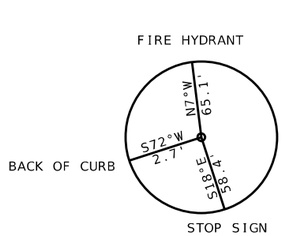
N = 274822.28
E = 2955993.06
EL. 1313.39

CP#27492
SET 5/8" REBAR WITH CONTROL CAP STAMPED "A/E CONTROL" ON THE WEST SIDE OF N. CENTRAL AVE., 160' NORTH FROM THE INTERSECTION WITH W. BROADWAY ST.



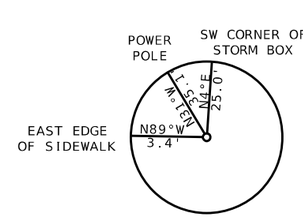
N = 277511.40
E = 2956090.85
EL. 1348.16

CP#7012
SET 80D NAIL AT ON EAST SIDE OF N. CENTRAL AVE., 43' SOUTH FROM THE INTERSECTION WITH E. SCOTT ST.



N = 276548.38
E = 2956068.66
EL. 1332.79

CP#7008
SET 80D NAIL AT SET THE EAST SIDE OF N. CENTRAL AVE., 79' SOUTH FROM THE INTERSECTION WITH E. COUNTY ST.



N = 275361.15
E = 2956012.56
EL. 1305.62

CP#7003
SET 80D NAIL AT SET THE WEST SIDE OF N. CENTRAL AVE., 40' SOUTH FROM THE INTERSECTION WITH W. CALE ST.

NOT TO SCALE

REFERENCE POINT SHEET
SHEET 1 OF 1

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

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

DATE PREPARED	1/3/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	26
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
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Engineering beyond.™

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

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	STATE PLANE
HORIZONTAL DATUM	NAD 83
VERTICAL DATUM	NAVD 88
GEOID MODEL	GEOD12B
ELEVATIONS DETERMINED BY	RTK
PROJECT PROJECTION FACTOR	1.000084175

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	STATE PLANE
CONTROL STATION	XX
DESIGNATION	A 4
CORS_ID	N/A
PID	GF0566
LATITUDE	36°55'03.71297"
LONGITUDE	93°55'38.25299"
NORTHING (M)	83489.56
EASTING (M)	901029.78
ZONE	2403 (MO-WEST)
PROJECT AVERAGE GRID FACTOR	0.999915833

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

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

EXAMPLE: CONTROL POINT #1
N 1238077.3619 X 0.9999226483345 = N 1237981.5946
E 675780.8987 X 0.9999226483345 = E 675728.6260

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
U.S. 60								
	365+75.00	℄	0	272734.9686	2952692.9105		POT, ALIGNMENT - (11)	N/A
	372+00.00	℄	0	272720.0405	2953317.7322		BEGIN PROJECT, ALIGNMENT - (11)	N/A
	379+31.53	℄	0	272702.5680	2954049.0535		PC, ALIGNMENT - (10)	N/A
	379+55.00	℄	0	272702.0074	2954072.5169		POT, ALIGNMENT - (11)	N/A
	383+40.13	℄	TANGENT	272692.8086	2954457.5391		PI, ALIGNMENT - (10)	N/A
	386+00.00	℄	0	272715.8414	2954717.1785		END PROJECT, ALIGNMENT - (10)	N/A
	387+47.96	℄	0	272726.6766	2954864.7351		PT, ALIGNMENT - (10)	N/A
ROUTE 37 ALIGNMENT								
	3+00.00	℄	0	274589.8204	2956000.1989		BEGIN CHAIN AND PC, CHAIN ROUTE37 3+00 TO US 60	N/A
	4+03.06	℄	TANGENT	274499.1275	2955951.2519		PI, CHAIN ROUTE37 3+00 TO US 60	N/A
	4+90.94	℄	0	274484.4603	2955849.2427		PT, CHAIN ROUTE37 3+00 TO US 60	N/A
	6+50.00	℄	0	274461.8233	2955691.8019		POT - BEGIN PROJECT, CHAIN ROUTE37 3+00 TO US 60	N/A
	9+68.04	℄	0	274416.5606	2955376.9996		PC, CHAIN ROUTE37 3+00 TO US 60	N/A
	11+00.00	℄	0	274358.3793	2955261.0975		POT - END PROJECT, CHAIN ROUTE37 3+00 TO US 60	N/A
	11+93.21	℄	TANGENT	274384.5167	2955154.1265		PI, CHAIN ROUTE37 3+00 TO US 60	N/A
	13+09.01	℄	0	274165.7141	2955207.2740		PT, CHAIN ROUTE37 3+00 TO US 60	N/A
	21+46.89	℄	0	273351.5111	2955405.0524		PC, CHAIN ROUTE37 3+00 TO US 60	N/A
	22+78.94	℄	TANGENT	273223.1891	2955436.2228		PI, CHAIN ROUTE37 3+00 TO US 60	N/A
	24+10.81	℄	0	273092.5439	2955455.4576		PT, CHAIN ROUTE37 3+00 TO US 60	N/A
	27+23.07	℄	0	272783.6404	2955501.1186		END CHAIN ROUTE37 3+00 TO US 60	N/A
ROUTE 37 (CENTRAL AVE.) ALIGNMENT								
	8+72.17	℄	0	274337.9648	2956227.5194		BEGIN CHAIN CENTRAL003	N/A
	9+03.41	℄	0	274367.6732	2956217.8483		PC, CHAIN CENTRAL003	N/A
	9+72.74	℄	TANGENT	274433.5919	2956196.3893		PI, CHAIN CENTRAL003	N/A
	10+40.29	℄	0	274486.3541	2956151.4236		PRC, CHAIN CENTRAL003	N/A
	10+68.05	℄	TANGENT	274507.4796	2956133.4197		PI, CHAIN CENTRAL003	N/A
	10+95.45	℄	0	274532.7095	2956121.8491		PT, CHAIN CENTRAL003	N/A
	11+05.55	℄	0	274541.8881	2956117.6398		PI, CHAIN CENTRAL003	N/A
	12+64.00	℄	0	274693.6935	2956072.2432		PI, CHAIN CENTRAL003	N/A
	12+74.09	℄	0	274703.6754	2956070.7226		PC, CHAIN CENTRAL003	N/A
	13+01.99	℄	TANGENT	274731.2547	2956066.5213		PI, CHAIN CENTRAL003	N/A
	13+29.53	℄	0	274756.6316	2956054.9332		PRC, CHAIN CENTRAL003	N/A
	14+07.75	℄	0	274827.7800	2956022.4442		PI, CHAIN CENTRAL003	N/A
	14+83.43	℄	0	274905.9904	2956023.3327		PT, CHAIN CENTRAL003	N/A
	24+94.19	℄	0	275916.6804	2956034.8147		PI, CHAIN CENTRAL003	N/A
	32+63.93	℄	0	276686.3703	2956043.6817		PI, CHAIN CENTRAL003	N/A
	36+44.86	℄	0	277067.2570	2956049.7903		PC, CHAIN CENTRAL003	N/A
	36+73.38	℄	TANGENT	277095.7715	2956050.2473		PI, CHAIN CENTRAL003	N/A
	37+01.76	℄	0	277123.7984	2956055.5183		PT, CHAIN CENTRAL003	N/A
	37+51.76	℄	0	277172.9370	2956064.7591		PC, CHAIN CENTRAL003	N/A
	37+81.15	℄	TANGENT	277201.8220	2956070.1910		PI, CHAIN CENTRAL003	N/A
	38+10.40	℄	0	277231.2116	2956070.5103		PT, CHAIN CENTRAL003	N/A
	44+63.52	℄	0	277884.2982	2956077.6044		END PROJECT CENTRAL003	N/A
	46+38.52	℄	0	278059.2878	2956079.5052		BEGIN PROJECT CHAIN CENTRAL003	N/A
	50+77.82	℄	0	278498.5655	2956084.2768		END CHAIN CENTRAL003	N/A
CLEVELAND AVE. (BUSINESS ROUTE 60)								
	475+00.00	℄	0	277924.5740	2958281.3667		BEGIN CHAIN BASELINE EXIST	N/A
	478+00.00	℄	0	277918.1558	2958581.2981		POT BEGIN PROJECT, CHAIN BASELINE EXIST	N/A
	479+18.20	℄	0	277915.6270	2958699.4710		PI, CHAIN BASELINE EXIST	N/A
	480+00.00	℄	0	277914.0101	2958781.2550		POT END PROJECT, CHAIN BASELINE EXIST	N/A
	491+25.00	℄	0	277891.7721	2959906.0352		BEGIN PROJECT, CHAIN BASELINE EXIST	N/A
	495+00.00	℄	0	277884.3594	2960280.9619		PI, CHAIN BASELINE EXIST	N/A
	505+58.67	℄	0	277863.4326	2961339.4251		PI, CHAIN BASELINE EXIST	N/A
	508+50.00	℄	0	277857.6117	2961630.6969		POT END PROJECT, CHAIN BASELINE EXIST	N/A
	510+00.00	℄	0	277854.6146	2961780.6670		END CHAIN BASELINE EXIST	N/A

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/19/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	27

COUNTY: BARRY/LAWRENCE
JOB NO.: J7S3472
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
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ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	STATE PLANE
HORIZONTAL DATUM	NAD 83
VERTICAL DATUM	NAVD 88
GEOID MODEL	GEOD12B
ELEVATIONS DETERMINED BY	RTK
PROJECT PROJECTION FACTOR	1.000084175

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	STATE PLANE
CONTROL STATION	XX
DESIGNATION	A 4
CORS_ID	N/A
PID	GF0566
LATITUDE	36°55'03.71297"
LONGITUDE	93°55'38.25299"
NORTHING (M)	83489.56
EASTING (M)	901029.78
ZONE	2403 (MO-WEST)
PROJECT AVERAGE GRID FACTOR	0.999915833

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

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

EXAMPLE: CONTROL POINT #1
N 1238077.3619 X 0.9999226483345 = N 1237981.5946
E 675780.8987 X 0.9999226483345 = E 675728.6260

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
ROUTE H NORTH & ROUTE H SOUTH								
	528+00.00	℄	0	278111.3185	2958701.8048		BEGIN CHAIN RTE H NORTH	N/A
	529+95.70	℄	0	277915.6420	2958698.7712		END CHAIN RTE H NORTH	N/A
	0+00.00	℄	0	277915.6420	2958698.7712		BEGIN CHAIN RTE H SOUTH	N/A
	2+00.00	℄	0	277715.6660	2958695.6709		END CHAIN RTE H SOUTH	N/A
13TH ST NORTH AND SOUTH								
	0+00.00	℄	0	277889.3492	2960028.5813		BEGIN CHAIN 13TH ST NORTH	N/A
	2+28.09	℄	0	278117.3906	2960033.0899		END CHAIN 13TH ST NORTH	N/A
	0+00.00	℄	0	277889.3492	2960028.5813		BEGIN CHAIN 13TH ST SOUTH	N/A
	3+00.00	℄	0	277589.5914	2960040.6346		END CHAIN 13TH ST SOUTH	N/A
14TH ST								
	0+00.00	℄	0	277882.1186	2960394.2998		BEGIN CHAIN ALIGNMENT - (17)	N/A
	9+45.31	℄	0	276937.0455	2960373.1395		END CHAIN ALIGNMENT - (17)	N/A

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/19/2024
ROUTE 60,37,B60
STATE MO
DISTRICT SW
SHEET NO. 27A
COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

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

2215 Fairlawn Dr
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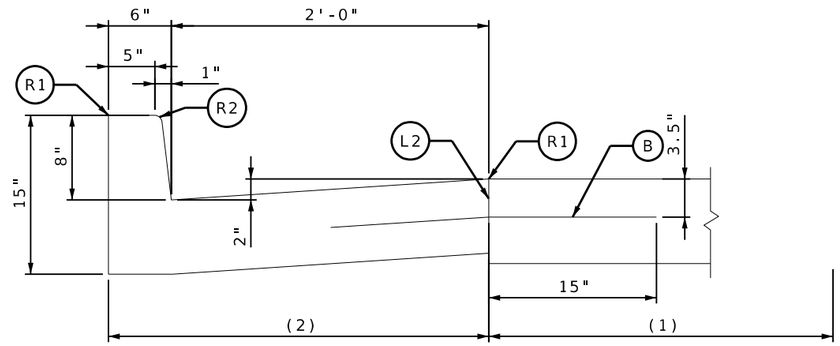
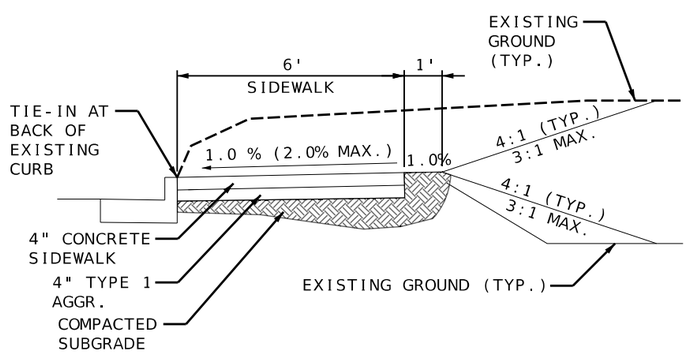
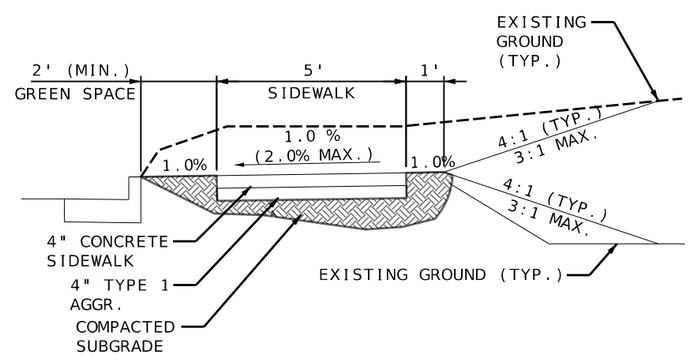


MODIFIED TYPE B CURB AND GUTTER
SEE STANDARD PLAN FOR ADDITIONAL DETAILS



TYPICAL SIDEWALK SECTION



TYPICAL SIDEWALK WITH GREENSPACE SECTION

SPECIAL SHEET
SHEET 1 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/3/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	28

COUNTY: BARRY/LAWRENCE
JOB NO.: J7S3472
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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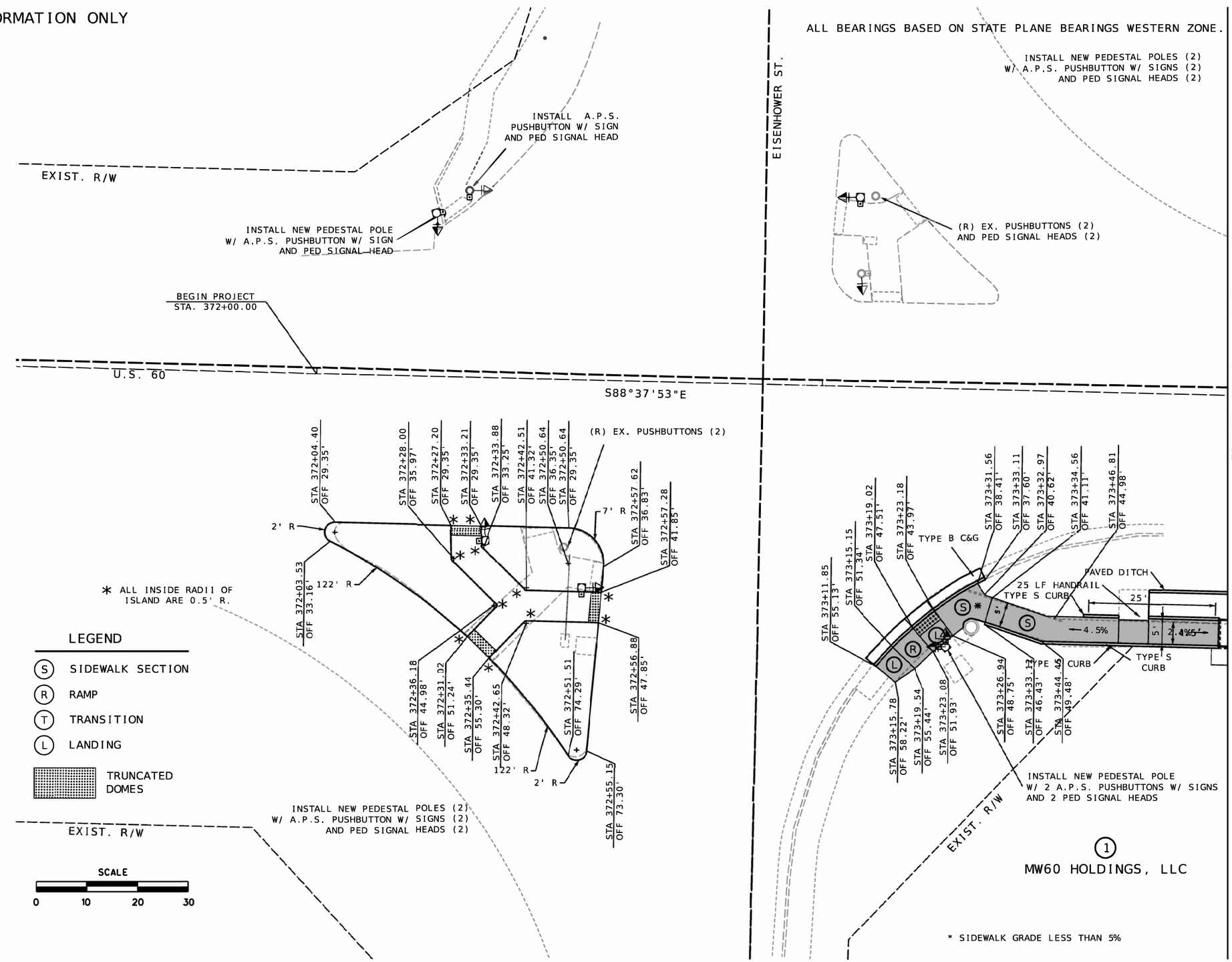
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

FOR INFORMATION ONLY

ALL BEARINGS BASED ON STATE PLANE BEARINGS WESTERN ZONE.



LOCATION 1
ROUTE 60/EISENHOWER ST.

SPECIAL SHEET
SHEET 2 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	29
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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2215 Fairlawn Dr
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

FOR INFORMATION ONLY

SW¼ SW¼
SEC31-T26N-R27W

375

EXIST. R/W

MATCHLINE - STA 373+80.00

SECTION LINE

S88°37'53"E

U.S. 60

5' X 8'
1/2" SLIP RESISTANT
STEEL PLATE

STA 373+93.53
OFF 44.54'

7.5%

STA 374+39.39
OFF 38.66'

STA 374+39.55
OFF 38.46'

TYPE B C&G

REMOVE EX. 102 LF HANDRAIL

CONCRETE MEDIAN

115 LF HANDRAIL

UIP EXIST. SIDEWALK

REMOVE EX. 102 LF HANDRAIL

115 LF HANDRAIL

STA 375+45.11
OFF 37.88'

STA 375+54.70
OFF 37.61'

STA 375+54.90
OFF 37.81'

STA 376+01.56
OFF 38.99'

STA 376+06.82
OFF 39.10'

STA 376+13.12
OFF 46.51'

5' X 8'
1/2" SLIP RESISTANT
STEEL PLATE

TYPE S CURB

1.2%

5'

SW EXIST. R/W

STA 373+93.53
OFF 49.54'

STA 373+93.95
OFF 49.54'

STA 374+37.93
OFF 43.68'

STA 374+39.42
OFF 43.66'

STA 374+39.42
OFF 43.86'

STA 374+49.98
OFF 43.59'

STA 374+49.95
OFF 38.59'

TYPE B C&G

TYPE A GUTTER

CONCRETE MEDIAN

STA 375+45.15
OFF 42.88'

STA 375+54.93
OFF 43.01'

STA 375+54.93
OFF 42.81'

STA 375+56.76
OFF 42.80'

STA 375+99.28
OFF 43.94'

(R)

STA 376+04.47
OFF 44.05'

STA 376+09.75
OFF 50.27'

EX. FIRE
HYDRANT DND

PAVED DITCH

1

MW60 HOLDINGS, LLC

NW¼ NW¼
SEC6-T25N-R27W

* SIDEWALK GRADE LESS THAN 5%

LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES

SCALE

0 10 20 30

LOCATION 1
ROUTE 60/EISENHOWER ST.

SPECIAL SHEET
SHEET 3 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	30
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
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380

SW¼ SW¼
SEC31-T26N-R27W

SECTION LINE

S88°37'53"E

U.S. 60

SIDEWALK PROFILE
STA. -07.14
SEE PROFILE SHEET

STA 380+31.86
OFF 65.41'
STA 380+36.82
OFF 65.32'
STA 380+39.70
OFF 65.36'
STA 380+44.75
OFF 65.43'
STA 380+48.87
OFF 63.95'
STA 380+48.93
OFF 65.49'

STA 380+80.04
OFF 63.97'
STA 380+80.04
OFF 64.97'
STA 380+83.91
OFF 65.53'
STA 380+90.03
OFF 65.62'

STA 381+73.00
OFF 62.22'
STA 381+72.44
OFF 57.15'
STA 381+78.49
OFF 60.49'
STA 381+82.06
OFF 59.95'
STA 381+82.43
OFF 56.45'
STA 381+85.70
OFF 62.16'
STA 381+89.66
OFF 58.81'

1.60% 7.81% 1.50% 4.75% 0.7% 3.0% 2.0%

5' 5'

MOD. TYPE B C&G

50' EXIST. R/W

EXIST. R/W

STA 380+31.80
OFF 70.26'
STA 380+36.76
OFF 70.32'
STA 380+39.62
OFF 70.36'
STA 380+44.68
OFF 70.43'
STA 380+49.18
OFF 72.02'
STA 380+49.12
OFF 70.49'

STA 380+80.05
OFF 72.04'
STA 380+80.05
OFF 70.97'
STA 380+83.84
OFF 70.53'
STA 380+89.96
OFF 70.62'

STA 381+85.04
OFF 72.66'

PAVED DITCH

STA 382+02.59
OFF 89.45'
STA 381+97.13
OFF 78.86'
STA 382+00.69
OFF 78.33'
STA 382+10.30
OFF 81.66'
STA 382+01.57
OFF 73.14'

MATCHLINE STA 382+50.00

EXIST. R/W

EXIST. R/W

2

ALEJANDRA BARRIENTOS AND JOSE PEREZ PEREZ

NW¼ NW¼
SEC6-T25N-R27W

LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES

SCALE

0 10 20 30

* SIDEWALK GRADE LESS THAN 5%

LOCATION 2
ROUTE 60/NORTHGATE AVE.-MILLER WAY

SPECIAL SHEET
SHEET 4 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	31
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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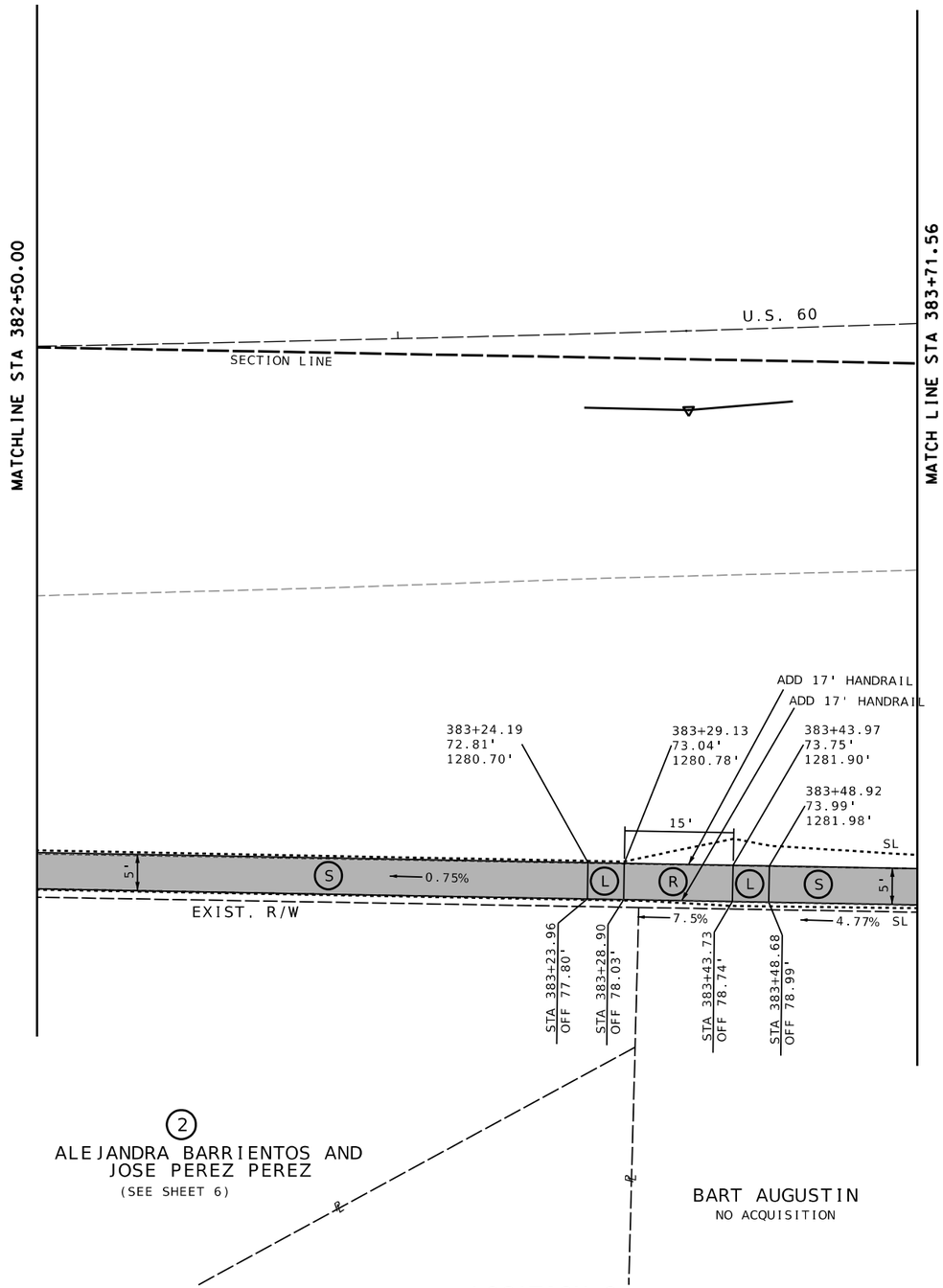

LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES

SCALE

0 10 20 30

LOCATION 2
ROUTE 60/NORTHGATE AVE.-MILLER WAY

SPECIAL SHEET
SHEET 5 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	32
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

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

2215 Fairlawn Dr
Carthage, MO 64836
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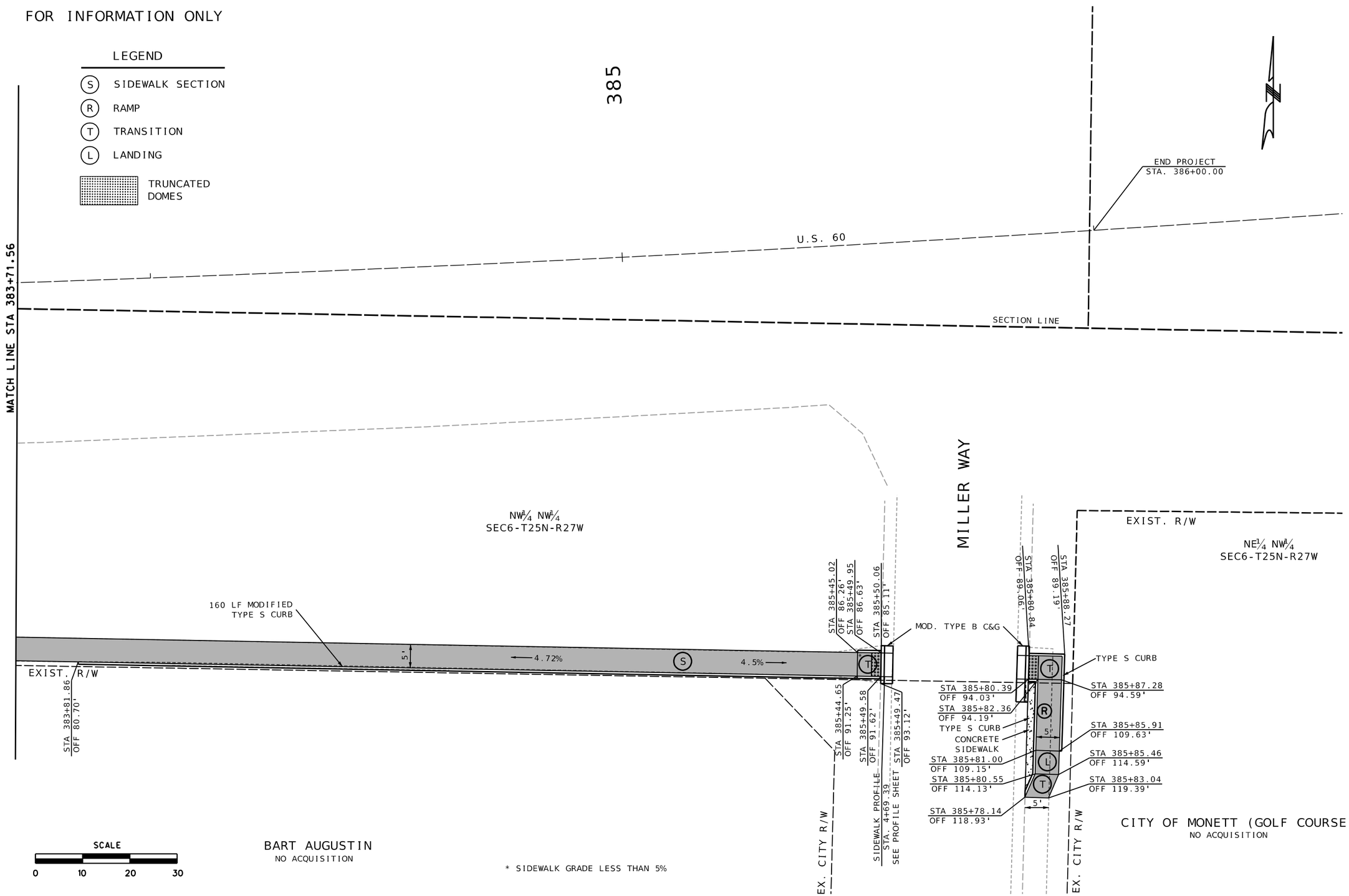
FOR INFORMATION ONLY

LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES



LOCATION 2
ROUTE 60/NORTHGATE AVE.-MILLER WAY

SPECIAL SHEET
SHEET 6 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	33
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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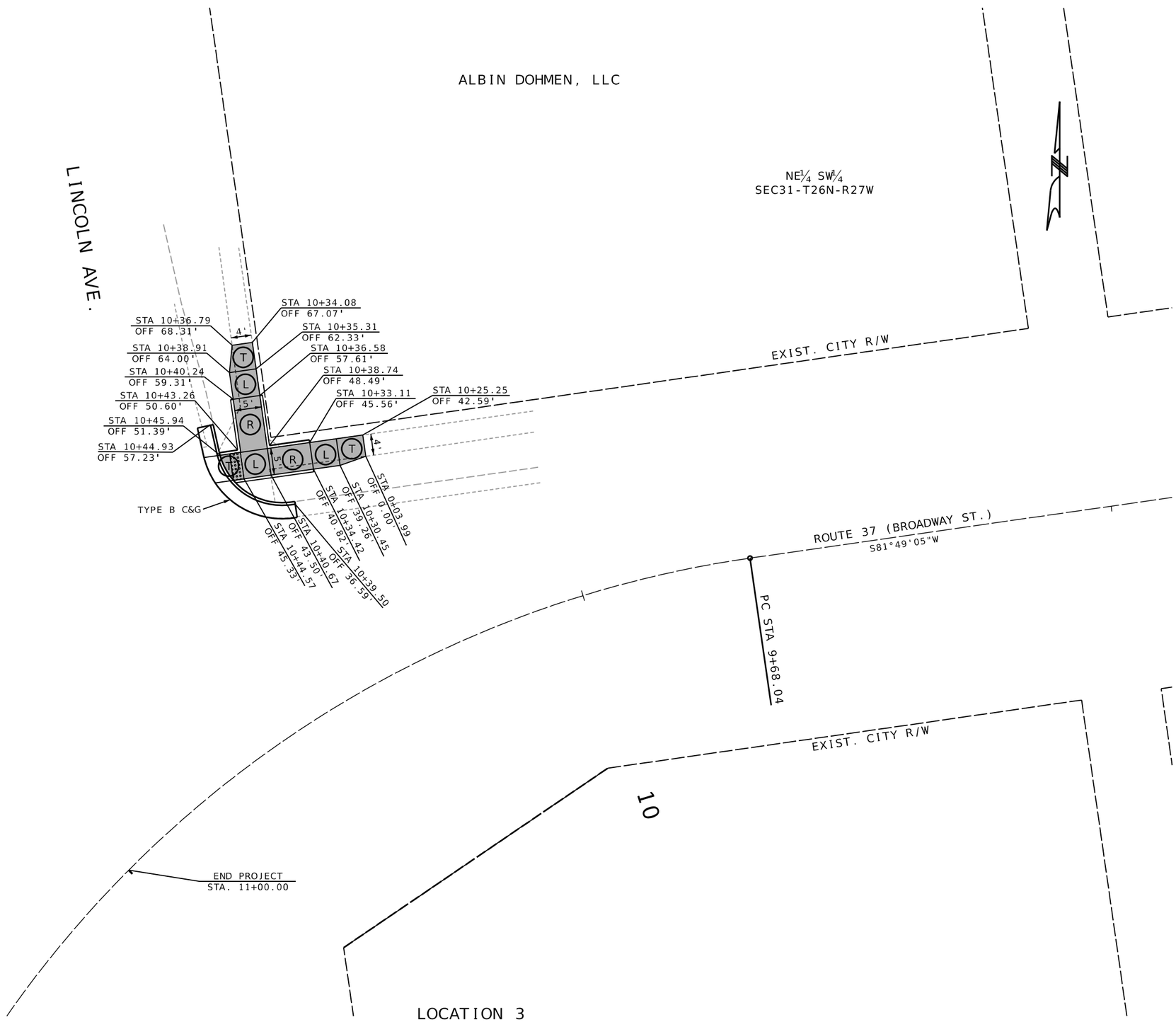


LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES

SCALE

0 10 20 30

LOCATION 3
ROUTE 37 (BROADWAY ST.)/LINCOLN AVE.

SPECIAL SHEET
SHEET 7 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

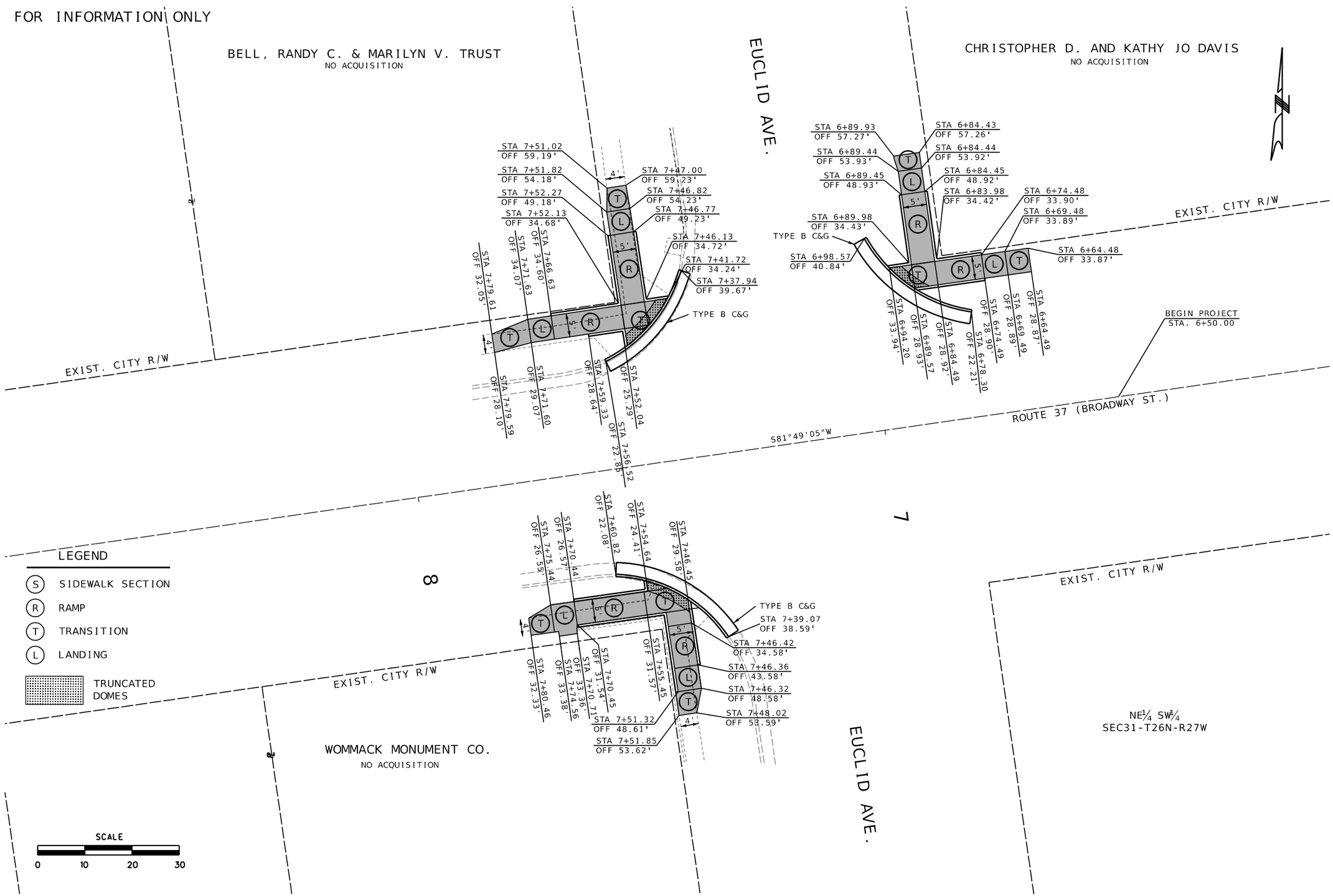
DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	34
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™



LOCATION 4
ROUTE 37 (BROADWAY ST.)/EUCLID AVE.

SPECIAL SHEET
SHEET 8 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	35
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
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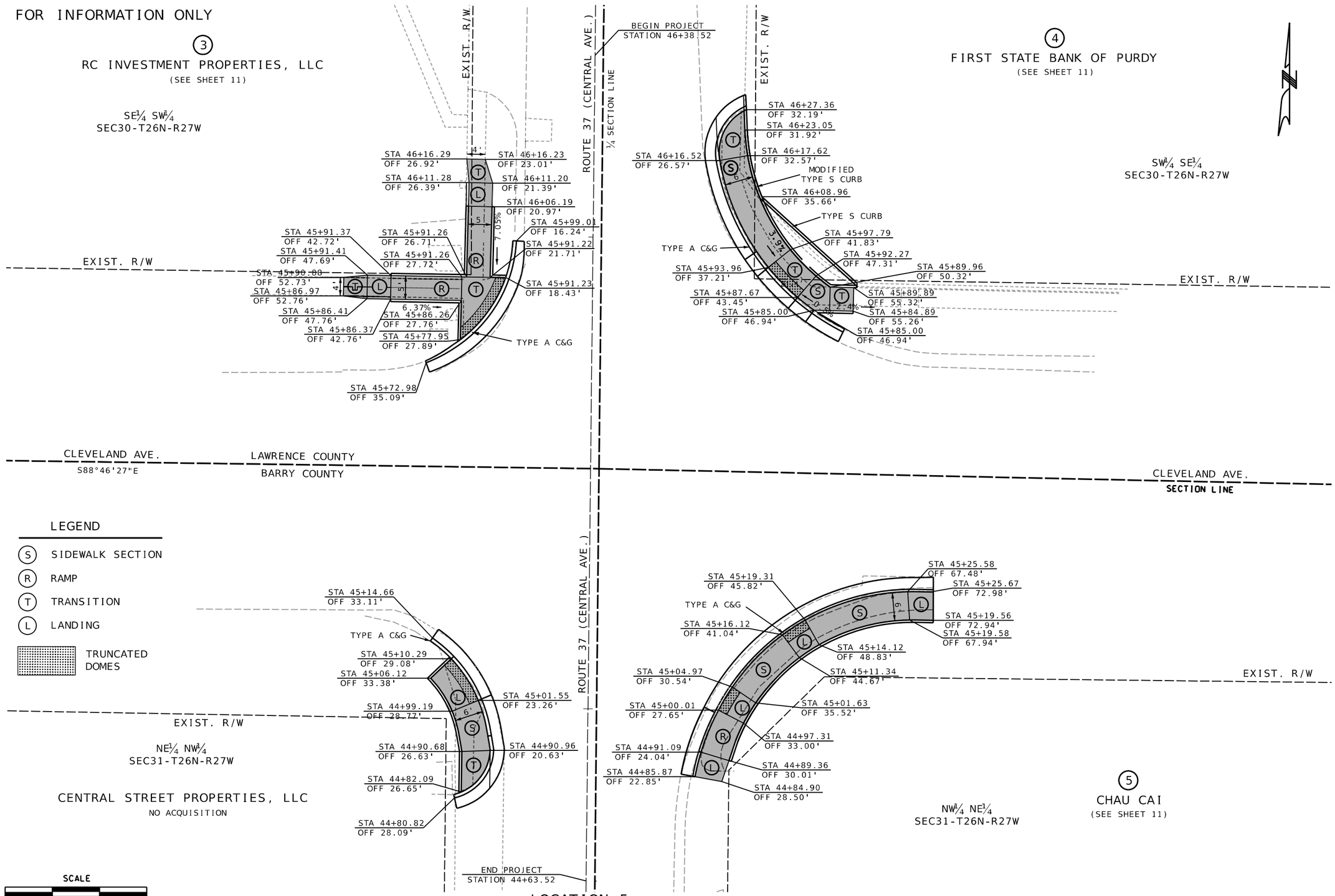
FOR INFORMATION ONLY



LOCATION 5
ROUTE 37 (CENTRAL AVE.)/CLEVELAND AVE.

SPECIAL SHEET
SHEET 9 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	36
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr.
Carthage, MO 64836
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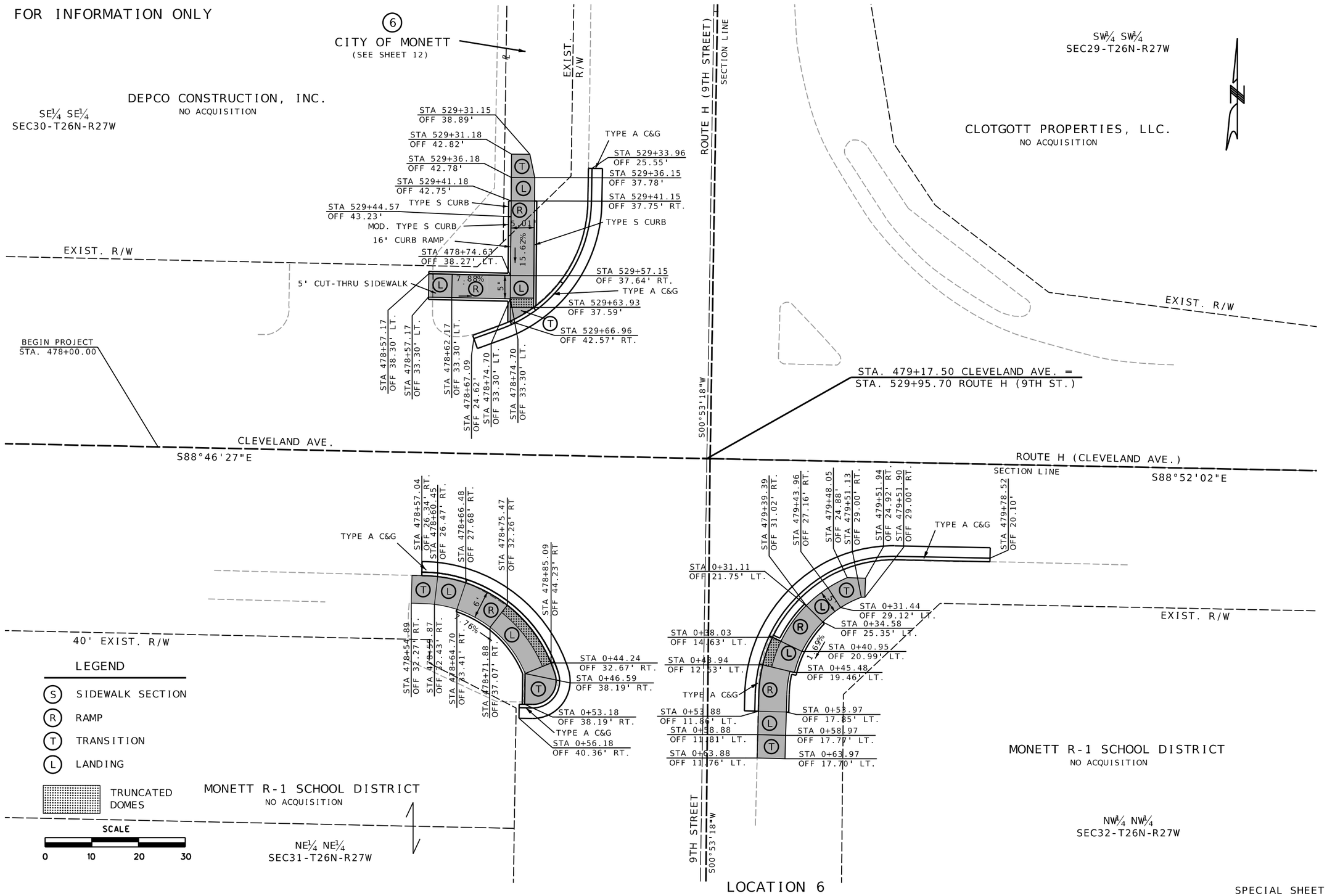
FOR INFORMATION ONLY



LOCATION 6
ROUTE H (CENTRAL AVE.)/9TH STREET

SPECIAL SHEET
SHEET 10 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	37
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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

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

2215 Fairlawn Dr
Carthage, MO 64836
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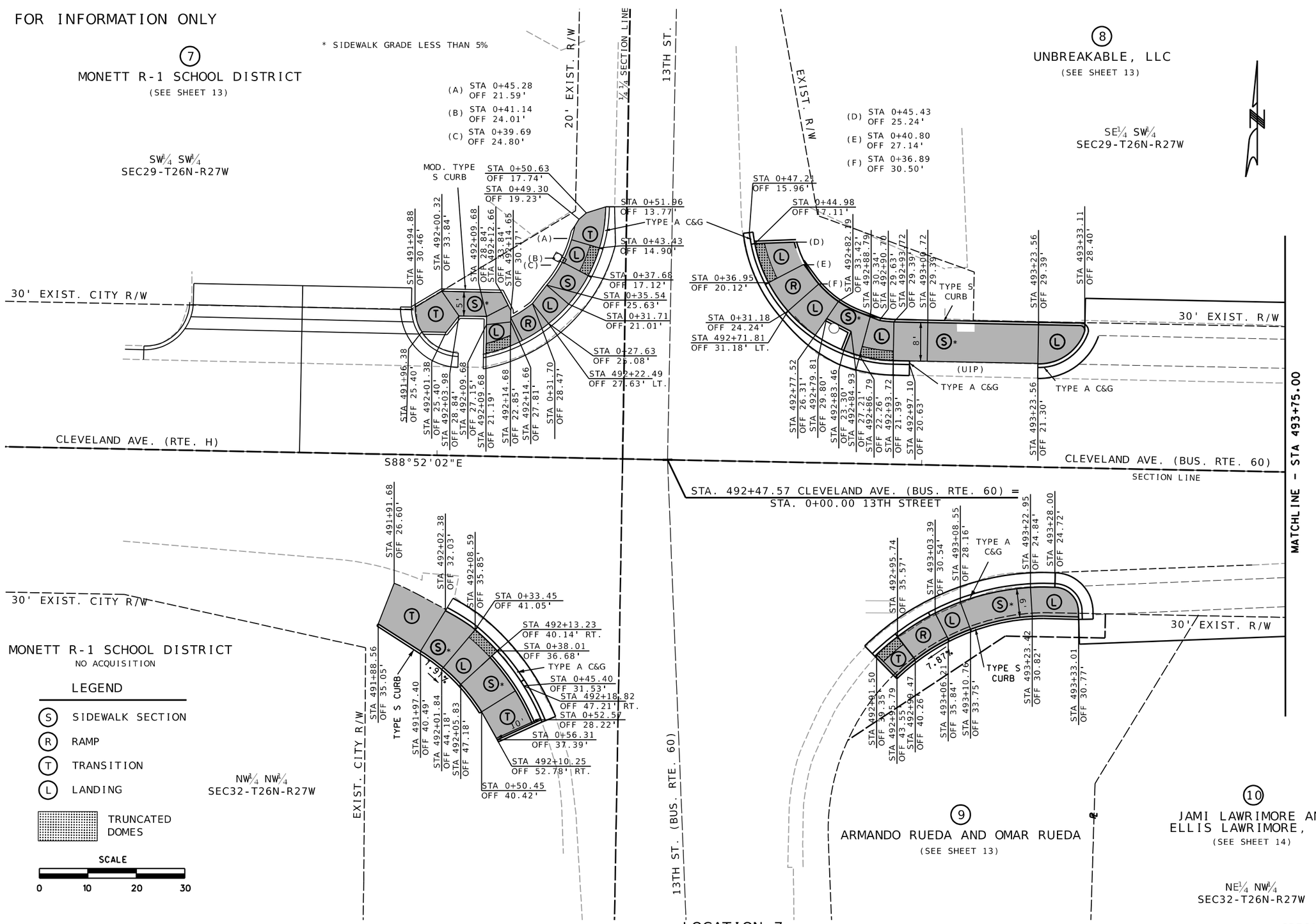

LOCATION 7
BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

SPECIAL SHEET
SHEET 11 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	38
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr.
Carthage, MO 64836
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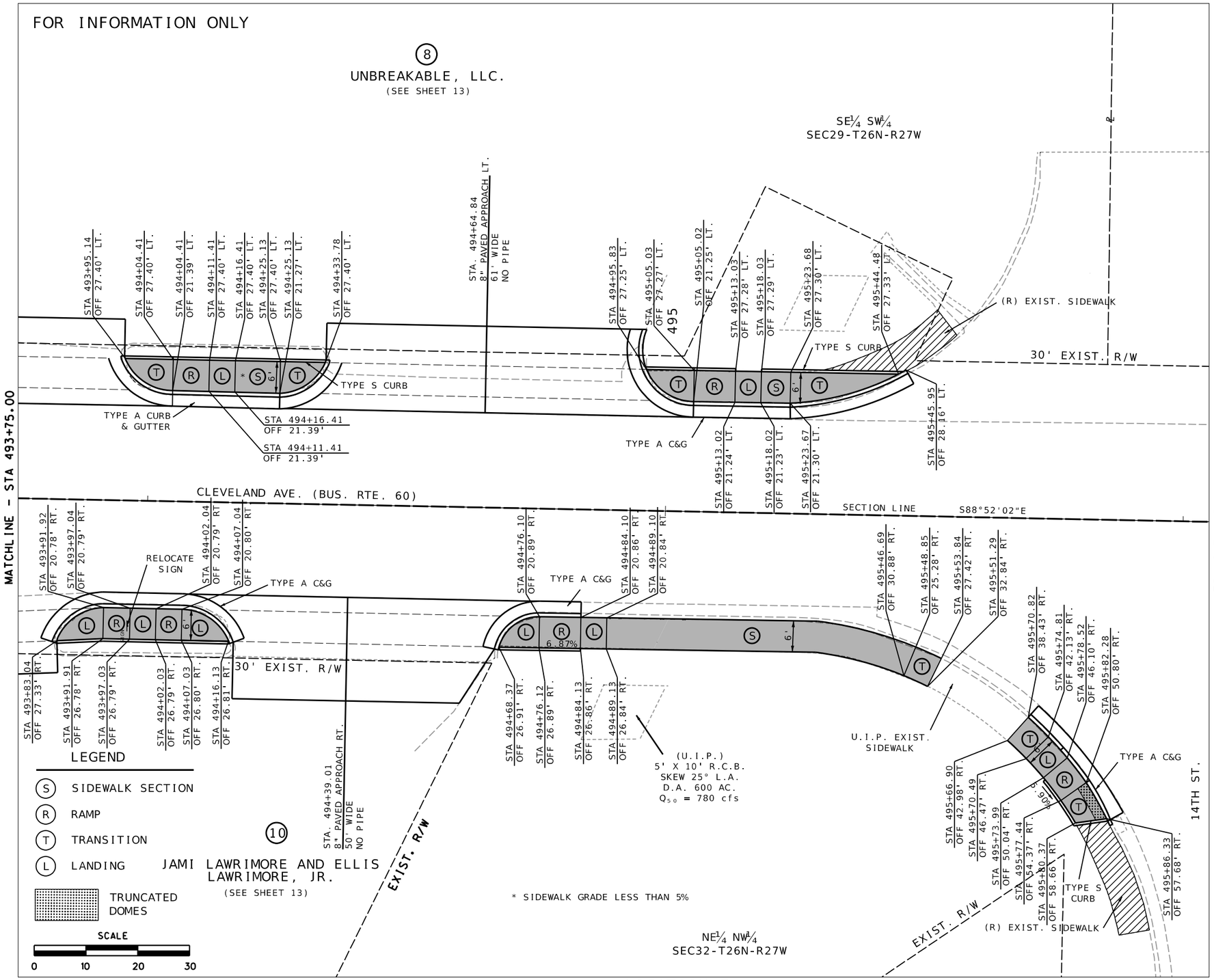
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

FOR INFORMATION ONLY



LOCATION 7

BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

SPECIAL SHEET
SHEET 12 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	39
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

2215 Fairlawn Dr
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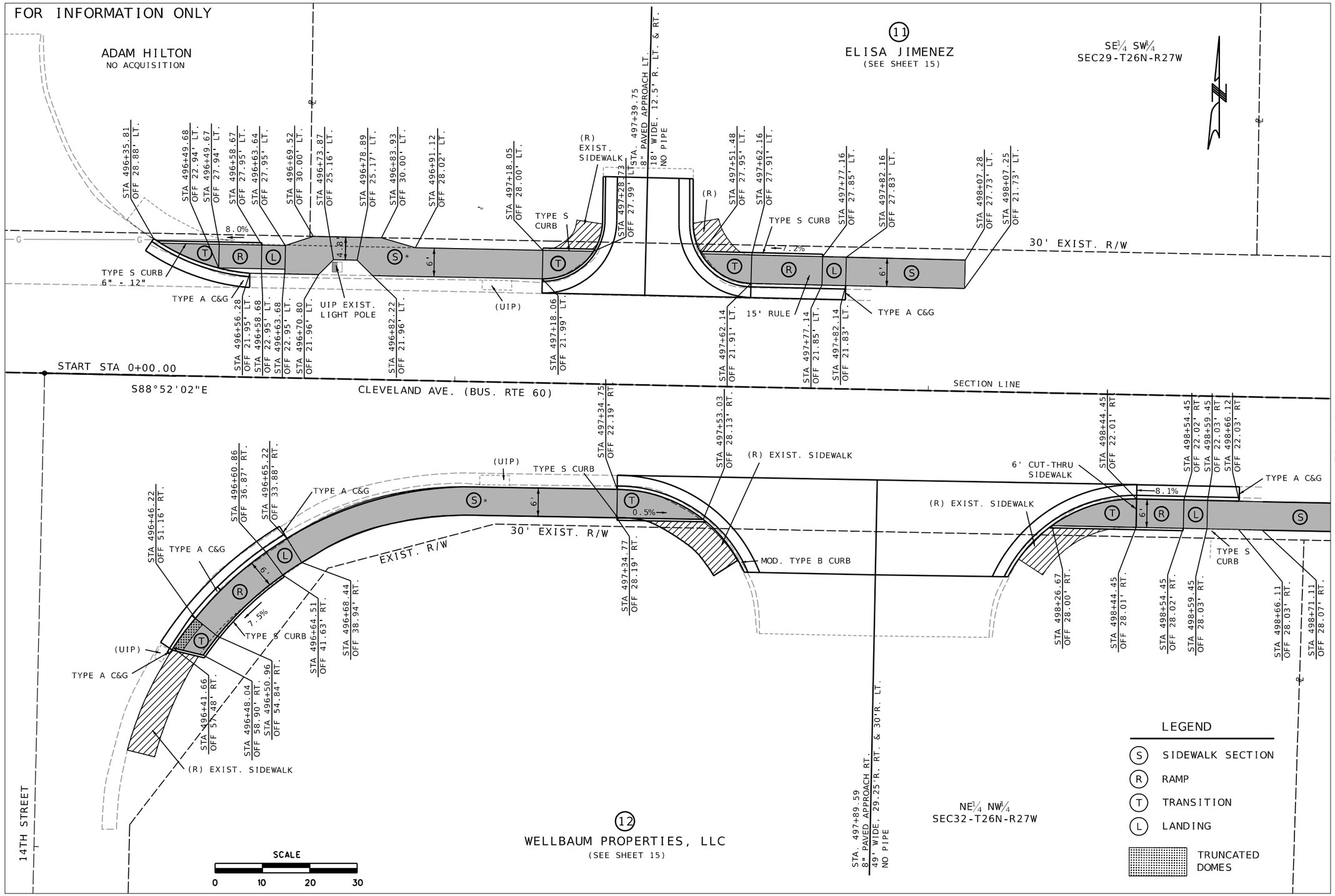

LOCATION 7

BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

SPECIAL SHEET

SHEET 13 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	40
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
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Engineering beyond.

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

FOR INFORMATION ONLY

PLYMOUTH LANDING, L.P.
NO ACQUISITON

SE¼ SW¼
SEC29-T26N-R27W

MATCHLINE - STA 498+85.00

MATCHLINE - STA 501+65.00

STA 498+99.79 OFF 21.67' LT.
STA 498+99.76 OFF 27.67' LT.
STA 499+93.33 OFF 28.90' LT.
STA 499+94.61 OFF 23.04' LT.
(UIP) EXIST. SIDEWALK
UIP ENTRANCE COMPLIANT CROSSING STA. 500+55.57
(UIP) EXIST. SIDEWALK
STA 501+45.00 OFF 21.90' LT.
STA 501+45.00 OFF 27.90' LT.
30' EXIST. R/W
EXIST. R/W
6'
S

SECTION LINE
S88°52'02"E
CLEVELAND AVE. (BUS RTE. 60)

STA 499+17.19 OFF 28.06' RT.
STA 499+18.73 OFF 29.55' RT.
UIP EXIST. LIGHT POLE
UIP EXIST. C&G
STA 500+00.96 OFF 28.17' RT.
STA 500+00.96 OFF 22.18' RT.
STA 500+18.96 OFF 28.17' RT.
STA 500+92.99 OFF 27.95' RT.
STA 501+11.16 OFF 21.94' RT.
(R) EX. PULL BOX
PREFORMED PULL BOX TYPE 2
RELOCATE FLASHER BEHIND SIDEWALK
UIP EXIST. C&G
30' EXIST. R/W
4' MIN.
TYPE S CURB UNDER 6"
(R)
5.0%
(R)
TYPE S CURB UNDER 6"
STA 499+28.73 OFF 29.57' RT.
STA 499+30.18 OFF 28.06' RT.
STA 500+26.89 OFF 37.10' RT.
STA 500+85.01 OFF 36.96' RT.
STA 501+11.16 OFF 27.94' RT.
STA 501+54.27 OFF 27.99' RT.
STA 501+54.27 OFF 29.99' RT.
STA 501+56.27 OFF 29.99' RT.
STA 501+56.27 OFF 27.99' RT.
STA. 500+55.77
8" PAVED APPROACH RT.
53' WIDE
NO PIPE

LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES

SCALE
0 10 20 30

(13)
MCLOUD GAINES PROPERTIES, L.L.C.
(SEE SHEET 16)

NE¼ NW¼
SEC32-T26N-R27W

* SIDEWALK GRADE LESS THAN 5%

LOCATION 7
BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

SPECIAL SHEET
SHEET 14 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	41
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 0062
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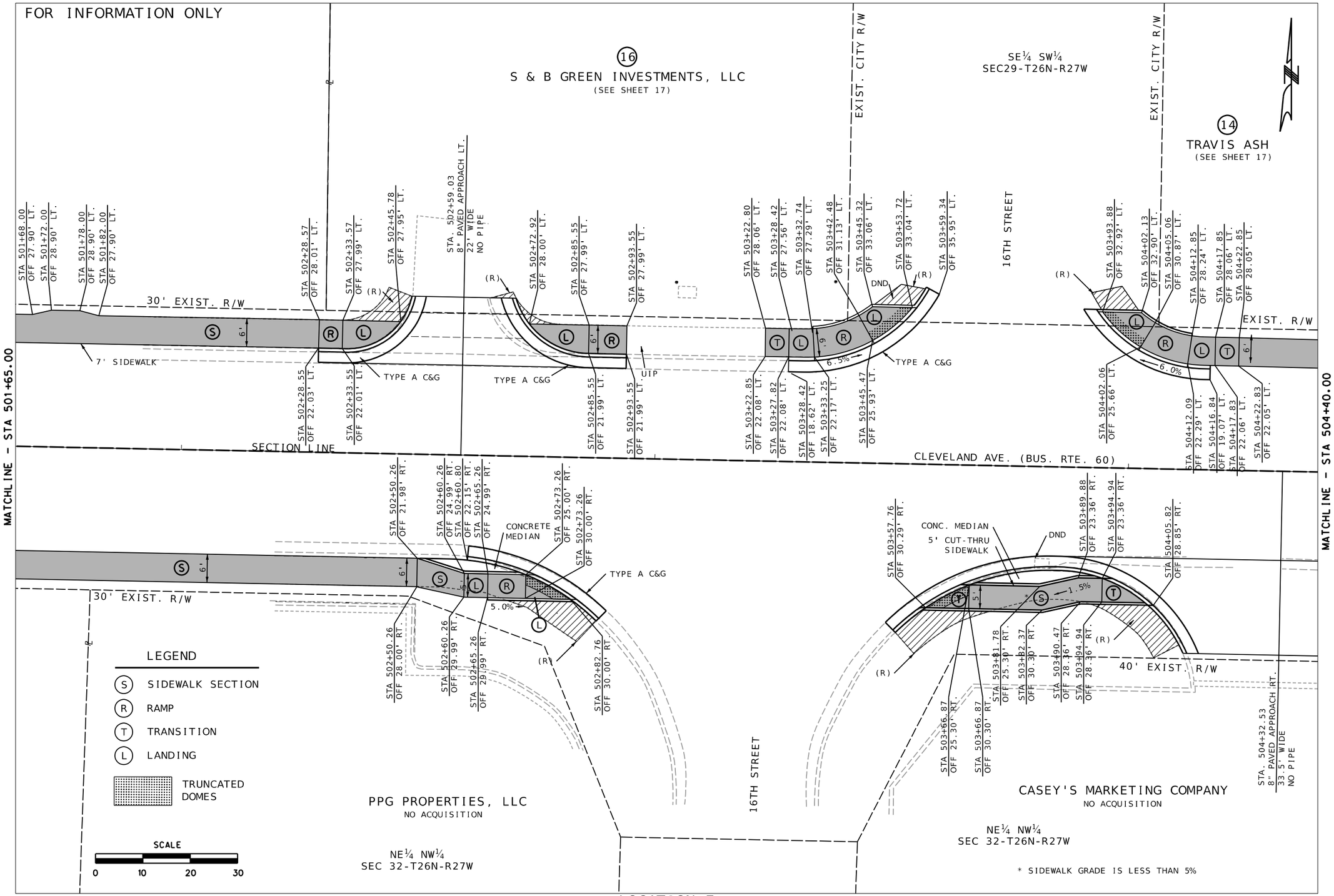
FOR INFORMATION ONLY



LOCATION 7

BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

SPECIAL SHEET
SHEET 15 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	42
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
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417.358.9551
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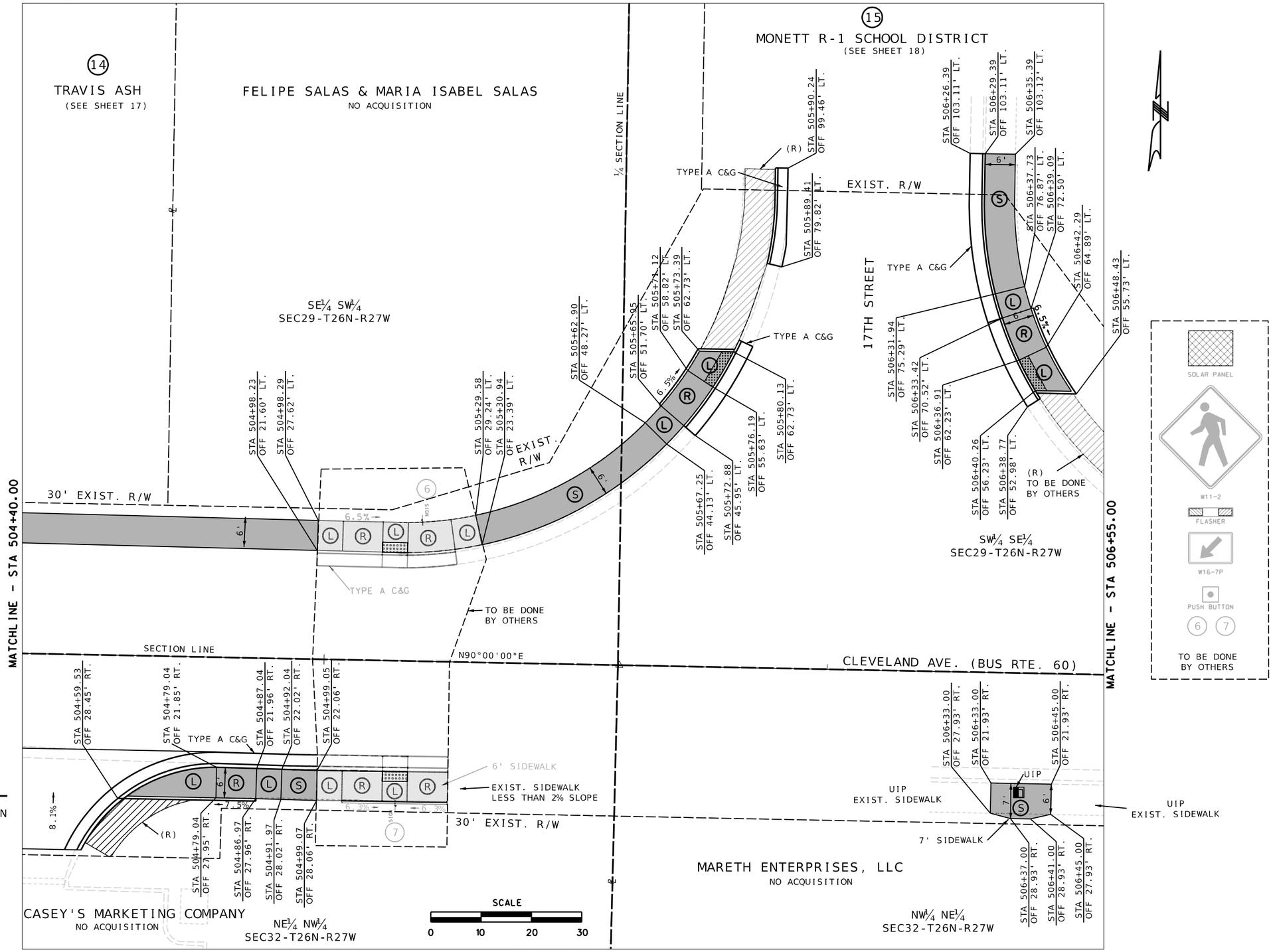
FOR INFORMATION ONLY



LEGEND

- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- TRUNCATED DOMES

LOCATION 7

BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

SPECIAL SHEET
SHEET 16 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	43
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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

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

2215 Fairlawn Dr.
Carthage, MO 64836
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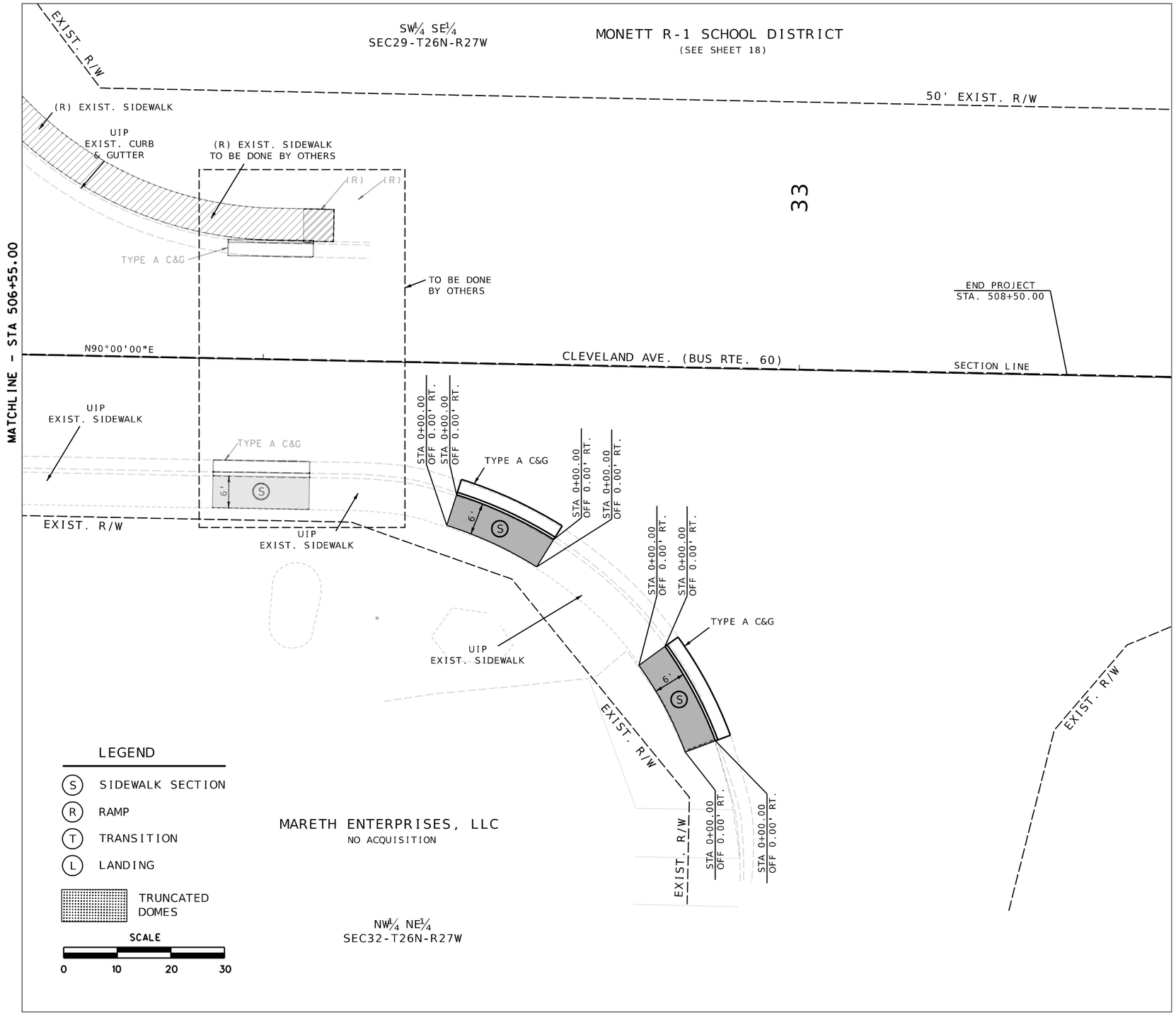

LOCATION 7
BUSINESS 60 (CLEVELAND AVE.)/13TH ST. - 17TH ST.

SPECIAL SHEET
SHEET 17 OF 17

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/19/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	44
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9951
COA# 00062
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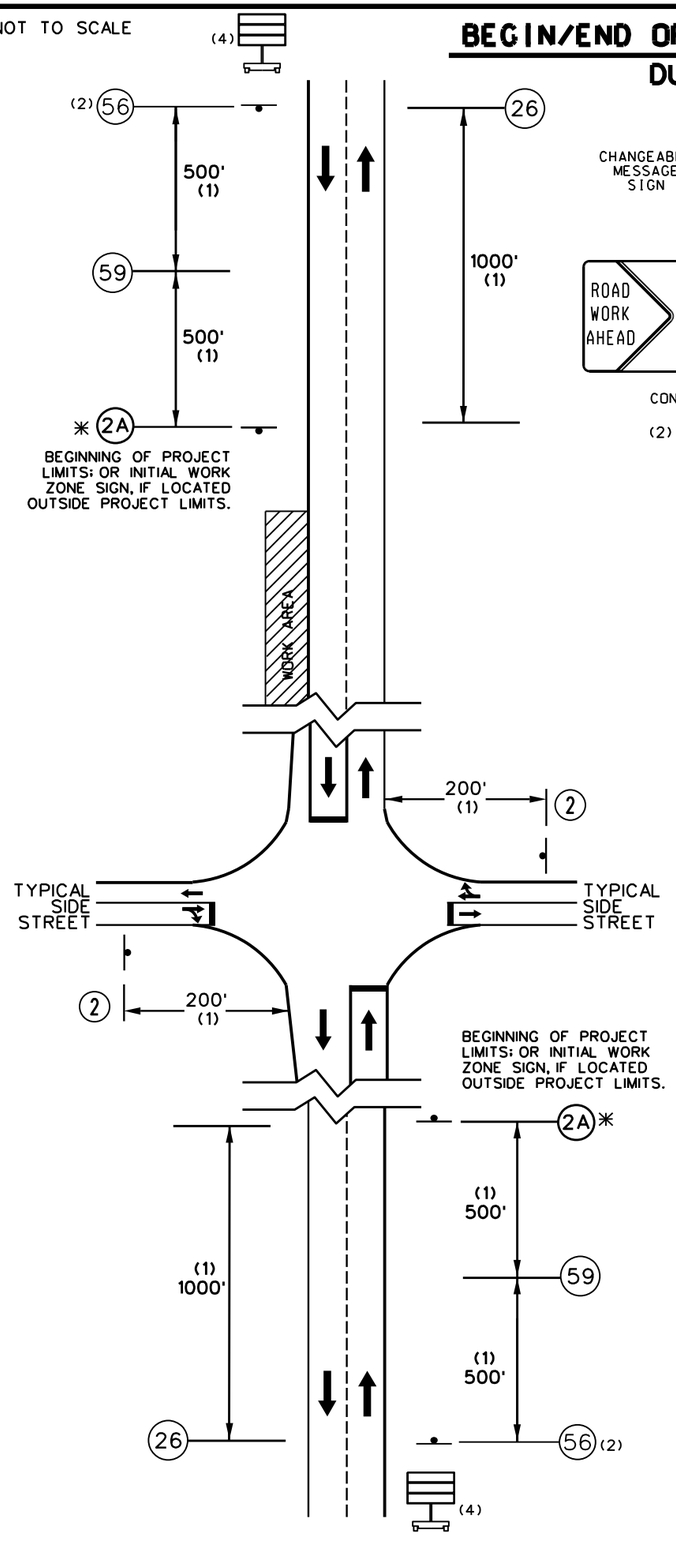
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

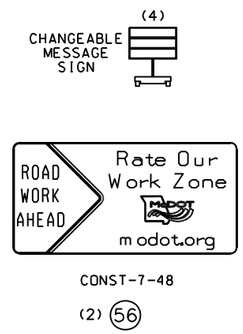
NOT TO SCALE

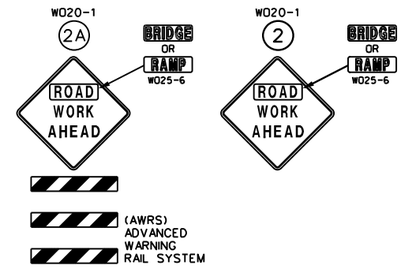
BEGIN/END OF PROJECT SIGNING

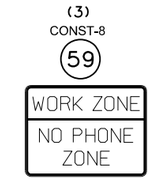
DUAL-LANE

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









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

SIGN SPACING FOR ADVANCE SIGN SERIES

SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

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

GENERAL NOTES:

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

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) THE "RATE OUR WORK ZONE" SIGN IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS, THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN. IF USED, THIS SIGN WILL BE OUTSIDE OF THE PROJECT LIMITS.

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

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

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

TRAFFIC CONTROL
SHEET 1 OF 3

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	45
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

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

2215 Fairlawn Dr
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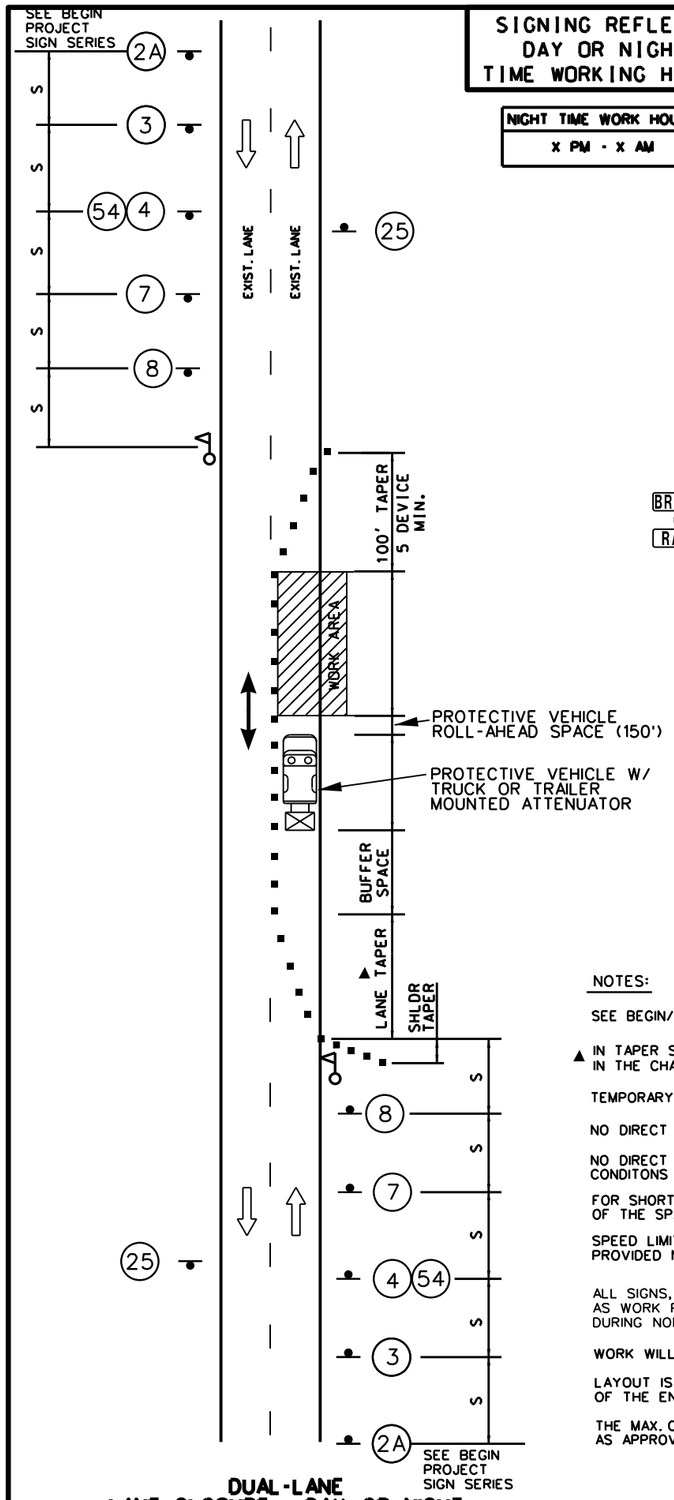
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

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

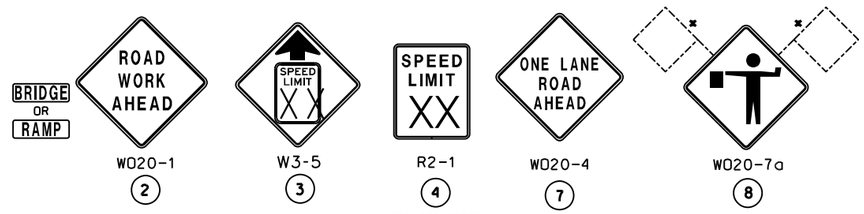
SIGNING REFLECTS DAY OR NIGHT TIME WORKING HOURS

NIGHT TIME WORK HOURS
x PM - x AM

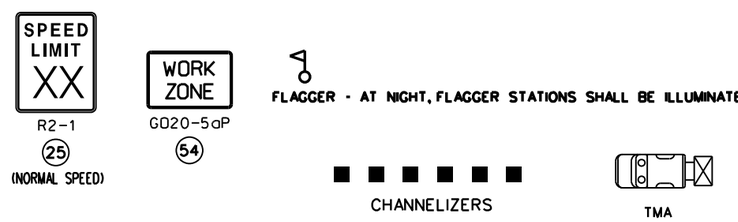


DUAL-LANE LANE CLOSURE - DAY OR NIGHT

NOT TO SCALE



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



NOTES:

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

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

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

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

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

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

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

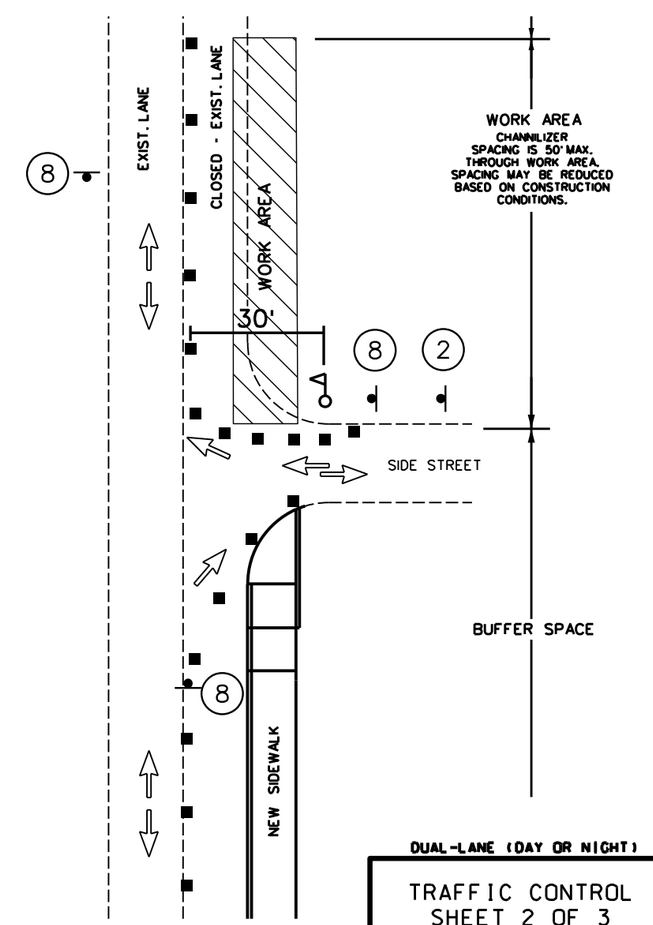
ALL SIGNS, EXCEPT "RATE OUR WORK ZONE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY ENGINEER.

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

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

SIDE STREET FLAGGING DETAIL



NOT TO SCALE

DUAL-LANE (DAY OR NIGHT)

TRAFFIC CONTROL SHEET 2 OF 3

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	46
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

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

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

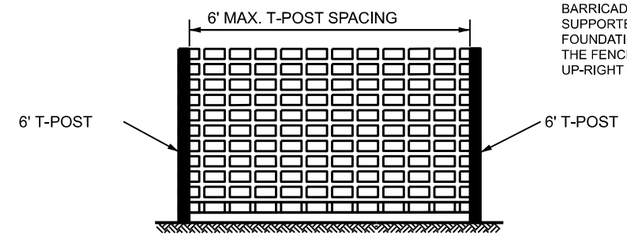
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN Engineering beyond.™

REVISED: 11-19-2018

NOTES:

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

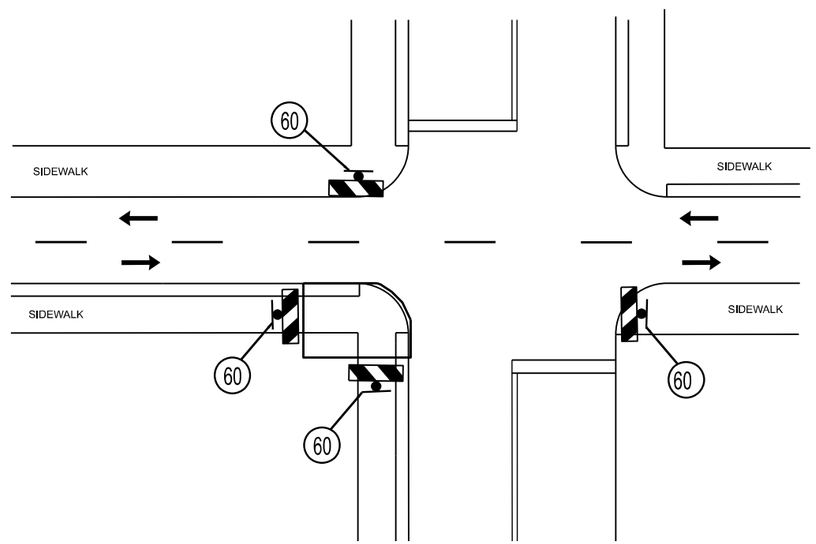
ORANGE PLASTIC SAFETY FENCE



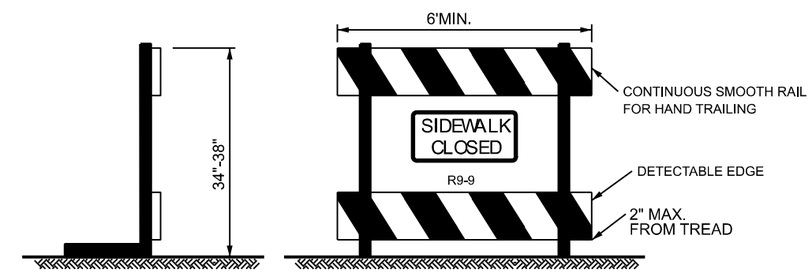
NO DIRECT PAY.
PLASTIC SAFETY NETTING USED FOR BARRICADE FENCING SHALL BE SUPPORTED WITH T-POST, ADEQUATE FOUNDATIONS, AND BALLAST SO THAT THE FENCE REMAINS TAUT AND IN AN UP-RIGHT POSITION.

DUAL-LANE TYPICAL SIDEWALK CLOSURE

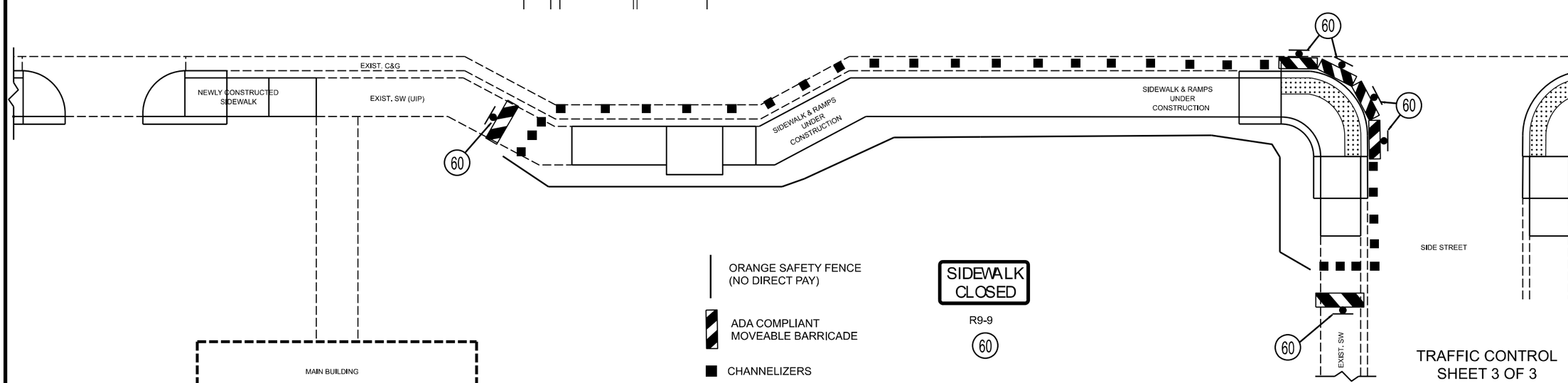
NOT TO SCALE



ADA COMPLIANT MOVEABLE BARRICADE



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



TRAFFIC CONTROL
SHEET 3 OF 3

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	47
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

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

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.™

REVISED: 11-18-2021

NOTES:

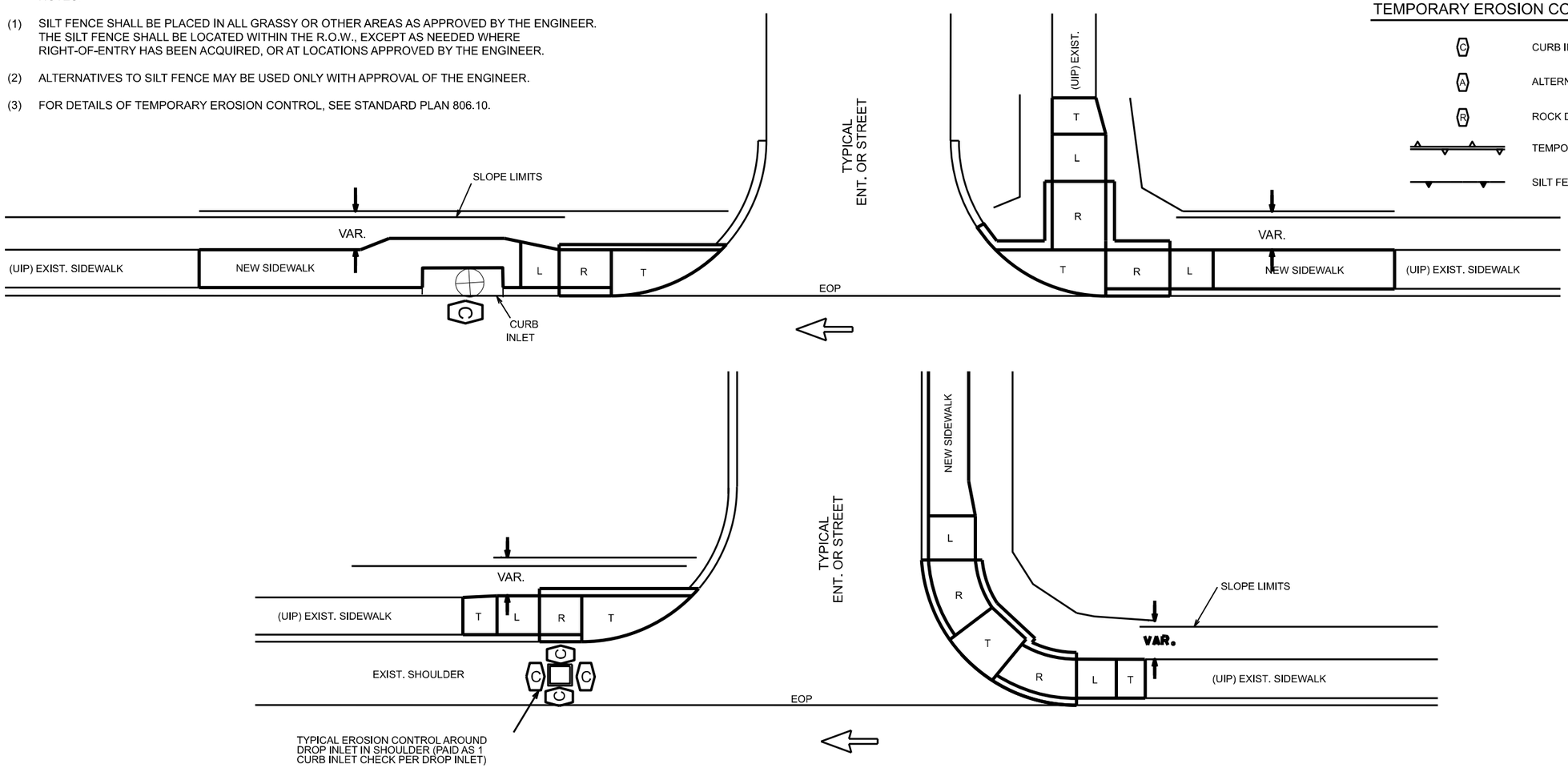
(1) SILT FENCE SHALL BE PLACED IN ALL GRASSY OR OTHER AREAS AS APPROVED BY THE ENGINEER. THE SILT FENCE SHALL BE LOCATED WITHIN THE R.O.W., EXCEPT AS NEEDED WHERE RIGHT-OF-ENTRY HAS BEEN ACQUIRED, OR AT LOCATIONS APPROVED BY THE ENGINEER.

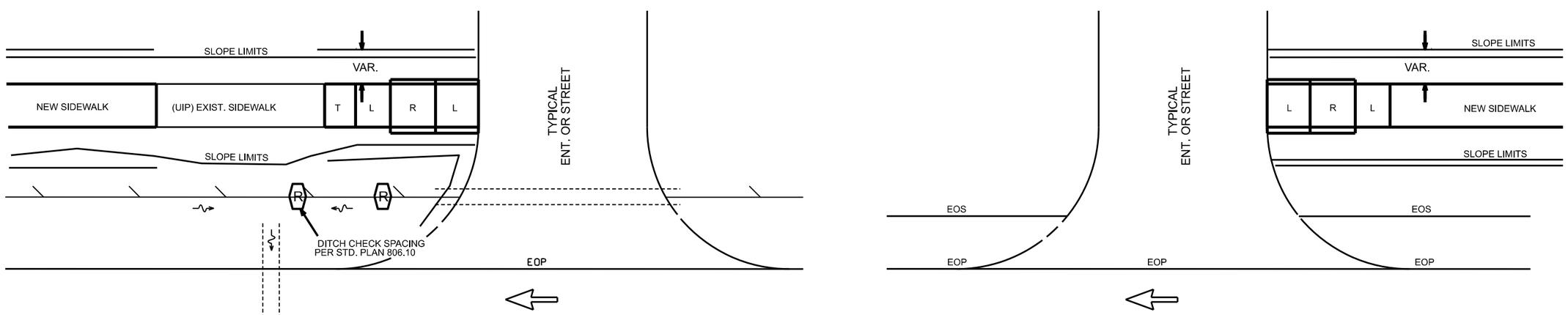
(2) ALTERNATIVES TO SILT FENCE MAY BE USED ONLY WITH APPROVAL OF THE ENGINEER.

(3) FOR DETAILS OF TEMPORARY EROSION CONTROL, SEE STANDARD PLAN 806.10.

TEMPORARY EROSION CONTROL LEGEND

- C — CURB INLET CHECK
- A — ALTERNATE CHECK
- R — ROCK DITCH CHECK
- TEMPORARY BERM
- SILT FENCE





NOT TO SCALE

TYPICAL EROSION CONTROL APPLICATIONS
FOR NEW CURB RAMP & SIDEWALK CONSTRUCTION

EROSION CONTROL SHEET
SHEET 1 OF 1

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	48
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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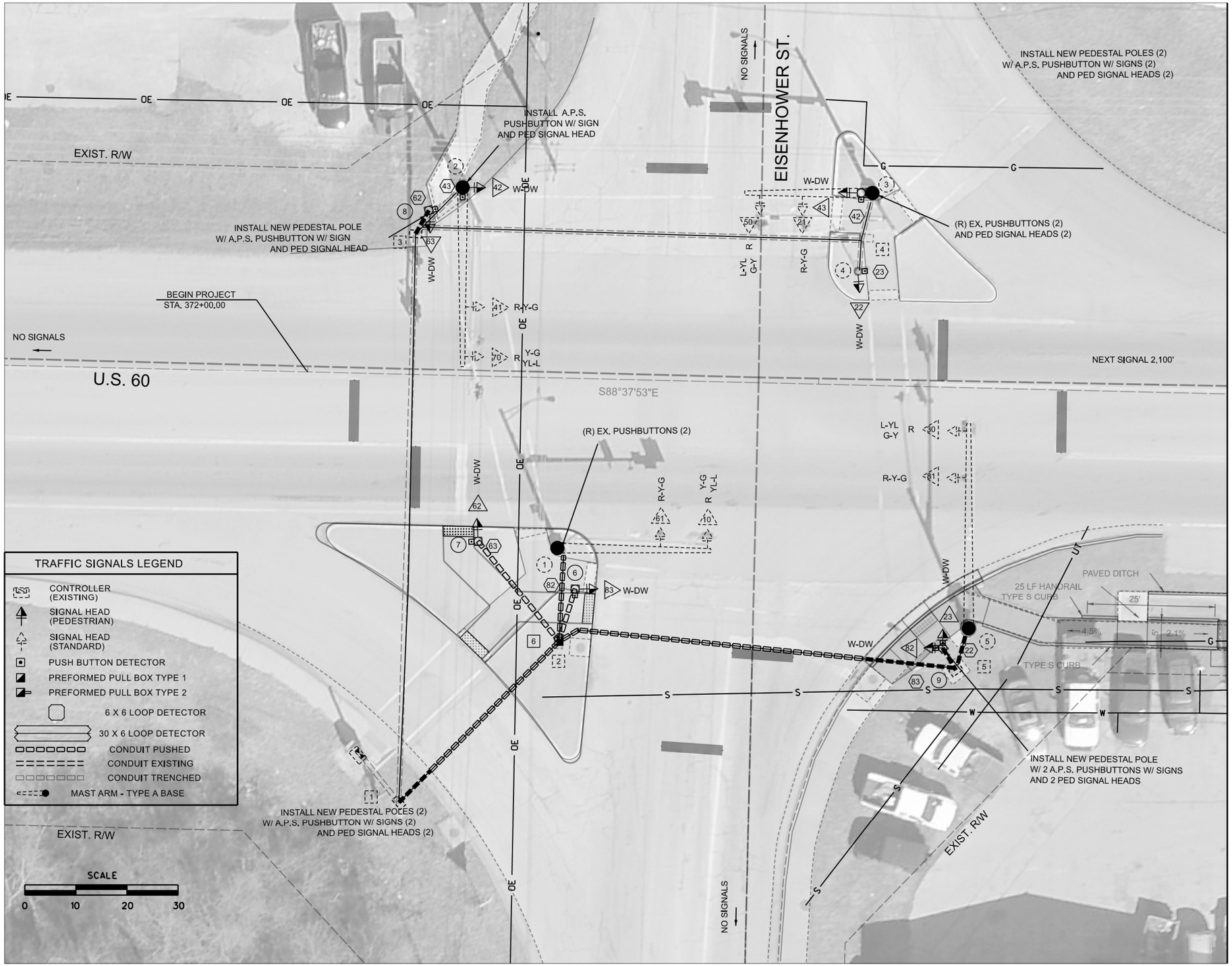

LOCATION 1
ROUTE 60/EISENHOWER ST.

SIGNAL PLANS
SHEET 1 OF 24

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	49
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

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Engineering beyond.™

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION APPROACH	STATION	OFFSET	BASE A 9	A 9.5	A 10	A 10.5	A 11	A 12	BASE F 9	F 9.5	F 10	F 10.5	F 11	F 12	C	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED CLASS 1	CLASS 2	CLASS 3	CLASS 5	CONCRETE STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE* I	II A	II B	II C	TOP MOUNT POST 8 FT.	15 FT.
			CONTROLLER	(AS REQ'D)																											
1			USE EXISTING SIGNAL POST																												
2			USE EXISTING SIGNAL POST																												
3			USE EXISTING SIGNAL POST																												
4			USE EXISTING SIGNAL POST																												
5			USE EXISTING SIGNAL POST																												
6		SW CORNER	372+53.33	41.06													1	0.44												1	
7		SW CORNER	372+34.12	32.22													1	0.44												1	
8		NW CORNER	372+22.95	32.24													1	0.44												1	
9		SE CORNER	373+25.51	50.95													1	0.44												1	
·	1		USE EXISTING PULL BOX																												
·	3		USE EXISTING PULL BOX																												
·	4		USE EXISTING PULL BOX																												
·	5		USE EXISTING PULL BOX																												
·	6	SW CORNER	372+50.42	51.46																1							1				
·	7		501+58.27	28.45																											
				SUBTOTAL														1.76		1										4	
				TOTAL														1.76		1										4	

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	12" LENS CONVENTIONAL R	Y	YL	YRt	FYL	FYR	G	S	L	Rt	🚶	12" LENS OPTICAL LIMITING R	Y	YL	YRt	YL	YRt	G	S	L	Rt	VISORS* 12" LENS	PED.	LOUVERS* A	B	C	D	E	F	BACKPLATE* LENSES 1	2	3	4	5	LENSES 1	2	3	4	5	BRACKET* TYPE I	II	III	ONE-FACE SECTION 1- T	S	C	B
	1	61		EXISTING																																														
	1	10		EXISTING																																														
	2	41		EXISTING																																														
	2	70		EXISTING																																														
	2	42												1												1																		1				1		
	3	21		EXISTING																																														
	3	50		EXISTING																																														
	3	43												1												1																		1				1		
	4	22												1												1																		1				1		
	5	81		EXISTING																																														
	5	30		EXISTING																																														
	6	83												1												1																		1				1		
	7	62												1												1																		1				1		
	8	63												1												1																		1				1		
	9	23												1												1																		1				1		
	9	82												1												1																		1				1		

SUBTOTAL
TOTAL

Two-face sections: 11-, 33-, 34-, 35-, 44-, 45-

	ONE-FACE 1- T	S	C	B
SUBTOTAL OPTICALLY LIMITED				
SUBTOTAL CONVENTIONAL		8		
SUBTOTAL COMBINATION OL & CONV				
TOTAL OPTICALLY LIMITED				
TOTAL CONVENTIONAL		8		
TOTAL COMBINATION OL & CONV				

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.

LOCATION 1 - ROUTE 60/EISENHOWER ST.
INTERSECTION

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

SIGNAL PLANS
SHEET 2 OF 24

D-37A

SEAN L. MATLOCK
NUMBER E-27133
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

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

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	50
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9951
COA# 00062
weareown.com
Engineering beyond.™

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
1	6	45			8				35								
6	6	11							12								
6	7	26							27								
6	1	19							22								
6	5	79			17				60								
3	8	6			7												
5	5	9			12												
5	9	5			6												
SUBTOTALS					50				156								
TOTALS					50				156								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
	82	68			97											
	83	68				98										
	63	82			111											
	62	82				112										
	62	129			158											
	63	129				159										
	43	136			165											
	42	136				166										
	42	221			256											
	43	221				257										
	23	218			253											
	22	218				254										
	22	144			179											
	23	144				180										
	83	141			176											
	82	141				177										
	61	96					131									
	10	105					140									
	81	174					221									
	30	183					230									
	1	75								134						
	5	144								215						
SUBTOTALS					1395	1403	722			349						
TOTALS					1400	1400	720			350						SIGNAL PLANS SHEET 3 OF 24

INTERSECTION LOCATION 1 - ROUTE 60/EISENHOWER ST. D-37B

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024

ROUTE	STATE
60,37,B60	MO

DISTRICT	SHEET NO.
SW	51

COUNTY: BARRY/LAWRENCE
JOB NO.: J7S3472
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9951
COA# 00062
weareown.com
OWN
Engineering beyond.™

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

EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
SW CORNER	372+15.71	82.12'	Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

** POWER SUPPLY IS EXISTING

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
SW CORNER	372+11.99	74.29'																				

* CONTROLLER ASSEMBLY IS EXISTING

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE					
		PUSH BUTTON		INDUCTION LOOP (2)			VIDEO
		STANDARD	APS	STANDARD	DELAY/ EXTEND *	CALL UNIT *	
10				EXISTING	DETECTOR		
61				EXISTING	DETECTOR		
82			1				
83			1				
62			1				
63			1				
70				EXISTING	DETECTOR		
41				EXISTING	DETECTOR		
42			1				
43			1				
50				EXISTING	DETECTOR		
21				EXISTING	DETECTOR		
22			1				
23			1				
30				EXISTING	DETECTOR		
81				EXISTING	DETECTOR		
TOTAL			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 WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

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

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
4	R10-3EL	9 X 15	0.9	3.6	4
4	R10-3ER	9 X 15	0.9	3.6	4
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	7.2	8
			TOTAL	7.2	8

SIGNAL PLANS
SHEET 4 OF 24

LOCATION 1 - ROUTE 60/EISENHOWER ST.
INTERSECTION

D-37C

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

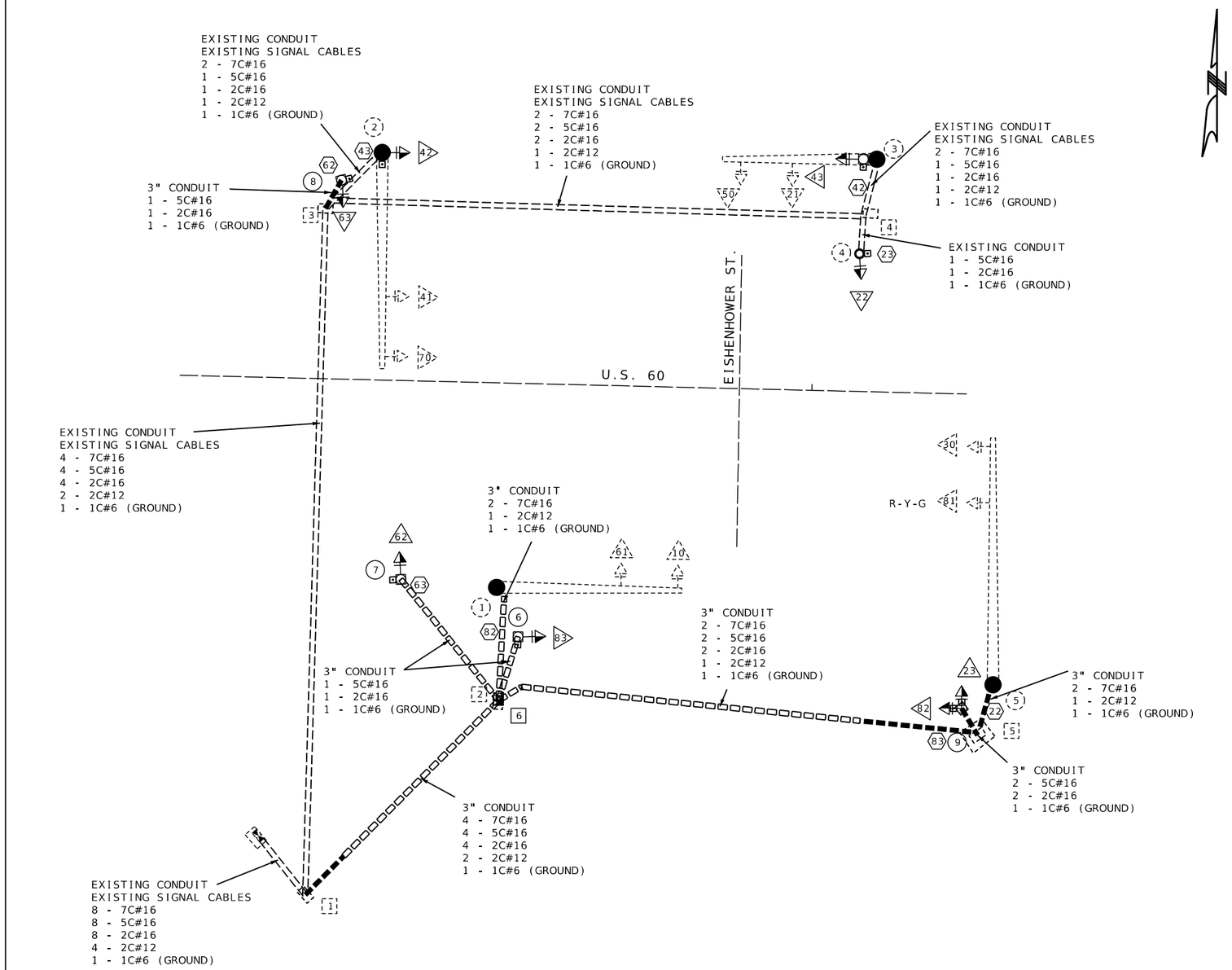
DATE PREPARED 1/29/2024
ROUTE 60,37,B60 | STATE MO
DISTRICT SW | SHEET NO. 52
COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

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

EFFECTIVE 12-01-17



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
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

LOCATION 1 - ROUTE 60/EISENHOWER ST.

INTERSECTION

SIGNAL PLANS
SHEET 5 OF 24

D-37D

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
1/29/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	53

COUNTY
BARRY/LAWRENCE

JOB NO.
J7S3472

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

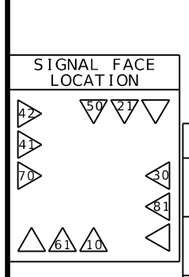
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.™

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

EFFECTIVE 12/01/2017

SIGNAL FACE LOCATION

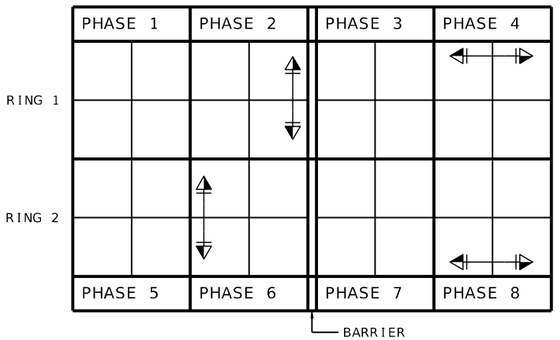


** USE EXISTING PHASING

TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PED Ø 4 OVERLAP	PED Ø 8 OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP	
FACE NUMBERS									22 23	42 43	62 63	82 83	FACE NUMBERS
SIGNAL INDICATIONS R									DW	DW	DW	DW	R
SIGNAL INDICATIONS Y													Y
SIGNAL INDICATIONS FYA									FDW	FDW	FDW	FDW	FYA
SIGNAL INDICATIONS G									W	W	W	W	G
DETECTOR ASSIGNMENTS													DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									22 23	42 43	62 63	82 83	
OVERLAP PARENT PHASES													

** USE EXISTING PHASING



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

FLASHING OPERATION	
**	FR
	FY

CONTROLLER TYPE	**

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
LOCATION 1 - ROUTE 60
WITH EISENHOWER ST.

SIGNAL PLANS
SHEET 6 OF 24

D-38A

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/3/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	54
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

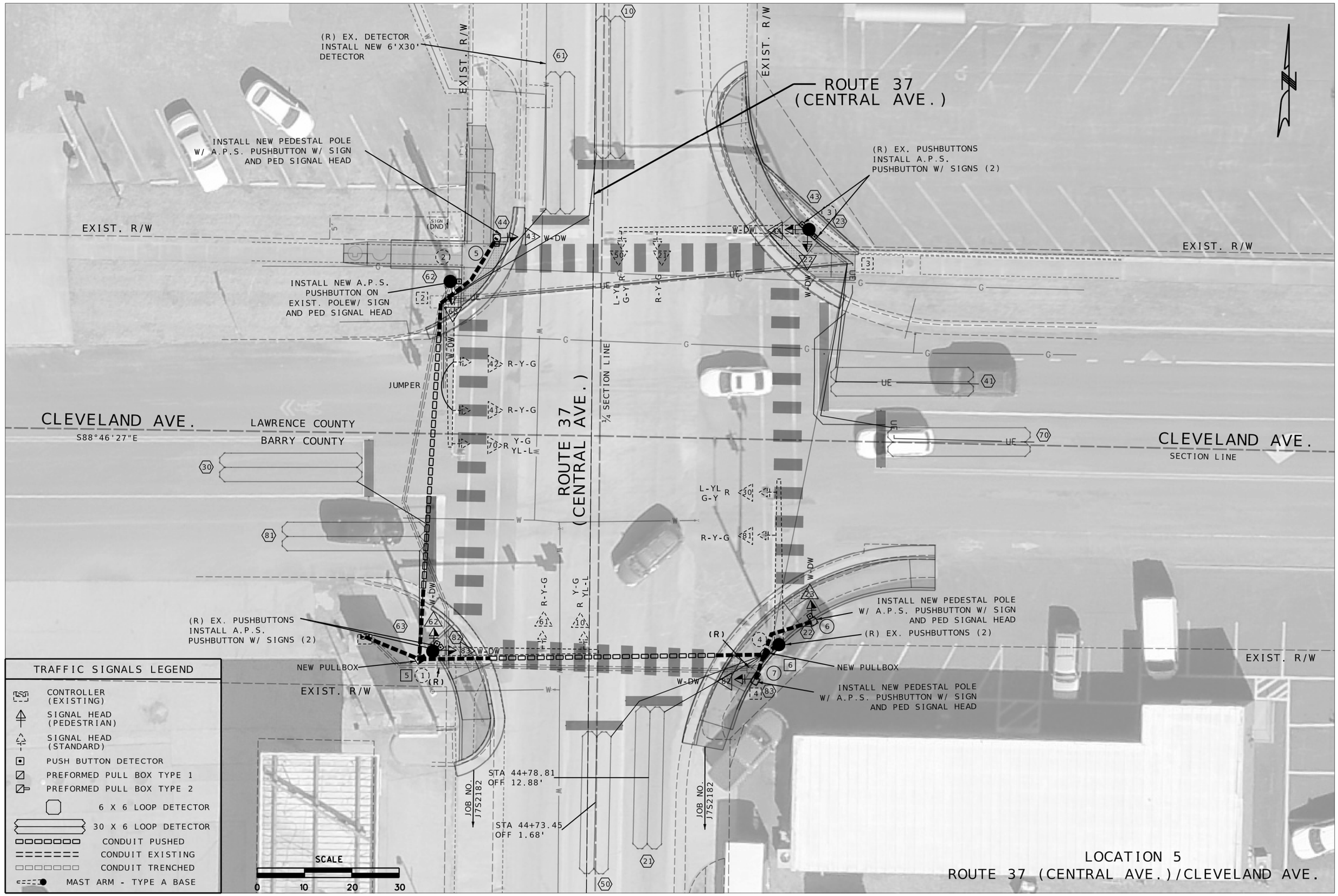
DESCRIPTION

DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.™

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



SIGNAL PLANS
SHEET 7 OF 24

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	55
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.™

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

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASE A 9	A 9.5	A 10	A 10.5	A 11	A 12	F 9	F 9.5	F 10	F 10.5	F 11	F 12	C	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED CLASS 1	CLASS 2	CLASS 3	CLASS 5	CONCRETE STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE* I	II A	II B	II C
			CONTROLLER	(AS REQ'D)																									
1			USE EXISTING	SIGNAL POST																									
2			USE EXISTING	SIGNAL POST																									
3			USE EXISTING	SIGNAL POST																									
4			USE EXISTING	SIGNAL POST																									
5		NW CORNER	45+92.52	20.43													1	0.44											
6		SE CORNER	45+12.23	47.28													1	0.44											
7		SE CORNER	44+99.59	35.16													1	0.44											
	2		USE EXISTING	PULL BOX																									
	3		USE EXISTING	PULL BOX																									
	4		USE EXISTING	PULL BOX																									
	5	SW CORNER	45+03.36	35.85																1							1		
	6	SE CORNER	45+05.11	36.93																1							1		
SUBTOTAL																		1.32		2									
TOTAL																		1.32		2									

POST NUMBER	PULL BOX NUMBER	POST TOP MOUNT POST 8 FT.	15 FT.	TYPE C & CL ARM LENGTH A	A	A	A	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'	TYPE B & BL ARM LENGTH E	K	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	LEFT ARM E SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	RIGHT ARM K SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
1																																												
2																																												
3																																												
4																																												
5		1																																										
6		1																																										
7		1																																										
	2																																											
	3																																											
	4																																											
	5																																											
	6																																											
SUBTOTAL		3																																										
TOTAL		3																																										

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS * 12" LENS CONVENTIONAL R	Y	YL	YRt	FYL	FYR	G	S	L	Rt	✋🚶	12" LENS OPTICAL LIMITING R	Y	YL	YRt	YL	YRt	G	S	L	Rt	VISORS * 12" LENS	PED.
	1	61		EXISTING																						
	1	62												1												1
	1	10		EXISTING																						
	1	83												1												1
	2	70		EXISTING																						
	2	41		EXISTING																						
	2	42		EXISTING																						
	2	63												1												1
	3	50		EXISTING																						
	3	21		EXISTING																						
	3	22												1												1
	3	44												1												1
	4	30		EXISTING																						
	4	81		EXISTING																						
	5	43												1												1
	6	23												1												1
	7	82												1												1
SUBTOTAL																										
TOTAL																										

SPAN NUMBER	POST NUMBER	FACE NUMBER	LOUVERS * A	B	C	D	E	F	BACKPLATE* LENSES 1	2	3	4	5	RETROREFLECTIVE BACKPLATE* LENSES 1	2	3	4	5	BRACKET* TYPE I	II	III
	1	61																			
	1	62																	1		
	1	10																			
	1	83																	1		
	2	70																			
	2	41																			
	2	42																			
	2	63																	1		
	3	50																			
	3	21																			
	3	22																	1		
	3	44																	1		
	4	30																			
	4	81																			
	5	43																	1		
	6	23																	1		
	7	82																	1		

SPAN NUMBER	POST NUMBER	FACE NUMBER	ONE-FACE SECTION 1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	TWO-FACE SECTIONS 11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
	1	61																															
	1	62		1																													
	1	10																															
	1	83		1																													
	2	70																															
	2	41																															
	2	42																															
	2	63		1																													
	3	50																															
	3	21																															
	3	22		1																													
	3	44		1																													
	4	30																															
	4	81																															
	5	43		1																													
	6	23		1																													
	7	82		1																													
SUBTOTAL OPTICALLY LIMITED																																	
SUBTOTAL CONVENTIONAL				8																													
SUBTOTAL COMBINATION OL & CONV																																	
TOTAL OPTICALLY LIMITED																																	
TOTAL CONVENTIONAL				8																													
TOTAL COMBINATION OL & CONV																																	

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.

LOCATION 5 - ROUTE 37 (CENTRAL AVE.)/CLEVELAND AVE.

INTERSECTION

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

SIGNAL PLANS
SHEET 8 OF 24

D-37A

SEAN L. MATLOCK
NUMBER E-27133
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	56
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.™

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

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH 1"	TRENCH 2"	TRENCH 3"	TRENCH 4"		PUSHED 2"	PUSHED 3"	PUSHED 4"	MEDIAN 2"	MEDIAN 3"	MEDIAN 4"	ON STRUCTURE 2"	ON STRUCTURE 3"		REMARKS
	5	13			32													2 - 3" CONDUIT
5	1	4			7													
5	2	76			20					54								
5	6	73			23					48								
2	5	19			22													
6	4	4			7													
6	6	14			17													
6	7	6			9													
SUBTOTALS					137					102								
TOTALS					137					102								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL 2c #16	CONTROL 5c #16	CONTROL 7c #16	CONTROL 3c #16	CLOSED LOOP INTERCONNECT 3 PAIR #16	LUMINAIRE CONTROL 2c #12	LUMINAIRE POLE & BRACKET 1c #10	DETECTOR 1c #14 IN DUCT	DETECTOR 2c #14 LEAD-IN CABLE	FIBER SINGLE-MODE	FIBER MULTI-MODE	REMARKS
	82	16			39											
	83	16				40										
	63	16			39											
	62	16				40										
	62	93			122											
	63	93				123										
	44	107			136											
	43	107				137										
	43	185			220											
	44	185				221										
	23	185			220											
	22	185				221										
	22	99			128											
	23	99				129										
	83	91			120											
	82	91				121										
	5	13											24			
5	81	23										316				
	5	13											24			
5	30	46										362				
	2	88											105			
2	10	50										370				
	2	88											105			
2	61	31										332				
	3	174											197			
3	41	23										316				
	3	174											197			
3	70	49										368				
	6	86											103			
6	21	25										320				
	6	86											103			
6	50	38										346				
	61	39					66									
	10	48					75									
	42	110					155									INCLUDES JUMPER
	70	127					160									
	81	112					145									
	30	122					155									
	21	217					256									
	50	225					264									
	1	16								75						
	2	93								158						
	3	185								256						
	4	189								254						
SUBTOTALS					1024	1032	1276			743		2730	858			SIGNAL PLANS
TOTALS					1020	1030	1280			740		2730	860			SHEET 9 OF 24

INTERSECTION LOCATION 5 - ROUTE 37 (CENTRAL AVE.)/CLEVELAND AVE. D-37B

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT SW	SHEET NO. 57

COUNTY BARRY/LAWRENCE

JOB NO. J7S3472

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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN Engineering beyond.™

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

EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*					LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT						
							MAIN BREAKER						
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
SW CORNER			Type		1-5 Amps	Amps	Amps	Amps			Amps	Cl. Ft.	
			Type		1-5 Amps	Amps	Amps	Amps			Amps	Cl. Ft.	

** POWER SUPPLY IS EXISTING

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
SW CORNER	45+07.95	47.36'																				

* CONTROLLER ASSEMBLY IS EXISTING

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		APS PUSH BUTTON	INDUCTION LOOP (2)			VIDEO
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
10			EXISTING	DETECTOR		
61			EXISTING	DETECTOR		
62		1				
63		1				
62		1				
63		1				
70			EXISTING	DETECTOR		
41			EXISTING	DETECTOR		
42		1				
43		1				
50			EXISTING	DETECTOR		
21			EXISTING	DETECTOR		
22		1				
23		1				
30			EXISTING	DETECTOR		
81			EXISTING	DETECTOR		
	TOTAL	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 WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

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

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
4	R10-3EL	9 X 15	0.9	3.6	4
4	R10-3ER	9 X 15	0.9	3.6	4
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	7.2	8
			TOTAL	7.2	8

SIGNAL PLANS
SHEET 10 OF 24

ROUTE 37 (CENTRAL AVE.)/CLEVELAND AVE.
INTERSECTION

D-37C

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

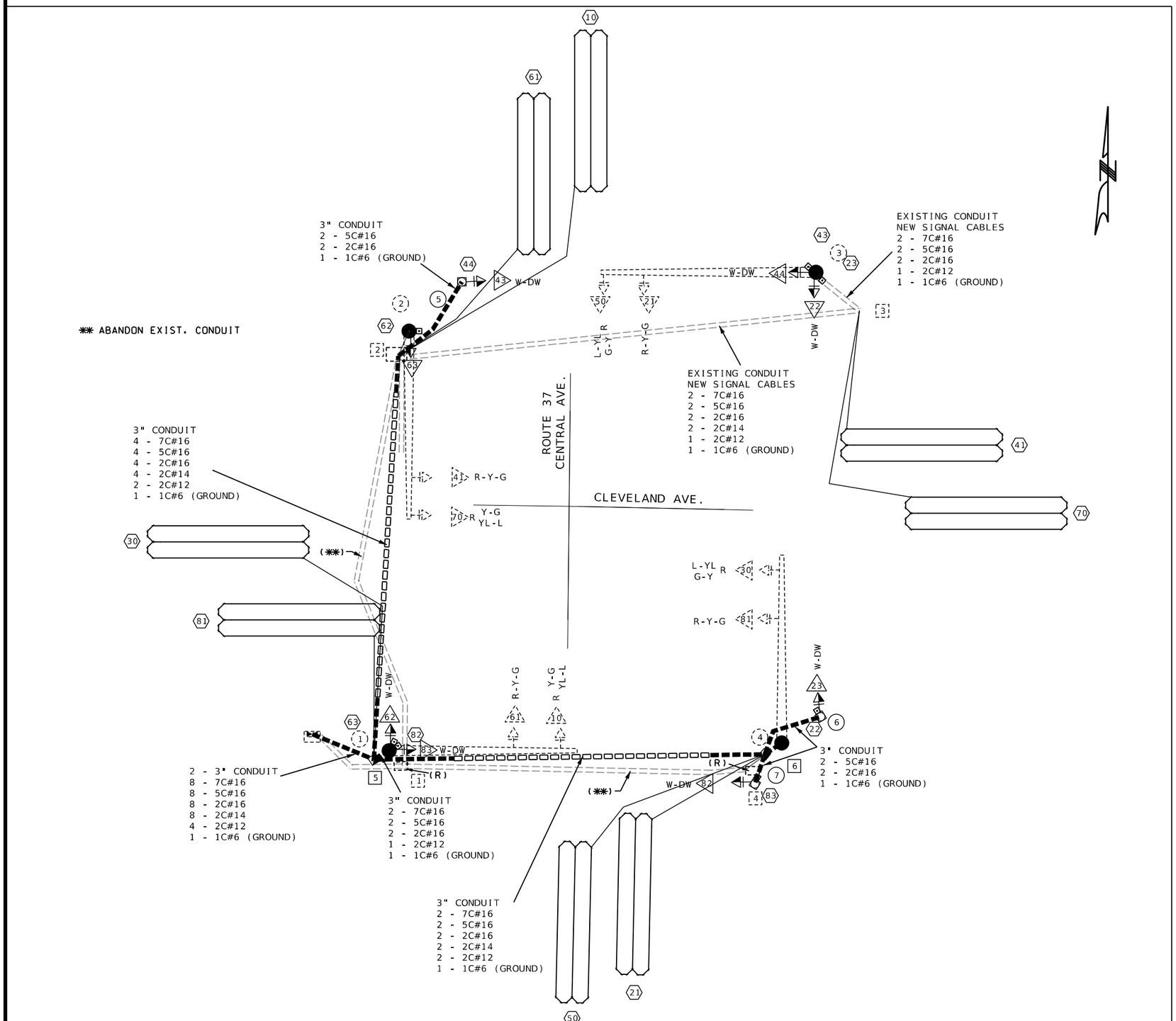
DATE PREPARED 1/29/2024
ROUTE 60,37,B60 | STATE MO
DISTRICT SW | SHEET NO. 58
COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

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

EFFECTIVE 12-01-17



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
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

LOCATION 5 - ROUTE 37 (CENTRAL AVE.)/CLEVELAND AVE.

INTERSECTION SIGNAL PLANS
SHEET 11 OF 24

D-37D

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	59

COUNTY BARRY/LAWRENCE

JOB NO. J7S3472

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

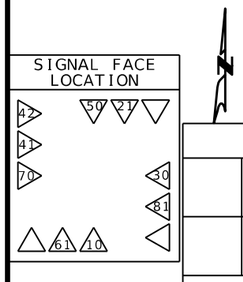
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.™

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

EFFECTIVE 12/01/2017

SIGNAL FACE LOCATION

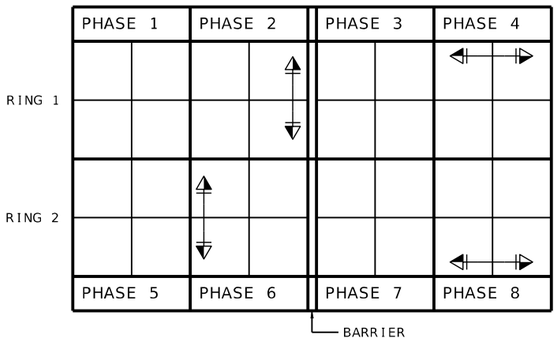


** USE EXISTING PHASING

TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PED Ø 4 OVERLAP	PED Ø 8 OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP	
FACE NUMBERS									22 23	43 44	62 63	82 83	FACE NUMBERS
SIGNAL INDICATIONS R									DW	DW	DW	DW	R
SIGNAL INDICATIONS Y													Y
SIGNAL INDICATIONS FYA									FDW	FDW	FDW	FDW	FYA
SIGNAL INDICATIONS G									W	W	W	W	G
DETECTOR ASSIGNMENTS													DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									22 23	43 44	62 63	82 83	
OVERLAP PARENT PHASES													

** USE EXISTING PHASING



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

FLASHING OPERATION	
**	FR
	FY

CONTROLLER TYPE	**

TRAFFIC SIGNAL CONTROL OPERATION
INTERSECTION OF LOCATION 1 - ROUTE 60 WITH EISENHOWER ST.

SIGNAL PLANS
SHEET 12 OF 24

D-38A

STATE OF MISSOURI
SEAN L MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	60
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

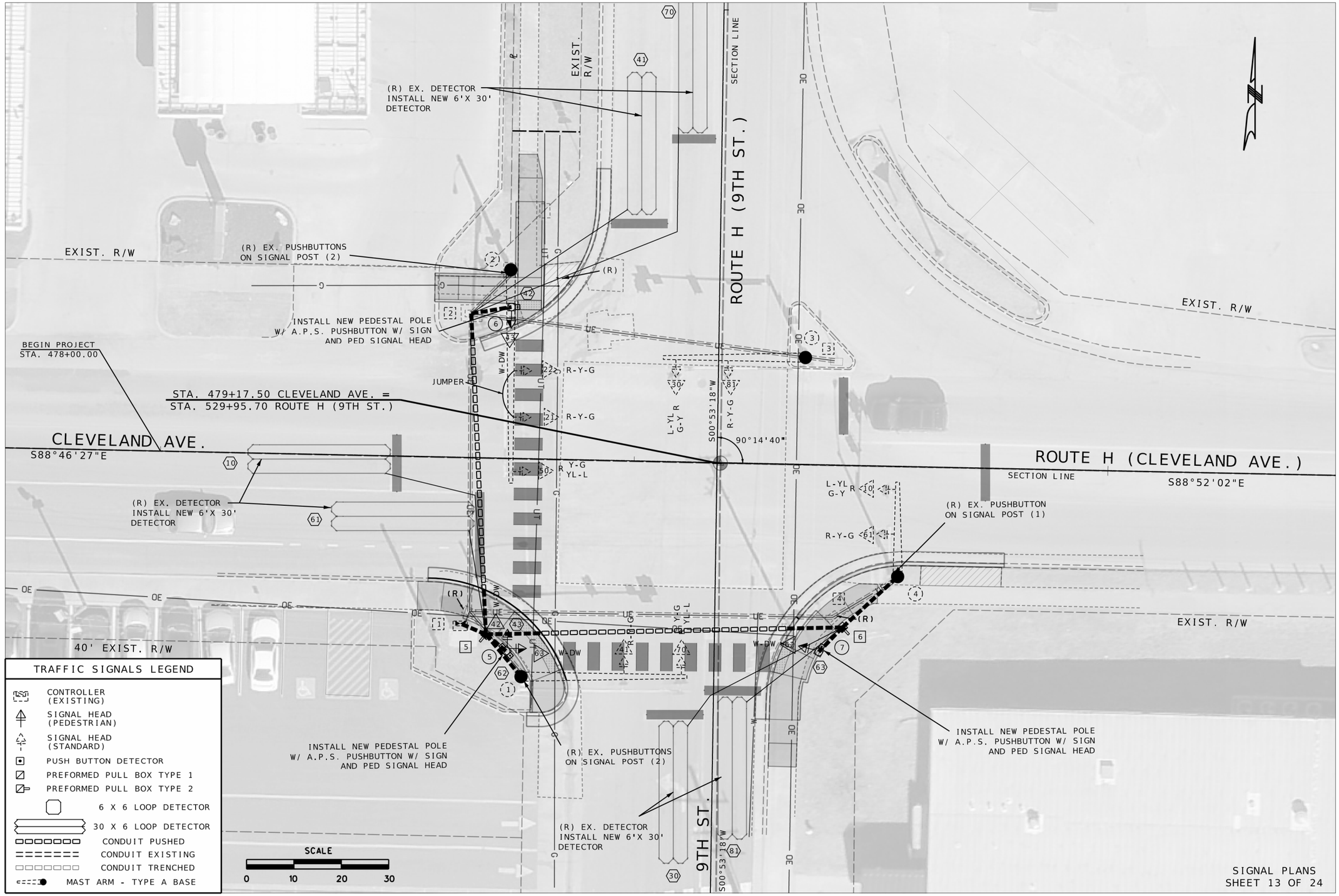
DESCRIPTION

DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.™

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



SIGNAL PLANS
SHEET 13 OF 24

LOCATION 6
ROUTE H (CENTRAL AVE.)/9TH ST.

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	61
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

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

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASE A						BASE F						BASE C	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED				PULL BOX CONCRETE			DRAIN TYPE*				TOP MOUNT POST	
					9	9.5	10	10.5	11	12	9	9.5	10	10.5	11	12			CLASS 1	CLASS 2	CLASS 3	CLASS 5	STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	I	II A	II B	II C	8 FT.	15 FT.
			CONTROLLER	(AS REQ'D)																											
1			USE EXISTING SIGNAL POST																												
2			USE EXISTING SIGNAL POST																												
3			USE EXISTING SIGNAL POST																												
4			USE EXISTING SIGNAL POST																												
5		SW CORNER	478+73.84	40.62													1	0.44												1	
6		NW CORNER	478+73.42	32.00													1	0.44												1	
7		SE CORNER	479+39.75	39.43													1	0.44												1	
	1		USE EXISTING PULL BOX																												
	2		USE EXISTING PULL BOX																												
	3		USE EXISTING PULL BOX																												
	4		USE EXISTING PULL BOX																												
	5	SW CORNER	478+69.48	39.19																1											
	6	SE CORNER	479+44.62	34.18																1											
SUBTOTAL																		1.32		2										3	
TOTAL																		1.32		2										3	

POST	TYPE C & CL ARM LENGTH				TYPE C & CL SIGNAL SPACING				TYPE C & CL SIGN SPACING				TYPE B & BL ARM LENGTH						LEFT ARM E SIGNAL SPACING				LEFT ARM E SIGN SPACING				RIGHT ARM K SIGNAL SPACING				RIGHT ARM K SIGN SPACING				INCLUDED ANGLE	LUMINAIRE BRACKET ARM*					
	A	A	A	A	B	C	D	D'	B	C	D	D'	E	K	E	K	E	K	F	G	H	H'	F	G	H	H'	L	M	N	N'	L	M	N	N'		4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
SUBTOTAL																																									
TOTAL																																									

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS *																					VISORS *		LOUVERS *						BACKPLATE*					RETROREFLECTIVE BACKPLATE*					BRACKET*			ONE-FACE																TWO-FACE														
				12" LENS CONVENTIONAL											12" LENS OPTICAL LIMITING										12" LENS	PED.							LENSES					LENSES					TYPE			SECTION																SECTIONS														
																																														1-				3-				4-				5-				11-			33-				34-		35-		44-		45-	
				R	Y	YL	YRt	FYL	FYR	G	S	L	Rt	✋🚶	R	Y	YL	YRt	YL	YRt	G	S	L	Rt			A	B	C	D	E	F	1	2	3	4	5	1	2	3	4	5	I	II	III	T	S	C	B	T	S	C	B	T	S	C	B	T	S	C	B	T	S	B	T	S	C	B	S	B	S	B	S	B	S	B
	1	70		EXISTING																																																																							
	1	41		EXISTING																																																																							
	2	50		EXISTING																																																																							
	2	21		EXISTING																																																																							
	2	22		EXISTING																																																																							
	3	30		EXISTING																																																																							
	3	81		EXISTING																																																																							
	4	10		EXISTING																																																																							
	4	61		EXISTING																																																																							
	5	42												1												1																	1				1																													
	5	63												1												1																	1				1																													
	6	43												1												1																	1				1																													
	7	62												1												1																	1				1																													
SUBTOTAL																																																																													
TOTAL																																																																													
SUBTOTAL OPTICALLY LIMITED																																																																														
SUBTOTAL CONVENTIONAL																																															4																													
SUBTOTAL COMBINATION OL & CONV																																																																														
TOTAL OPTICALLY LIMITED																																																																														
TOTAL CONVENTIONAL																																															4																													
TOTAL COMBINATION OL & CONV																																																																														

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.

LOCATION 6 - ROUTE H (CENTRAL AVE.)/9TH ST.

INTERSECTION

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

SIGNAL PLANS
SHEET 14 OF 24

D-37A

SEAN L. MATLOCK
E-27133

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
1/29/2024	
ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	62
COUNTY	
BARRY/LAWRENCE	
JOB NO.	
J7S3472	
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)

2215 Fairlown Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.™

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

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH			PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2"	3"	4"	2"	3"	4"	2"	3"		
[illegible]	5	6			18											2 - 3" CONDUIT
5	1	12			15											
5	5	6			7											
5	2	68			13			53								
5	6	76			22			52								
4	7	8			9											
6	4	16			19											
SUBTOTALS					103			105								
TOTALS					103			105								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
[illegible]	43	11			34											
[illegible]	42	11				35										
[illegible]	62	11			34											
[illegible]	63	11				35										
[illegible]	42	83			112											
[illegible]	43	83				113										
[illegible]	63	89			118											
[illegible]	62	89				119										
[illegible]	5	6											17			
5	61	23										316				
[illegible]	5	6											17			
5	10	49										368				
[illegible]	2	74											91			
2	41	40										350				
[illegible]	2	74											91			
2	70	69										408				
[illegible]	6	81											98			
6	81	26										322				
[illegible]	6	81											98			
6	30	40										350				
[illegible]	41	40					84									
[illegible]	70	52					96									
[illegible]	22	108					170									INCLUDES JUMPER
[illegible]	50	129					179									
[illegible]	81	174					230									
[illegible]	30	185					241									
[illegible]	61	106					156									
[illegible]	10	116					166									
[illegible]	1	18								77						
[illegible]	2	87								152						
[illegible]	3	158								229						
[illegible]	4	97								162						
SUBTOTALS					298	302	1322			620		2114	412			
TOTALS					300	300	1320			620		2110	410			SIGNAL PLANS SHEET 15 OF 24

INTERSECTION LOCATION 6 - ROUTE H (CENTRAL AVE.)/9TH ST. D-37B

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024

ROUTE	STATE
60,37,B60	MO

DISTRICT	SHEET NO.
SW	63

COUNTY BARRY/LAWRENCE

JOB NO. J7S3472

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

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

EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
SW CORNER	478+59.45	39.98	Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

** POWER SUPPLY IS EXISTING

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
SW CORNER	478+64.01	34.68																				

* CONTROLLER ASSEMBLY IS EXISTING

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE					
		PUSH BUTTON		INDUCTION LOOP (2)			VIDEO
		STANDARD	APS	STANDARD	DELAY/ EXTEND *	CALL UNIT *	
43			1				
62			1				
10	EXISTING DETECTOR						
61	EXISTING DETECTOR						
42			1				
70	EXISTING DETECTOR						
41	EXISTING DETECTOR						
50	EXISTING DETECTOR						
21	EXISTING DETECTOR						
22	EXISTING DETECTOR						
63			1				
30	EXISTING DETECTOR						
81	EXISTING DETECTOR						
.							
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.							
.							
.							
.							
.							
.							
.							
TOTAL			4				

* 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 HARDWIRE INTERCONNECT.

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

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
4	R10-3EL	9 X 15	0.9	1.8	2
4	R10-3ER	9 X 15	0.9	1.8	2
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	3.6	4
			TOTAL	3.6	4

SIGNAL PLANS
SHEET 16 OF 24

LOCATION 6 - ROUTE H (CENTRAL AVE.)/9TH ST.
INTERSECTION

D-37C

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT SW	SHEET NO. 64

COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE
.	.
.	.
.	.
.	.
.	.
.	.
.	.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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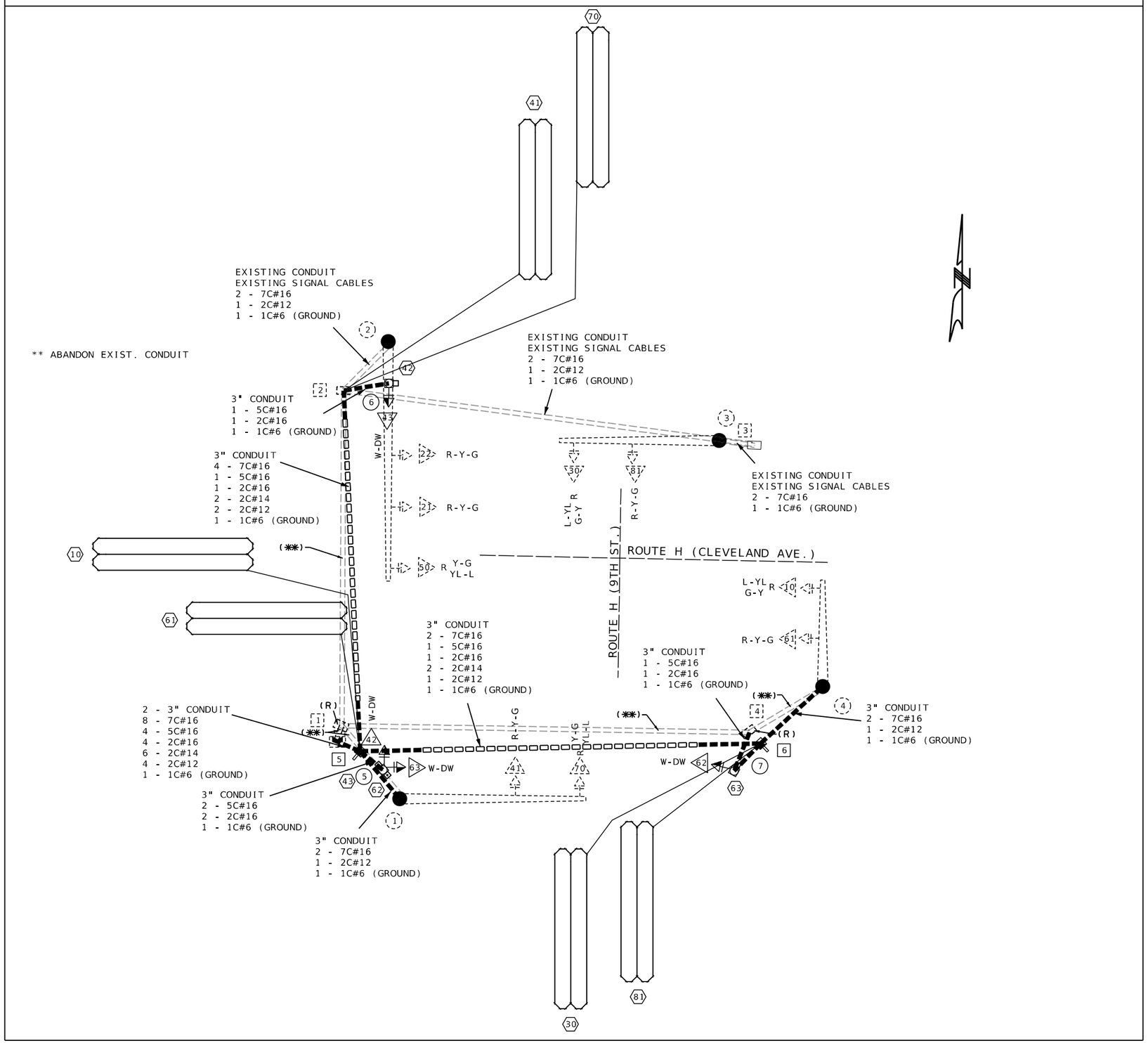
Engineering beyond.™

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

EFFECTIVE 12-01-17



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
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

LOCATION 6 - ROUTE H (CENTRAL AVE.)/9TH ST.

INTERSECTION

SIGNAL PLANS
SHEET 17 OF 24

D-37D

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
1/29/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	65

COUNTY
BARRY/LAWRENCE

JOB NO.
J7S3472

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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2215 Fairlawn Dr.
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417.358.9551
COA# 00062
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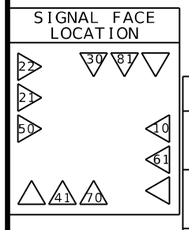
Engineering beyond.™

EFFECTIVE 12/01/2017

SIGNAL FACE LOCATION



** USE EXISTING PHASING

TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

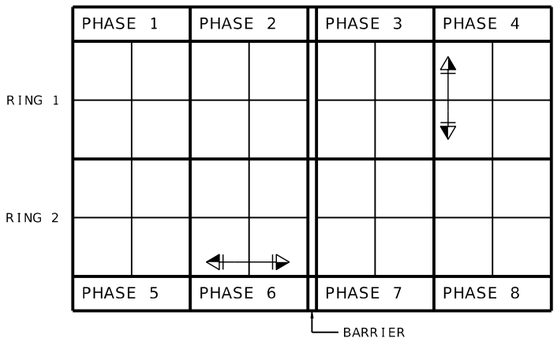
	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PED Ø 4 OVERLAP	PED Ø 8 OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP
FACE NUMBERS									42 43	62 63		
SIGNAL INDICATIONS R									DW	DW		
SIGNAL INDICATIONS Y												
SIGNAL INDICATIONS FYA									FDW	FDW		
SIGNAL INDICATIONS G									W	W		
DETECTOR ASSIGNMENTS												
DETECTOR ASSIGNMENTS (PEDS. ONLY)									42 43	62 63		
OVERLAP PARENT PHASES												

FACE NUMBERS

SIGNAL INDICATIONS R Y FYA G

DETECTOR ASSIGNMENTS

** USE EXISTING PHASING



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

FLASHING OPERATION	
**	FR
	FY

CONTROLLER TYPE	**

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
LOCATION 6 - ROUTE H (CENTRAL AVE.)
WITH 9TH ST.

SIGNAL PLANS
SHEET 18 OF 24

D-38A

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	66
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

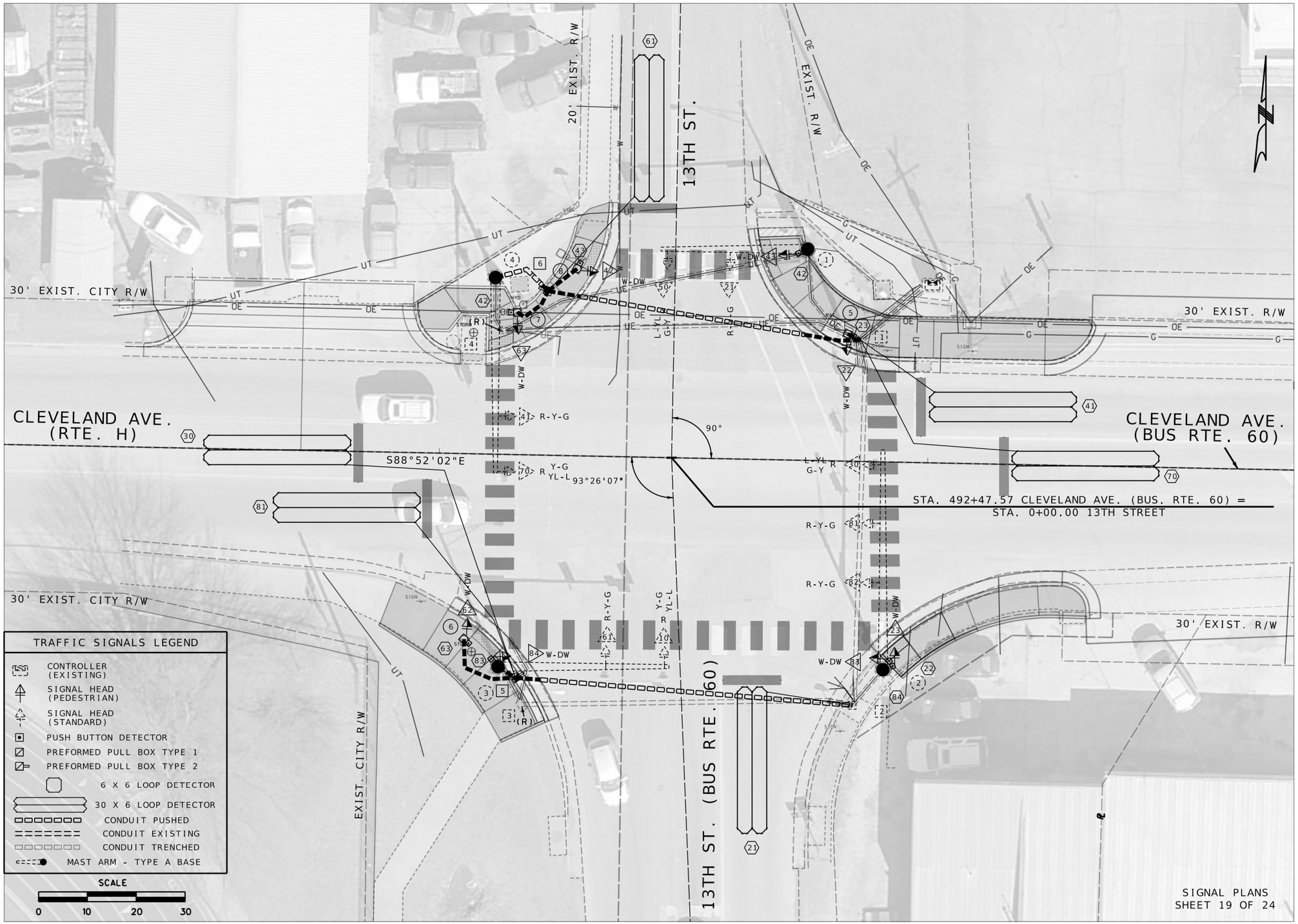
DESCRIPTION

DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.™

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



MATCHLINE - STA 493+75.00

LOCATION 7
BUSINESS 60 (CLEVELAND AVE.)/13TH ST.

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	67
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION
.	.
.	.
.	.
.	.
.	.
.	.
.	.

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

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

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EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION APPROACH	STATION	OFFSET	BASE A 9	A 9.5	A 10	A 10.5	A 11	A 12	F 9	F 9.5	F 10	F 10.5	F 11	F 12	C	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED CLASS 1	CLASS 2	CLASS 3	CLASS 5	CONCRETE STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE* I	II A	II B	II C	POST TOP MOUNT POST 8 FT.	15 FT.
			CONTROLLER	(AS REQ'D)																											
1			USE EXISTING SIGNAL POST																												
2			USE EXISTING SIGNAL POST																												
3			USE EXISTING SIGNAL POST																												
4			USE EXISTING SIGNAL POST																												
5		NE CORNER	492+83.10	26.04													1	0.44												1	
6		SW CORNER	492+05.78	37.98													1	0.44												1	
7		NW CORNER	492+15.41	29.14													1	0.44												1	
8		NW CORNER	492+27.46	38.30													1	0.44												1	
	1		USE EXISTING PULL BOX																												
	2		USE EXISTING PULL BOX																												
	3		USE EXISTING PULL BOX																												
	4		USE EXISTING PULL BOX																												
	5	SW CORNER	492+16.52	45.64																1								1			
	6	NW CORNER	492+21.63	33.62																1								1			
SUBTOTAL																		1.76		2										4	
TOTAL																		1.76		2										4	

	TYPE C & CL ARM LENGTH				SIGNAL SPACING				SIGN SPACING				TYPE B & BL ARM LENGTH						LEFT ARM E SIGNAL SPACING				SIGN SPACING				RIGHT ARM K SIGNAL SPACING				SIGN SPACING				INCLUDED ANGLE	LUMINAIRE BRACKET ARM*					
	A	A	A	A	B	C	D	D'	B	C	D	D'	E	K	E	K	E	K	F	G	H	H'	F	G	H	H'	L	M	N	N'	L	M	N	N'		4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
SUBTOTAL																																									
TOTAL																																									

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS *																					VISORS *		LOUVERS *						BACKPLATE*					-					BRACKET*			ONE-FACE																TWO-FACE														
				12" LENS CONVENTIONAL											12" LENS OPTICAL LIMITING										12" LENS	PED.							LENSES					LENSES					TYPE			SECTION 1-				3-				4-				5-				SECTIONS 11-			33-				34-		35-		44-		45-	
				R	Y	YL	YRt	FYL	FYR	G	S	L	Rt	✋🚶	R	Y	YL	YRt	YL	YRt	G	S	L	Rt			A	B	C	D	E	F	1	2	3	4	5	1	2	3	4	5	I	II	III	T	S	C	B	T	S	C	B	T	S	C	B	T	S	C	B	T	S	B	T	S	C	B	S	B	S	B	S	B	S	B
	1	50		EXISTING																																																																						
	1	21		EXISTING																																																																						
	1	43												1												1																	1				1																													
	2	30		EXISTING																																																																						
	2	81		EXISTING																																																																						
	2	82		EXISTING																																																																						
	2	23												1												1																	1				1																													
	2	83												1												1																	1				1																													
	3	10		EXISTING																																																																						
	3	61		EXISTING																																																																						
	3	84												1												1																	1				1																													
	4	70		EXISTING																																																																						
	4	41		EXISTING																																																																						
	5	22												1												1																	1				1																													
	6	62												1												1																	1				1																													
	7	63												1												1																	1				1																													
	8	42												1												1																	1				1																													
SUBTOTAL																																																																												
TOTAL																																																																												

	ONE-FACE SECTION 1- S
SUBTOTAL OPTICALLY LIMITED	
SUBTOTAL CONVENTIONAL	8
SUBTOTAL COMBINATION OL & CONV	
TOTAL OPTICALLY LIMITED	
TOTAL CONVENTIONAL	8
TOTAL COMBINATION OL & CONV	

SPAN WIRE POLES

POST NUMBER	WOOD CLASS IV	STEEL (A10 BASE REQUIRED)
SUBTOTAL		
TOTAL		

SPAN WIRE CABLE SPANS

SPAN NUMBER	FROM POST	TO POST	SINGLE MESSENGER ASSEMBLY (LIN. FT.)	MESSENGER ASSEMBLY WITH TETHER (LIN. FT.)
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.

LOCATION 7 - BUSINESS 60 (CLEVELAND AVE.)/13TH ST.
INTERSECTION

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

SIGNAL PLANS
SHEET 20 OF 24

D-37A

SEAN L. MATLOCK
NUMBER E-27133

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

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

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	68
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.™

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
1	5	3			4												
5	6	17			18												
5	3	5			8												
6	7	10			11												
6	8	8			9												
6	4	12			1				16								
6	1	65			16				47								
5	2	70			6				63								
SUBTOTALS					73				126								
TOTALS					73				126								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
	23	22			45											
	22	22				46										
	42	56			79											
	43	56				80										
	22	104			133											
	23	104				134										
	84	104			133											
	83	104				134										
	83	167			202											
	84	167				203										
	63	180			215											
	62	180				216										
	42	93			122											
	63	93				123										
	43	92			121											
	42	92				122										
	1	19											30			
1	41	19										308				
	1	19											30			
1	70	45										360				
	2	94											111			
2	21	18										306				
	5	163											186			
5	81	39										348				
	5	163											186			
5	30	66										402				
	6	84											101			
6	61	27										324				
	61	190					246									
	10	202					258									
	41	125					175									
	70	137					187									
	3	167								238						
	4	97								162						
SUBTOTALS					1050	1058	866			400		2048	644			
TOTALS					1050	1060	870			400		2050	640			SIGNAL PLANS SHEET 21 OF 24

INTERSECTION LOCATION 7 - BUSINESS 60 (CLEVELAND AVE.)/13TH ST. D-37B

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT SW	SHEET NO. 69

COUNTY BARRY/LAWRENCE

JOB NO. J7S3472

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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9951
COA# 00062
weareown.com
OWN
Engineering beyond.™

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

EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
NE CORNER	492+81.38	27.82'	Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

** POWER SUPPLY IS EXISTING

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
NE CORNER	493+00.25	36.41'																				

* CONTROLLER ASSEMBLY IS EXISTING

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1	****	****	****	****	****	****	****	****
	2	****	****	****	****	****	****	****	****

**** VEHICLE DETECTION IS EXISTING

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

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
#	#	#	#	#	#	#	#	#	#	#	#

VEHICLE LOAD SWITCHES ARE EXISTING

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
4	R10-3EL	9 X 15	0.9	3.6	4
4	R10-3ER	9 X 15	0.9	3.6	4
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	7.2	8
			TOTAL	7.2	8

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE					
		PUSH BUTTON		INDUCTION LOOP (2)			VIDEO
		STANDARD	APS	STANDARD	DELAY/ EXTEND *	CALL UNIT *	
10				EXISTING	DETECTOR		
61				EXISTING	DETECTOR		
42			1				
23			1				
41				EXISTING	DETECTOR		
70				EXISTING	DETECTOR		
22			1				
84			1				
50				EXISTING	DETECTOR		
21				EXISTING	DETECTOR		
83			1				
63			1				
30				EXISTING	DETECTOR		
81				EXISTING	DETECTOR		
82				EXISTING	DETECTOR		
42				EXISTING	DETECTOR		
43			1				
			1				
	TOTAL		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 WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

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

170 OUTPUT FILE ASSIGNMENTS

FR1							MONITOR
FR2							
FR3							
FR4							

170 INPUT FILE ASSIGNMENTS

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

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

170 AUXILIARY OUTPUT FILE

FR5							X
FR6							

SIGNAL PLANS
SHEET 22 OF 24

LOCATION 7 - BUSINESS 60 (CLEVELAND AVE.)/13TH ST.
INTERSECTION

D-37C

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

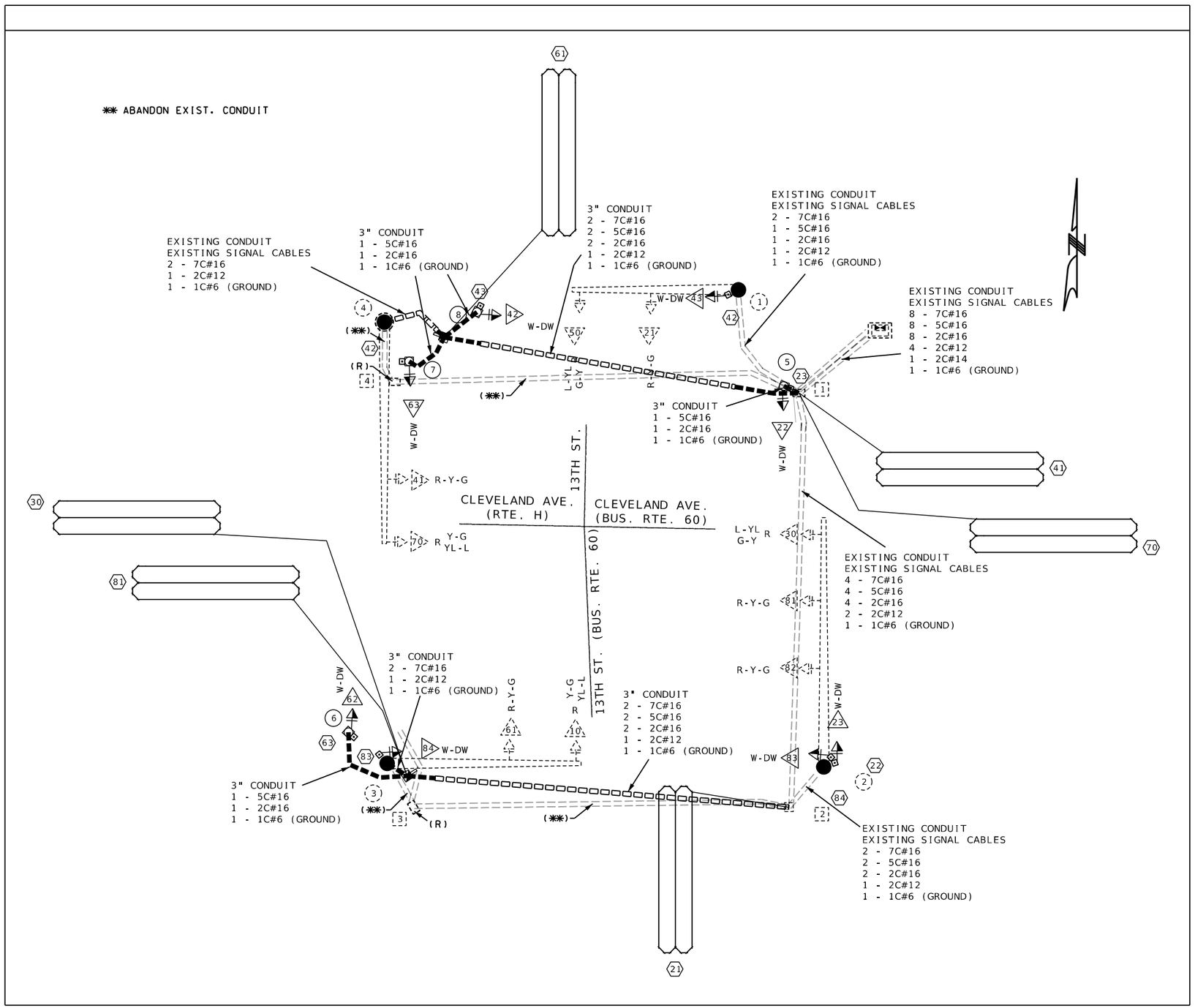
DATE PREPARED 1/29/2024
ROUTE 60,37,B60 | STATE MO
DISTRICT SW | SHEET NO. 70
COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

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

EFFECTIVE 12-01-17



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
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

LOCATION 7 - BUSINESS 60 (CLEVELAND AVE.)/13TH ST.

INTERSECTION SIGNAL PLANS
SHEET 23 OF 24

D-37D

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT	SHEET NO.
SW	71

COUNTY BARRY/LAWRENCE

JOB NO. J7S3472

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)

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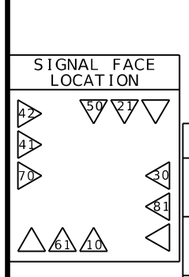
Engineering beyond.™

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

EFFECTIVE 12/01/2017

SIGNAL FACE LOCATION

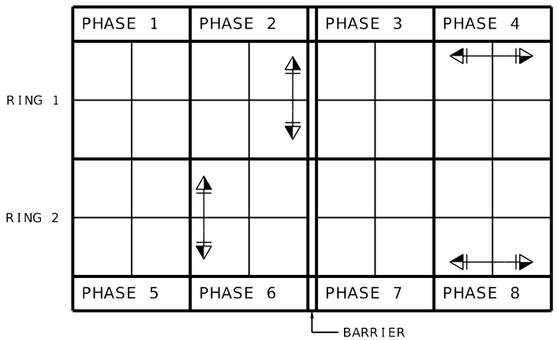


** USE EXISTING PHASING

TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PED Ø 4 OVERLAP	PED Ø 8 OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP	
FACE NUMBERS									22 23	42 43	62 63	83 84	FACE NUMBERS
SIGNAL INDICATIONS R									DW	DW	DW	DW	R
SIGNAL INDICATIONS Y													Y
SIGNAL INDICATIONS FYA									FDW	FDW	FDW	FDW	FYA
SIGNAL INDICATIONS G									W	W	W	W	G
DETECTOR ASSIGNMENTS													DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									22 23	42 43	62 63	83 84	
OVERLAP PARENT PHASES													

** USE EXISTING PHASING



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

FLASHING OPERATION	
**	FR
	FY

CONTROLLER TYPE	**

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
LOCATION 7 - BUSINESS 60 (CLEVELAND AVE.)
WITH 13TH ST.

SIGNAL PLANS
SHEET 24 OF 24

D-38A

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	1/29/2024
ROUTE	60,37,B60
STATE	MO
DISTRICT	SW
SHEET NO.	72
COUNTY	BARRY/LAWRENCE
JOB NO.	J7S3472
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.™

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

EFFECTIVE: 07-01-2022

SIGNS						CONCRETE FOOTINGS EMBEDDED	STRUCTURAL STEEL POSTS *					PIPE POSTS *					BACKING BARS **				U CHANNEL POST	PERFORATED SQUARE STEEL TUBE												BREAK-AWAY ASSEMBLY	REMARKS AND OTHER REQUIRED ITEMS
902 SIGNAL SIGNS TABULATED ON D-37A SHEET																						2 IN. POST						2.5 IN. POST							
																									ANCHORS						ANCHORS				
SIGN NO.	SIGN SIZE	STATION	OFFSET	LOCATION	SIGN DTL. SHT. NO.	ITEM NO. 9031010	POST DES NO.	POST NO.1 LF	POST NO.2 LF	POST NO.3 LF	LBS PER FT	TOTAL ITEM NO. 9031210 LBS	PIPE SIZE IN.	POST NO.1 LF	POST NO.2 LF	LBS PER FT	TOTAL ITEM NO. 9031220 LBS	NO. EACH	LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031250A LF	POST NO.1 LF	POST NO.2 LF	TOTAL ITEM NO. 9031270A LF	DRIVEN 12-GA. ITEM NO. 9031271A EA	DRIVEN 7-GA. ITEM NO. 9031273A EA	CONCRETE 7-GA. ITEM NO. 9031274 EA	POST NO.1 LF	POST NO.2 LF	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	BREAK-AWAY ASSEMBLY ITEM NO. 9031241	
1	36"x36"	380+46	62' RT.	US 60, RT.																								16		16			1		
2	36"x36"	380+82	75' RT.	US 60, RT.																								16		16			1		
2A	36"x36"	380+90	144'RT.	US 60, RT.																								16		16			1		
3	EXIST. 36"	380+86	44' RT.	US 60, RT.																								16		16			1		
4	36"x36"	385+47	82' RT.	US 60, RT.																								16		16			1		
5	36"x36"	385+82	98' RT.	US 60, RT.																								16		16			1		
5A	36"x36"	385+83	148'RT.	US 60, RT.																								16		16			1		
6	EXIST.	385+39	84' RT.	US 60, RT.																								16		16			1		
7	EXIST.	385+85	87' RT.	US 60, RT.																								16		16			1		
8	EXIST.	44+86	28' LT.	RTE 37, LT.																								16		16			1		
9	EXIST.	44+97	34' RT.	RTE 37, RT.																								16		16			1		
10	EXIST.	45+83	54' RT.	RTE 37, RT.																								16		16			1		
11	EXIST. ASSEMBLY	493+19	29' LT.	BU 60, LT.																								16		16			1		
12	EXIST.	493+97	28' RT.	BU 60, RT.																								16		16			1		
				TOTAL																										224			14		
				TOTAL																										224			14		

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

ROUND PIPE POST AND FOOTING DATA TABLE

NOM.SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2½	5.79	0.48	4'- 3½"	12"	4~6"	0.13
3	7.58	0.63	4'- 3½"	12"	4~6"	0.13
4	10.79	0.90	5'- 3½"	18"	5~6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST					FOOTING									
POST DES. NO.	NOM. SIZE	WEIGHT		STUB LENGTH	DIA.	LEVEL GROUND		6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE	
		LBS/FT	LBS/IN			DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

SIGNING PLANS
SHEET 1 OF 2

D-29

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024
ROUTE 60,37,B60
STATE MO
DISTRICT SW
SHEET NO. 73
COUNTY BARRY/LAWRENCE
JOB NO. J7S3472
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)

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

EFFECTIVE 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	W11-2 36"X36"	W16-7P 30"X18"	R3-17aP 30"X12"				M1-5			M1-4	M4-3	M6-1	M1-5a	M6-3		
			TYPE															
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH															
					AHEAD	STOP					STOP	80			H			
						EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.		
1	380+46	US 60, 62' RT.	1	1														
2	380+82	US 60, 75' RT.	1	1														
2A	380+90	US 60, 144' RT.	1		1													
3	380+86	US 60, 44' RT.				1												
4	385+47	US 60, 82' RT.	1	1														
5	385+82	US 60, 98' RT.	1	1														
5A	385+83	US 60, 148' RT.	1		1													
6	385+39	US 60, 84' RT.					1											
7	385+85	US 60, 87' RT.						1										
8	44+86	RTE 37, 28' LT.							1	1								
9	44+97	RTE 37, 34' RT.									1							
10	45+83	RTE 37, 54' RT.									1							
11	493+19	BU 60, 29' LT.										1	1	1	1	1		
12	493+97	BU 60, 28' RT.										1	1					
			6	4	2	1	1	1	1	1	2	2	2	1	1	1		

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET: SIZE	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF * ITEM NO. 9035069A	RELOCATED SIGNS ITEM NO. 9039902 EACH	STRUCTURAL FLUORESCENT STF * ITEM NO. 9035071A
1,2,2A,4,5,5A		6	36" X 36"		54.0		
1,2,4,5		4	30" X 18"		15.0		
2A,5A		2	30" X 12"		5.0		
3		1	EXIST.			1	
5		1	EXIST.			1	
6		1	EXIST.			1	
7		1	EXIST.			1	
8		1	EXIST.			1	
9		1	EXIST.			1	
10		1	EXIST.			1	
11		1	EXIST.			1	
12		1	EXIST.			1	
TOTAL					74	9	

* ORANGE, YELLOW & YELLOW/GREEN

SIGNING PLANS
SHEET 2 OF 2

D-30

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 1/29/2024

ROUTE	STATE
60,37,B60	MO
DISTRICT SW	SHEET NO. 74

COUNTY BARRY/LAWRENCE

JOB NO. J7S3472

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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