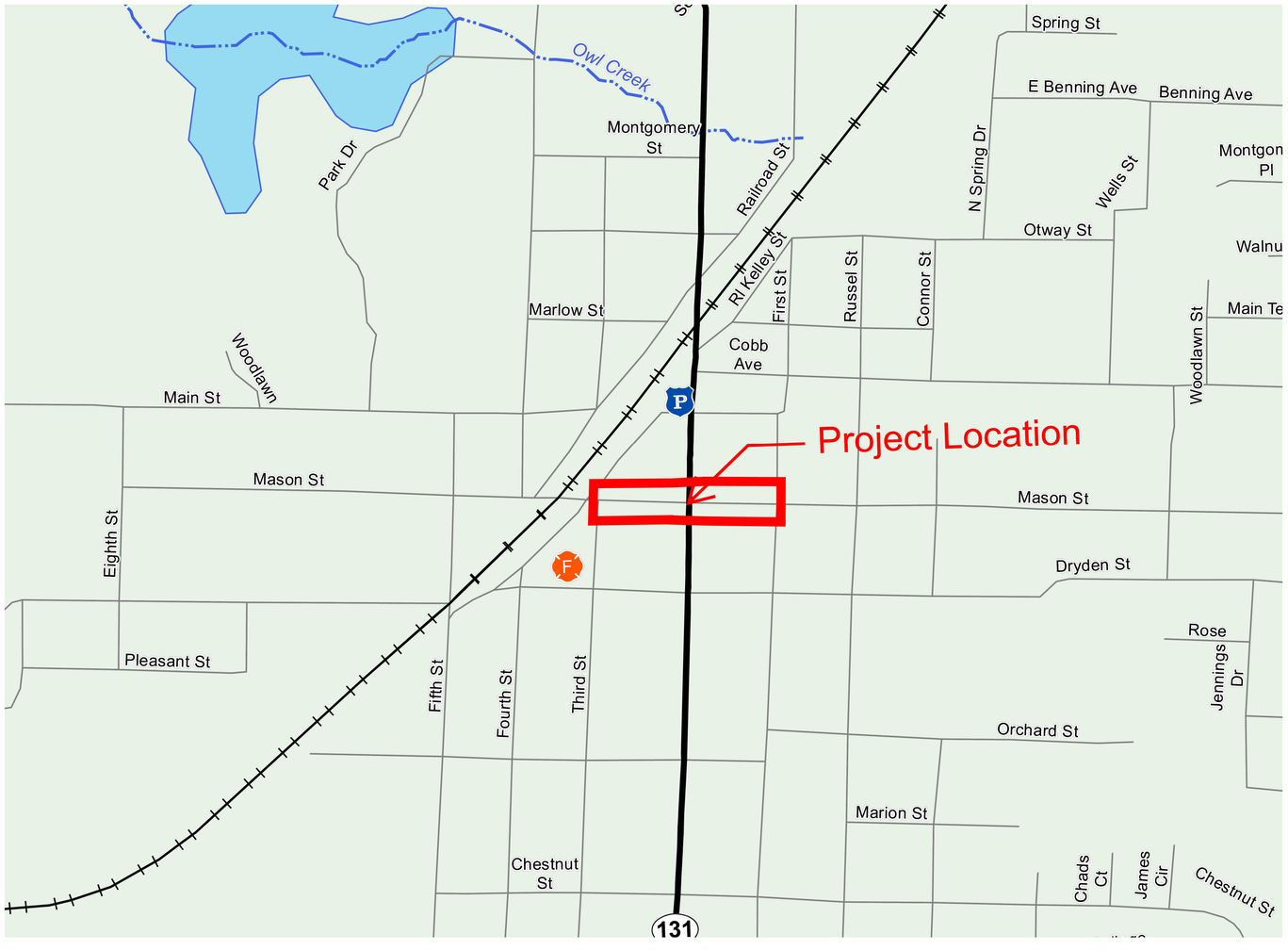
TAP-9901(443) MASON STREET
HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS
FOR
CITY OF ODESSA, MISSOURI

SECTION 36, T49N, R28W &
SECTION 01, T48N, R28W



LOCATION MAP

N.T.S.

UTILITIES INFORMATION

CENTURY LINK
1215 S Broadway,
Oak Grove, MO 64075
816-320-4795

COMCAST CABLE COMMUNICATIONS
3400 NW Duncan Road,
Blue Springs, MO 64015
844-843-2382

SPIRE
7500 E 35th Terrace,
Kansas City, MO 64129
*800-582-1234

CITY OF ODESSA SEWER/WATER
Andrea Johns (816-230-5577)
125 S Second Street,
Odessa, MO 64076
816-633-4662

CITY OF ODESSA ELECTRIC
Troy Woutzke (816-230-5577)
125 S Second Street,
Odessa, MO 64076
816-633-5521

COUNTY	LAFAYETTE
ROUTE	MASON ST
PROJECT	23KC40030
JOB NO.	TAP-9901(443)

DESIGN DESIGNATION

ADT (2022)	205
DESIGN ADT. (2042)	270
AADT TRUCK	-
DESIGN SPEED	25 MPH
D (DIRECTION)	

FUNCTIONAL CLASSIFICATION
MAJOR COLLECTOR

LENGTH OF PROJECT

BEGINNING OF PROJECT (MASON ST)	50+14.24
END OF PROJECT (MASON ST)	58+80.40
APPARENT LENGTH (MASON ST)	886.16

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CALL OR CLICK 3 DAYS BEFORE YOU DIG!
MISSOURI ONE CALL SYSTEM 1-800-DIG-RITE OR 811
www.mo1call.com

CAUTION:
INFORMATION ON THIS DRAWING CONCERNING TYPE & LOCATION OF UNDERGROUND & OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE & LOCATION OF UNDERGROUND & OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

CONSULTANT

SUBMITTED
PROJECT ENGINEER — 10/02/2025 DATE

CITY

SUBMITTED
CITY OFFICIAL — 10/02/2025 DATE

ANDERSON ENGINEERING
EMPLOYEE OWNED
ENGINEERS - SURVEYORS - LABORATORIES - DRILLING
941 W. 141ST TERRACE • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-0400
ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
10/02/2025
PROFESSIONAL ENGINEER

DRAWING INFO.
FIELD BY:
DRAWN BY: NDD
CHECK BY:
DATE: 10/2/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

REVISIONS

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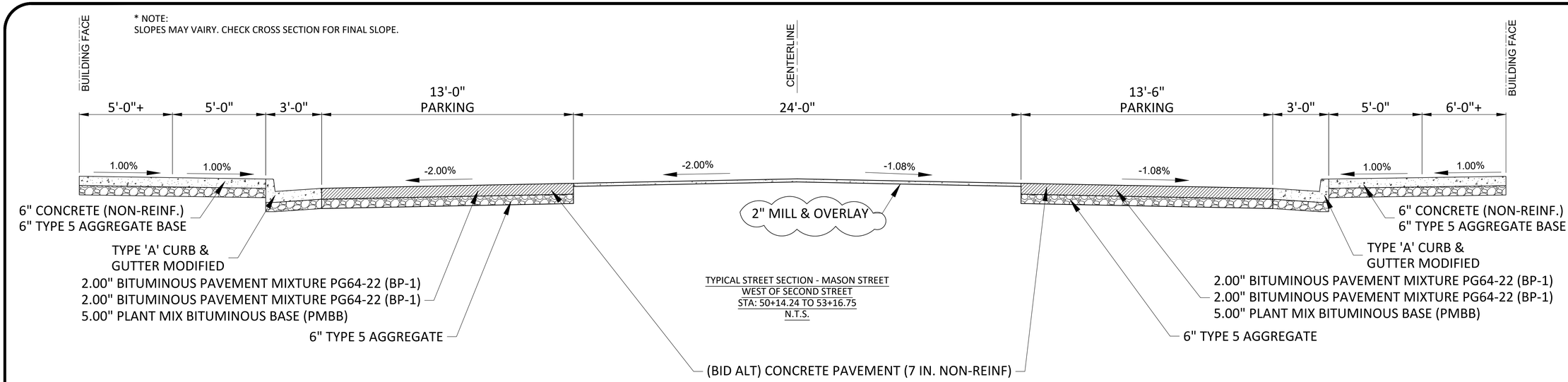
COVER SHEET
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

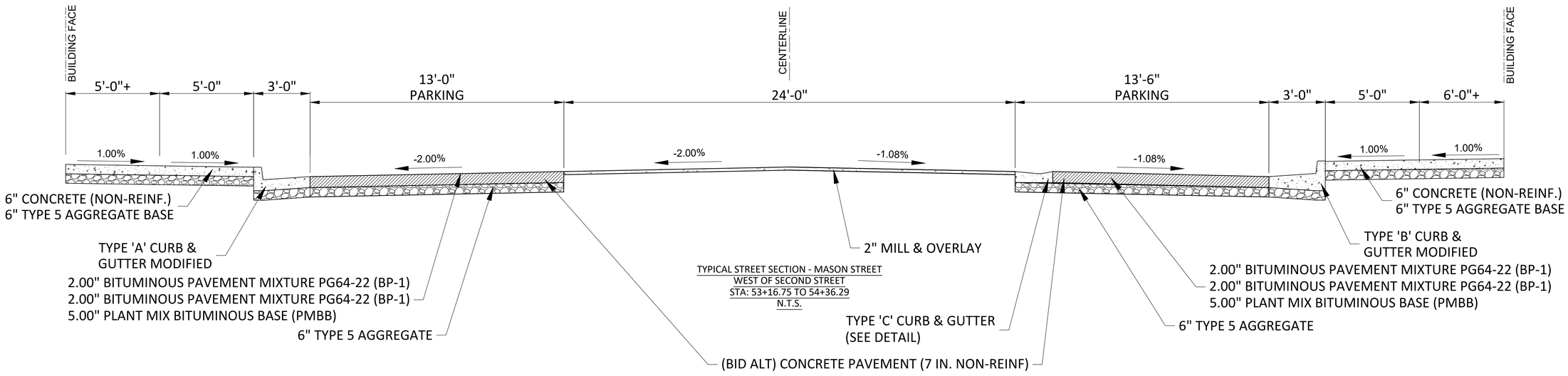
SHEET NUMBER 01 OF 81

G:\Shared drives\MO\Odessa\2\CAD\01 - TAP-9901(443) Odessa - 2nd st Downtown\CAD\Plans\Cover Sheet.dwg

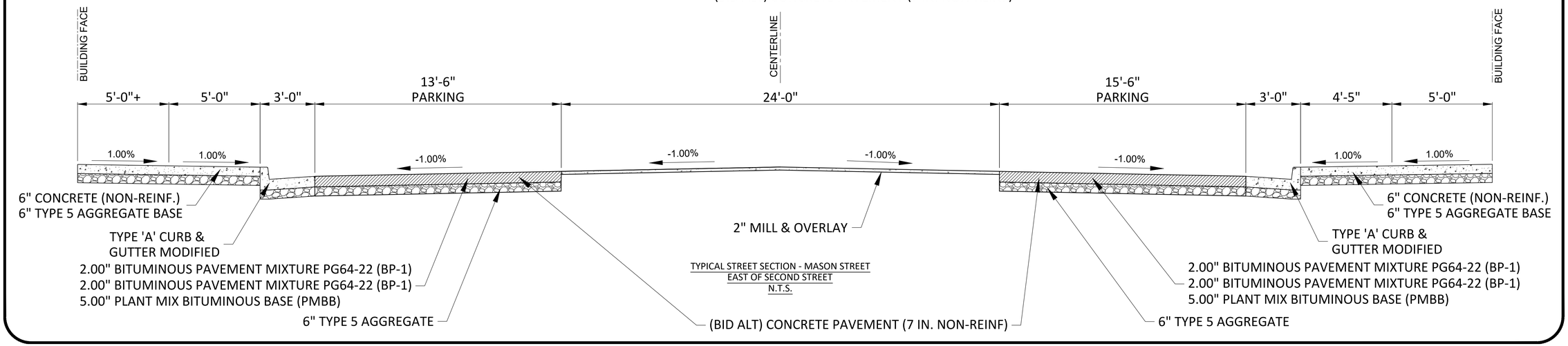
* NOTE:
SLOPES MAY VAIRY. CHECK CROSS SECTION FOR FINAL SLOPE.



TYPICAL STREET SECTION - MASON STREET
WEST OF SECOND STREET
STA: 50+14.24 TO 53+16.75
N.T.S.



TYPICAL STREET SECTION - MASON STREET
WEST OF SECOND STREET
STA: 53+16.75 TO 54+36.29
N.T.S.



TYPICAL STREET SECTION - MASON STREET
EAST OF SECOND STREET
N.T.S.

ANDERSON ENGINEERING
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941 W. 141ST TERRACE • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-0400
ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2625008037
PROFESSIONAL ENGINEER
9/17/8-2025

DRAWING INFO.	
FIELD BY:	NDO
DRAWN BY:	
CHECK BY:	
DATE:	9/18/2025
FIELD BOOK:	
JOB NUMBER:	TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1.	PLANS FOR BID	KEL	09/30/25

REVISIONS

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TYPICAL SECTIONS
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 02 OF 81

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QUANTITIES - PHASE 2 MASON ST

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
	ROADWAY		
202-20.10	REMOVAL OF IMPROVEMENTS	LS	1
207-20.00	LINEAR GRADING CLASS 2	STA	8.7
304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	3,485.2
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9
401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.)	TONS	751.6
502-11.08	CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS)	SY	331.8
609-10.51	CURB & GUTTER TYPE A	LF	221
609-10.52	CURB & GUTTER TYPE B	LF	578
609-99.03	CURB & GUTTER TYPE C	LF	115
609-99.03	CURB RAMP CURB & GUTTER	LF	65
609-99.03	DRIVEWAY CURB & GUTTER	LF	324
618-10.00	MOBILIZATION	LS	1
627-40.00	CONTRACTOR SURVEYING & STAKING	LS	1
	SIGNING, STRIPING, SIGNAL, LIGHTING		
620-60.00D	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1,536
620-60.01D	4 IN. YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1,570
620-61.24B	24 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	24
620-99.02	INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)	EA	7
620-99.03	6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	120
620-99.03	4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	581
903-50.04A	SH-FLAT SHEET	SF	46
903-99.02	SIGN POSTS	EA	4
	BIKE/PED FACITILITES		
304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	1,497.8
502-99.07	INTEGRAL RETAINING WALL W/ REINFORCING	CY	15.0
608-10.10	CONCRETE CURB RAMP	SY	104.1
608-10.12	TRUNCATED DOMES	SF	150
608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS	LF	9
608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF	329
608-99.05	CONCRETE SIDEWALK, 6 IN.	SY	1,497.8
	LANDSCAPING/STREETSCAPING		
604-20.10	ADJUST MANHOLE HEIGHT	EA	2
604-99.02	ADJUST HEIGHT OF FIRE HYDRANT	EA	1
	TRAFFIC CONTROL		
616-10.22	CHANNELIZER (CONE)	EA	16
616-10.30	TYPE 3 MOVEABLE BARRICADE	EA	4
903-50.04A	SH-FLAT SHEET	SF	90

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
	ROADWAY BID ALTERNATE		
502-11.07	CONCRETE PAVEMENT (7 IN. NON-REINFORCED)	SY	2705.1
	ROADWAY ADD ALTERNATE		
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	256.3
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	256.3
622-10.03	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (GREATER THAN 3 IN. THICK)	SY	2,306

NOTES:

ALL SCHEDULE 40 PVC ELBOWS, SCHEDULE 80 PVC ELBOWS & STUB-UPS ARE SUBSIDIARY TO SCHEDULE 40 PVC CONDUIT ON STUB-UPS/ ELBOWS AND ARE RIGID GALVANIZED AT EXTERIOR ABOVE GRADE LOCATIONS. REFER TO ELECTRICAL PLAN SHEETS.

REFER TO ELECTRICAL PLAN SHEETS FOR ELECTRICAL EQUIPMENT RACK DETAILS
-GROUND ROD, ELECTRICAL UTILITY METER (PROVIDED BY CITY), ELECTRICAL PANEL BOARD, LIGHTING CONTROL PANEL AND ANY OTHER ITEMS NECESSARY FOR THE ELECTRICAL EQUIPMENT RACK ARE SUBSIDIARY TO THE ELECTRICAL EQUIPMENT RANK

ANY ITEMS NOT SHOWN IN THE QUANTITIES SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT FORM 106, TO MISSOURI DEPARTMENT OF NATURAL RESOURCES, HISTORICAL PRESERVATION PROGRAM FOR ANY BORROW AREAS TO BE USED ON THIS PROJECT.

ALL STRUCTURAL BACKFILL IS CONSIDERED SUBSIDIARY TO INTEGRAL RETAINING WALL BID ITEM.

GENERAL NOTES

DESIGN SPECIFICATIONS:
2011 AASHTO ROADSIDE DESIGN GUIDE, 4TH EDITION

CONSTRUCTION SPECIFICATIONS:
MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2025 EDITION

MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION, 2025 EDITION

NOTES:

1. EXISTING UTILITIES AND UNDERGROUND INSTALLATIONS HAVE BEEN LOCATED TO THE GREATEST EXTENT PRACTICAL THROUGH REVIEW OF CONSTRUCTION PLANS AND SURFACE OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL HORIZONTAL AND VERTICAL LINES AND GRADES OF EXISTING UTILITIES PRIOR TO THE CONSTRUCTION OF IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERING A DISCREPANCY BETWEEN THE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS. CONTACT ONE CALL.
2. THE CONTRACTOR MUST COORDINATE CONSTRUCTION WITH THE NECESSARY AUTHORITIES.
3. NO WORK SHALL COMMENCE UNTIL ALL NECESSARY PERMITS ARE OBTAINED BY THE OWNER.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINE AND GRADE STAKES.
5. CONTRACTOR SHALL REMOVE, PRESERVE, AND REPLACE ALL SIGNS, MAIL BOXES, FENCES, METAL FLAG POLE BASES AND THE LIKE, WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENTS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
6. ALL TRAFFIC WAYS INCLUDING DRIVEWAYS, ALLEYWAYS, ETC., SHALL REMAIN ACCESSIBLE TO RESIDENTIAL AND EMERGENCY VEHICLES DURING PROJECT DURATION.
7. ALL CONSTRUCTION AND EXCAVATION ACTIVITIES SHALL BE CONFINED TO EASEMENTS, ROAD RIGHT-OF-WAY, AND/OR WORK AREA LIMITS AS SHOWN ON DRAWINGS.
8. CONTRACTOR SHALL RAISE OR LOWER ALL AFFECTED MANHOLE RIMS AND VALVE BOXES IN THE WORK AREA TO MATCH PROPOSED GRADE.
9. ALL AREAS DISTURBED BY CONSTRUCTION ARE FIRST TO BE FINE GRADED AND THEN FOLLOWED BY SEED AND STRAW MULCH, UNLESS OTHERWISE NOTED, OVER, MIN. 4" TOPSOIL STOCKPILED FROM SITE OR HAULED IN AS REQUIRED.
10. PROVIDE POSITIVE DRAINAGE FROM ALL IMPROVED AREAS, SO THAT RUNOFF DRAINS TO DRAIN WAYS.
11. ALL CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISH GRADE.
12. ANY DAMAGE TO EXISTING STRUCTURES, VEGETATION, OR IMPROVEMENTS RESULTING FROM NEW CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
13. ALL SIDEWALKS AND ADA RAMPS SHALL BE IN ACCORDANCE WITH ADA REGULATIONS.
14. CONTRACTOR TO PROTECT ANY STORM INLETS, THAT RECEIVE STORM WATER FROM THE AREA OF CONSTRUCTION, FROM SEDIMENT. EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING THE WHOLE CONSTRUCTION PERIOD BY THE CONTRACTOR. ALL EROSION CONTROL DEVICES, NOT LISTED IN THE PLANS, SHALL BE INCIDENTAL TO CONSTRUCTION.
15. ALL TRENCHES, WHICH LIE UNDER PROPOSED PAVEMENT, OR LIE WITHIN TWO FEET OF BACK OF CURB, SHALL BE BACKFILLED TO PAVEMENT SUB-GRADE WITH COMPACTED GRANULAR BACK FILL.
16. TRENCHES SHALL BE COMPACTED TO 95% STANDARD PROCTOR WHEN PIPES ARE LAID IN FILL.
17. ALL REMOVALS NECESSARY TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS, SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
18. ALL ELEVATION NEED TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION BY CONTRACTOR AND ENGINEER.
19. HAND-RAILING WILL BE COATED IN A BLACK FINISHED SURFACE, CORROSION-RESISTANT PAINT SYSTEM. THE SPECIFIC PRODUCT SHALL REQUIRE ENGINEER APPROVAL PRIOR TO APPLICATION.

LEGEND
(USED IN PLANS)

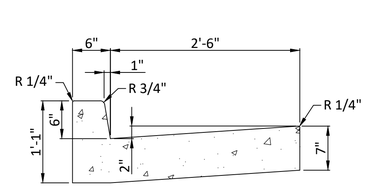
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING FEATURE
- EXISTING FENCE
- EXISTING GUARDRAIL
- SECTION LINE
- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING STORM WATER
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER
- EXISTING UNDERGROUND ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING UNDERGROUND TELEPHONE
- EXISTING OVERHEAD TELEPHONE
- EXISTING FIBER OPTIC
- EXISTING UNDERGROUND CABLE TV
- EXISTING OVERHEAD CABLE TV
- EXISTING MAILBOX
- EXISTING FLAG POLE
- EXISTING STORM INLET
- EXISTING GAS METER
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING SANITARY MANHOLE
- EXISTING SANITARY CLEANOUT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING GUY WIRE ANCHOR
- EXISTING GROUND LIGHT
- EXISTING TELEPHONE PEDESTAL
- EXISTING SIGN
- EXISTING TREE
- CONTROL POINT
- FOUND CORNER
- EXISTING BENCHMARK

NOTE:
DASHED OR SCREENED SYMBOL INDICATES EXISTING FEATURE.

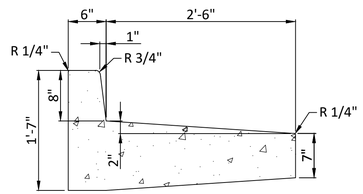
ABBREVIATION TABLE

BC:	BACK OF CURB
℄	CENTERLINE
CONT.	CONTINUOUS
C.P.	CONTROL POINT
EG:	EXISTING GRADE
EX.	EXISTING
FG:	FINISH GRADE
FL:	FLOW LINE
GL:	GUTTER LINE
MAX.	MAXIMUM
MIN.	MINIMUM
OFF:	OFFSET
PL	PROPERTY LINE
PR.	PROPOSED
R/W	RIGHT-OF-WAY
STA:	STATION
TBM	TEMPORARY BENCHMARK
T.C.E.	TEMPORARY CONSTRUCTION EASEMENT
TEMP.	TEMPORARY
TYP.	TYPICAL

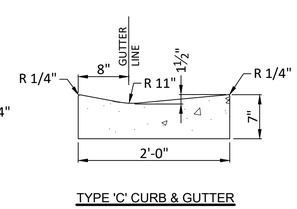
CURB & GUTTER DETAILS



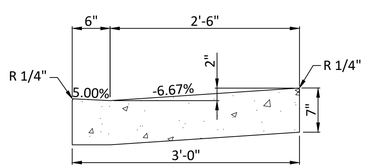
TYPE 'A' CURB & GUTTER - MODIFIED



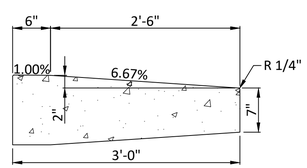
TYPE 'B' CURB & GUTTER - DRY



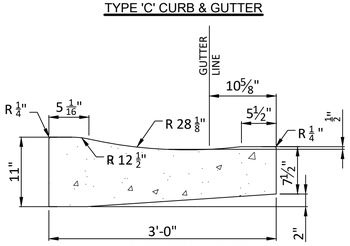
TYPE 'C' CURB & GUTTER



CURB RAMP CURB & GUTTER - WET



CURB RAMP CURB & GUTTER - DRY



STANDARD TYPE 'A' CURB

ANDERSON ENGINEERING
EMPLOYEE OWNED
ENGINEERS - SURVEYORS - LABORATORIES - DRILLING
941 W. 141ST TERRACE • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-0400
ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
12/11/2025
PROFESSIONAL ENGINEER

DRAWING INFO.
FIELD BY:
DRAWN BY: NDO
CHECK BY:
DATE: 12/11/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25
2	ADDENDUM NO. 2	KEP	12/11/2025

REVISIONS

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QUANTITES & GENERAL NOTES
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 03
OF 81

D:\Shared drives\MO Odessa\2 Active\0 - TAP-9901(443) Odessa- 2nd st Downtown\CAD\Plans\Typical Sections

QUANTITY BREAKDOWN - PHASE 2 MASON ST

LINEAR GRADING CLASS 2			
STA.	TO	STA.	STA
50+14.24	-	58+80.40	8.7
		TOTAL =	8.7

TYPE 5 AGGREGATE BASE, 6 IN.			
STA.	TO	STA.	SY
50+14.24	-	58+80.40	5352
		TOTAL =	5352

ASPHALTIC CONCRETE MIX. PG 70-22 (SPC125C) (2 IN.)						
LOCATION	SIDE	STA.	TO	STA.	SF	TONS
MASON STREET	RT	50+70.99	-	54+13.35	5543.28	68
MASON STREET	LT	50+70.99	-	54+13.35	5257.564	64.5
MASON STREET	RT/LT	54+13.35	-	54+64.79	2100.283	25.8
MASON STREET	RT/LT	54+88.79	-	55+39.85	1494.16	18.3
MASON STREET	RT	55+39.85	-	58+80.40	4597.428	56.4
MASON STREET	LT	55+39.85	-	58+80.40	5349.881	65.6
					TOTAL =	298.6

ASPHALTIC CONCRETE MIX. PG 70-22 (SPC190C) (2 IN.)						
LOCATION		STA.	TO	STA.	SF	TONS
MASON STREET	RT	50+70.99	-	54+13.35	5543.28	68
MASON STREET	LT	50+70.99	-	54+13.35	5257.564	64.5
MASON STREET	RT/LT	54+13.35	-	54+64.79	2100.283	25.8
MASON STREET	RT/LT	54+88.79	-	55+39.85	1494.16	18.3
MASON STREET	RT	55+39.85	-	58+80.40	4597.428	56.4
MASON STREET	LT	55+39.85	-	58+80.40	5349.881	65.6
					TOTAL =	298.6

ASPHALTIC CONCRETE MIX. PG 64-22 (SPC250C) (3 IN.)						
LOCATION		STA.	TO	STA.	SF	TONS
MASON STREET	RT	50+70.99	-	54+13.35	5543.28	102
MASON STREET	LT	50+70.99	-	54+13.35	5257.564	96.7
MASON STREET	RT/LT	54+13.35	-	54+64.79	2100.283	38.6
MASON STREET	RT/LT	54+88.79	-	55+39.85	1494.16	27.5
MASON STREET	RT	55+39.85	-	58+80.40	4597.428	84.6
MASON STREET	LT	55+39.85	-	58+80.40	5349.881	98.4
					TOTAL =	447.8

CONCRETE PAVEMENT (8 IN. NON-REINFORCED)						
LOCATION	SIDE	STA.	TO	STA.	SF	SY
MASON STREET	RT	50+70.92	-	51+28.96	524.193	58.2
MASON STREET	RT	51+28.96	-	51+84.73	497.82	55.3
MASON STREET	LT	51+21.18	-	51+67.18	389.42	43.3
MASON STREET	LT	52+87.56	-	53+16.75	259.25	28.8
MASON STREET	RT	52+90.71	-	11+45.41	195.73	21.7
MASON STREET	LT	56+38.40	-	56+64.40	207.73	23.1
MASON STREET	RT	56+36.40	-	56+64.40	195.73	21.7
MASON STREET	RT	56+76.35	-	57+32.35	475.73	52.9
MASON STREET	LT	STP-06E			57.62	6.4
MASON STREET	LT	STP02W			108.26	12.0
MASON STREET	RT	STP07E			47.80	5.3
MASON STREET	RT	STP03W			28.22	3.1
					TOTAL =	331.8

INTEGRAL RETAINING WALL W/ REINFORCING						
LOCATION	SIDE	STA.	TO	STA.	AVG. HEIGHT (FT.)	CY
MASON STREET	LT	50+83.04	-	51+02.47	0.81	0.62
MASON STREET	LT	53+20.01	-	53+48.25	1.05	1.03
MASON STREET	LT	55+10.34	-	55+31.00	0.75	0.64
MASON STREET	LT	55+94.98	-	56+33.38	2.33	2.31
MASON STREET	RT	51+76.07	-	51+96.91	1.04	0.76
MASON STREET	RT	52+61.96	-	52+92.00	1.81	1.52
MASON STREET	RT	53+19.65	-	53+42.05	3.3	1.93
MASON STREET	RT	53+47.05	-	53+68.44	1.41	0.92
MASON STREET	RT	53+76.10	-	53+94.73	1.07	0.69
MASON STREET	RT	54+18.35	-	54+43.20	0.95	0.86
MASON STREET	RT	55+10.20	-	55+29.45	0.34	0.45
MASON STREET	RT	55+74.71	-	56+11.47	1.61	1.72
MASON STREET	RT	57+91.18	-	58+27.87	1.00	1.30
					TOTAL =	14.8

(BID ALT) BITUMINOUS PAVEMENT MIX (7 IN.) (30% RECYCLED, KC METRO APWA TYPE 5-01)						
LOCATION	SIDE	STA.	TO	STA.	SF	TONS
MASON STREET	RT	50+70.99	-	54+13.35	5543.28	238
MASON STREET	LT	50+70.99	-	54+13.35	5257.564	225.7
MASON STREET	RT/LT	54+13.35	-	54+64.79	2100.283	90.2
MASON STREET	RT/LT	54+88.79	-	55+39.85	1494.16	64.1
MASON STREET	RT	55+39.85	-	58+80.40	4597.428	197.4
MASON STREET	LT	55+39.85	-	58+80.40	5349.881	229.7
					TOTAL =	1045.1

CONCRETE CURB RAMP					
STA.	TO	STA.	SIDE	SF	SY
50+33.69	-	50+52.69	RT	82.34	9.1
50+33.69	-	50+52.69	LT	84.28	9.4
52+36.37	-	52+55.37	LT	85.75	9.5
54+38.76	-	54+44.26	RT	59.13	6.6
54+38.81	-	54+43.81	LT	56.56	6.3
54+48.24	-	54+61.36	RT	59.13	6.6
54+48.35	-	54+61.48	LT	59.15	6.6
54+92.10	-	55+05.24	RT	59.16	6.6
54.92.21	-	55+05.34	LT	59.14	6.6
55+09.26	-	55+14.74	RT	69.15	7.7
55+39.85	-	55+14.83	LT	59.14	6.6
57+69.20	-	57+93.18	RT	106.45	11.8
58+59.23	-	58+77.26	RT	95.96	10.7
				TOTAL =	104.1

TRUNCATED DOMES				
STA.	TO	STA.	SIDE	SF
50+40.69	-	50+45.69	LT	10
50+40.69	-	50+45.69	RT	10
52+43.37	-	52+48.37	RT	10
54+38.76	-	54+43.76	LT	10
54+38.81	-	54+43.81	RT	10
54+59.36	-	54+61.36	LT	10
54+59.48	-	54+61.48	RT	10
54+92.10	-	54+94.10	LT	10
54+92.21	-	54+94.21	RT	10
55+09.76	-	55+14.76	LT	10
55+09.81	-	55+14.81	RT	10
57+76.18	-	57+86.18	LT	20
58+66.23	-	58+71.23	LT	10
58+74.23	-	58+76.23	LT	10
		TOTAL =		150

CONCRETE SIDEWALK, 6 IN.					
LOCATION	STA.	TO	STA.	SF	SY
MASON STREET	50+14.24	-	54+64.79	8466.39	940.7
MASON STREET	54+88.79	-	58+80.40	4936.664	548.5
MASON STREET	STP-06E			7.350	0.8
MASON STREET	STP07E			23.150	2.6
MASON STREET	STP03W			46.500	5.2
				TOTAL =	1497.8

CURB & GUTTER TYPE A					
LOCATION	SIDE	STA.	TO	STA.	LF
MASON	RT	50+14.24	-	50+40.69	26
MASON	RT	50+45.69	-	51+21.18	75
MASON	RT	51+67.18	-	52+87.56	120
				TOTAL =	221

*CURB & GUTTER QUANTITIES TAKEN FROM BACK OF CURB

CURB & GUTTER TYPE B					
LOCATION	SIDE	STA.	TO	STA.	LF
MASON STREET	LT	53+16.75	-	54+48.38	201.07
MASON STREET	LT	55+05.37	-	55+39.85	101.45
MASON STREET	LT	55+39.85	-	56+38.40	98.55
MASON STREET	RT	50+18.68	-	50+22.53	3.85
MASON STREET	RT	50+25.45	-	50+33.69	8.24
MASON STREET	RT	50+52.69	-	50+70.92	18.23
MASON STREET	RT	51+84.73	-	52+90.71	105.98
MASON STREET	RT	53+15.71	-	54+45.70	200.57
MASON STREET	RT	55+05.20	-	56+36.40	201.36
MASON STREET	RT	56+64.40	-	56+76.35	11.95
MASON STREET	RT	57+32.35	-	57+69.20	36.85
MASON STREET	RT	57+93.18	-	58+80.40	131.00
				TOTAL =	1119

CURB & GUTTER TYPE C					
LOCATION	SIDE	STA.	TO	STA.	LF
ET	RT	53+15.71	-	54+30.75	115
				TOTAL =	115

*CURB & GUTTER QUANTITIES TAKEN FROM BACK OF CURB

DRIVEWAY CURB & GUTTER					
LOCATION	SIDE	STA.	TO	STA.	LF
MASON ST	LT	52+87.56	-	53+16.75	29.19
MASON ST	LT	56+38.40	-	56+64.40	26.00
MASON ST	RT	50+70.92	-	51+84.73	113.81
MASON ST	RT	52+90.71	-	53+15.71	25.00
MASON ST	RT	56+36.40	-	56+64.40	28.00
MASON ST	RT	56+76.35	-	57+32.35	56.00
				TOTAL =	278

CURB RAMP CURB & GUTTER					
LOCATION	SIDE	STA.	TO	STA.	LF
MASON STREET	RT	50+33.69	-	50+52.69	19.00
MASON STREET	LT	50+33.69	-	50+52.69	19.00
MASON STREET	LT	52+36.37	-	52+55.37	19.00
MASON STREET	RT	54+38.76	-	54+44.26	5.00
MASON STREET	LT	54+38.81	-	54+43.81	5.00
MASON STREET	RT	54+48.24	-	54+61.36	5.00
MASON STREET	LT	54+48.35	-	54+61.48	5.00
MASON STREET	RT	54+92.10	-	55+05.24	5.00
MASON STREET	LT	54.92.21	-	55+05.34	5.00
MASON STREET	RT	55+09.26	-	55+14.74	5.00
MASON STREET	LT	55+39.85	-	55+14.83	5.00
MASON STREET	RT	57+69.20	-	57+93.18	24.00
MASON STREET	RT	58+59.23	-	58+77.26	5.00
MASON STREET	RT	58+80.40	-	58+80.40	5.00
				TOTAL =	131

*CURB & GUTTER QUANTITIES TAKEN FROM BACK OF CURB

4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS					
LOCATION	SIDE	STA.	TO	STA.	LF
MASON STREET	RT	50+29.47	-	50+70.92	68
MASON STREET	LT	50+55.27	-	51+21.68	88
MASON STREET	LT	51+67.18	-	52+30.82	110
MASON STREET	RT	51+83.12	-	52+88.21	181
MASON STREET	LT	52+66.12	-	52+78.85	57
MASON STREET	RT	53+20.42	-	54+38.26	204
MASON STREET	LT	53+26.99	-	54+31.59	175
MASON STREET	RT	55+65.30	-	56+28.94	127
MASON STREET	LT	55+63.86	-	56+40.23	136
MASON STREET	LT	56+79.69	-	57+05.14	45
MASON STREET	RT	57+29.67	-	58+64.00	255
MASON STREET	LT	57+53.67	-	58+04.58	91
				TOTAL =	1536

4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS					
LOCATION	SIDE	STA.	TO	STA.	LF
MASON STREET	CL	50+14.24	-	54+36.29	844
MASON STREET	CL	55+17.29	-	58+80.40	726
				TOTAL =	1570

24 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS					
LOCATION	SIDE	STA.	TO	STA.	LF
MASON STREET	RT	54+36.29	-	-	12
MASON STREET	LT	55+17.29	-	-	12
				TOTAL =	24

INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)					
LOCATION	SIDE	STA.	TO	STA.	EA
MASON STREET	LT	52+49.32	-	-	1
MASON STREET	RT	55+27.00	-	-	1
MASON STREET	LT	55+33.83	-	-	1
MASON STREET	RT	55+46.80	-	-	1
MASON STREET	LT	55+53.63	-	-	1
MASON STREET	LT	57+23.64	-	-	1
MASON STREET	LT	57+43.44	-	-	1
				TOTAL =	7

6 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS					
LOCATION	SIDE	STA.	TO	STA.	LF
MASON STREET	CL	54+38.27	-	-	30
MASON STREET	CL	54+44.76	-	-	30
MASON STREET	CL	54+08.76	-	-	30
MASON STREET	CL	55+15.31	-	-	30
				TOTAL =	120

4 IN. BLUE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS					
LOCATION	SIDE	STA.	TO	STA.	LF
MASON STREET	LT	52+30.82	-	52+66.12	119
MASON STREET	RT	55+14.77	-	55+65.30	159
MASON STREET	LT	55+15.33	-	55+63.86	148
MASON STREET	LT	57+05.14	-	57+53.67	155
				TOTAL =	581

POSTS			
LOCATION	SIDE	STA.	EA
MASON STREET	RT	54+37.26	1
MASON STREET	LT	54+37.31	1
MASON STREET	RT	55+16.27	1
MASON STREET	LT	55+16.31	1
		TOTAL =	4

SH-FLAT SHEET						
LOCATION	SIDE	STA.	SIGN	HEIGHT (IN.)	LENGTH (IN.)	SF
MASON STREET	RT	54+37.26	R1-1	30	30	6
MASON STREET	RT	54+37.26	R1-4	6	18	1
MASON STREET	RT	54+37.26	W11-2	30	30	6
MASON STREET	RT	54+37.26	W16-7pL	12	24	2
MASON STREET	LT	54+37.31	W11-2	30	30	6
MASON STREET	LT	54+37.31	W16-7pR	12	24	2
MASON STREET	RT	55+16.27	W11-2	30	30	6
MASON STREET	RT	55+16.27	W16-7pR	12	24	2
MASON STREET	LT	55+16.31	R1-1	30	30	6
MASON STREET	LT	55+16.31	R1-4	6	18	1
MASON STREET	LT	55+16.31	W11-2	30	30	6
MASON STREET	LT	55+16.31	W16-7pL	12	24	2
					TOTAL =	46

HAND-RAILING FOR STEPS WITHOUT BAULSTERS					
LOCATION	SIDE	STA.	TO	STA.	LENGTH (FT)
MASON STREET	LT	50+83.04	-	51+02.47	19.4
MASON STREET	LT	53+20.01	-	53+48.25	28.2
MASON STREET	LT	55+10.34	-	55+31.00	20.7
MASON STREET	LT	55+94.98	-	56+33.38	38.4
MASON STREET	RT	51+76.07	-	51+96.91	20.8
MASON STREET	RT	52+61.96	-	52+92.00	30.0
MASON STREET	RT	53+19.65	-	53+42.05	22.4
MASON STREET	RT	53+47.05	-	53+68.44	21.4
MASON STREET	RT	53+76.10	-	53+94.73	18.6
MASON STREET	RT	54+18.35	-	54+43.20	24.8
MASON STREET	RT	55+10.20	-	55+29.45	19.3
MASON STREET	RT	55+74.71	-	56+11.47	36.8
MASON STREET	RT	57+91.18	-	58+27.87	36.7
				TOTAL =	338

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ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
07-18-2025

DRAWING INFO:
FIELD BY:
DRAWN BY: NDO
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

REVISIONS

NO.	DESCRIPTION	BY	DATE
1.	PLANS FOR BID	KEL	09/30/25

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QUANTITY BREAKDOWN
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 04 OF 81

G:\Shared Drives\AE MO\Odessa\210CAD\15 - TAP-9901(443) Odessa 2nd St Downtown\CAD\Plans\Typical Sections

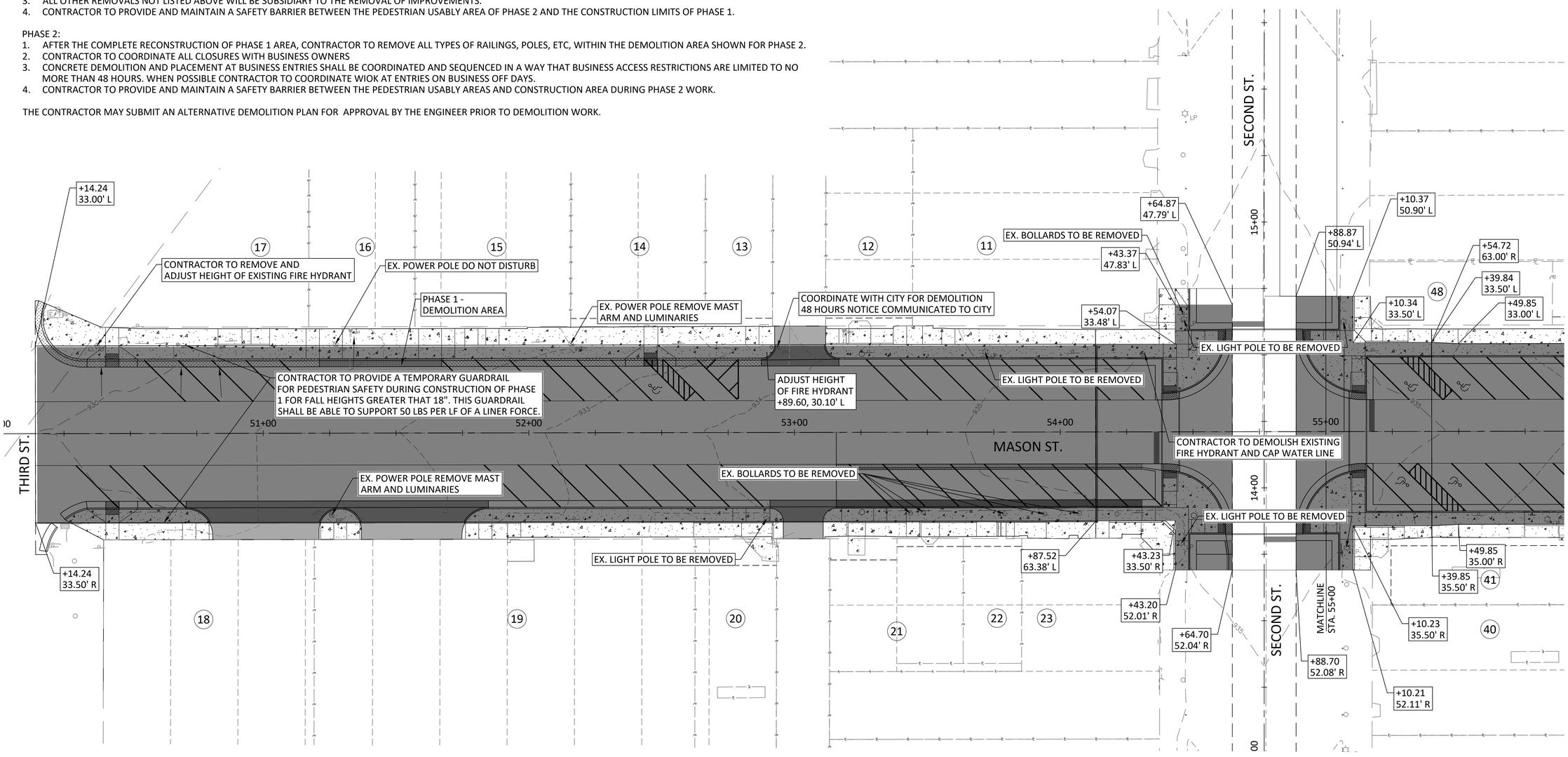
DEMOLITION NOTES:
CONTRACTOR CAN SUBMIT REVISED PHASING PLAN & BID ALTERNATE, USING REMOVAL OF IMPROVEMENT BID ALTERNATE WITH APPROVAL FROM CITY AND ENGINEER.
CONTRACTOR TO COORDINATE WITH CITY DURING THE DEMOLITION PHASE TO ENSURE THAT EXISTING POLES THAT ARE IN CONFLICT CAN BE REMOVED AND RELOCATED (PER CITY).

PHASE 1:
1. CONTRACTOR COMMUNICATES WITH CITY.
2. CONTRACTOR TO REMOVE ALL TYPES OF PAVEMENT, RAILINGS, POLES, ETC. WITHIN THE DEMOLITION AREA AS SHOWN FOR EACH PHASE.
3. ALL OTHER REMOVALS NOT LISTED ABOVE WILL BE SUBSIDIARY TO THE REMOVAL OF IMPROVEMENTS.
4. CONTRACTOR TO PROVIDE AND MAINTAIN A SAFETY BARRIER BETWEEN THE PEDESTRIAN USABLY AREA OF PHASE 2 AND THE CONSTRUCTION LIMITS OF PHASE 1.

PHASE 2:
1. AFTER THE COMPLETE RECONSTRUCTION OF PHASE 1 AREA, CONTRACTOR TO REMOVE ALL TYPES OF RAILINGS, POLES, ETC, WITHIN THE DEMOLITION AREA SHOWN FOR PHASE 2.
2. CONTRACTOR TO COORDINATE ALL CLOSURES WITH BUSINESS OWNERS
3. CONCRETE DEMOLITION AND PLACEMENT AT BUSINESS ENTRIES SHALL BE COORDINATED AND SEQUENCED IN A WAY THAT BUSINESS ACCESS RESTRICTIONS ARE LIMITED TO NO MORE THAN 48 HOURS. WHEN POSSIBLE CONTRACTOR TO COORDINATE WIOK AT ENTRIES ON BUSINESS OFF DAYS.
4. CONTRACTOR TO PROVIDE AND MAINTAIN A SAFETY BARRIER BETWEEN THE PEDESTRIAN USABLY AREAS AND CONSTRUCTION AREA DURING PHASE 2 WORK.

THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE DEMOLITION PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO DEMOLITION WORK.

PARCEL	OWNER
48	HERITAGE INVESTMENT PARTNERS, LLC



PARCEL	OWNER
11	DIANE E. WHITE
12	BORGMAN'S DAIRY FARM LLC
13	JHW INVESTMENTS, LLC
14	MARTINKO ENTERPRISES LLC
15	HOLLOW POINT ACRES LLC
16	HOLLOW POINT ACRES LLC
17	HD GRAPHICS & APPAREL, LLC

PARCEL	OWNER
18	BRIAN & HALEY CORN
19	JOSEPH D. & JAMES B. SPAAR
20	JOSEPH & JAMIE WIMBERLY
21	MIKEL BUD & BETTINA CHRISTIANE, KNIGHT
22	DONALD & DEBORAH WHITSITT
23	BANK OF ODESSA

PLAN
20 (IN FEET) 0 10 20

PARCEL	OWNER
40	WOODRUFF'S RE HOLDINGS LLC
41	HERITAGE INVESTMENT PARTNERS, LLC

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ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
09/18/2025

DRAWING INFO.
FIELD BY: NDO
DRAWN BY:
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-89010(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

REVISIONS

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DEMOLITION PLAN - PHASE 1

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28W
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 05 OF 81

S:\Shared drives\KC\Odessa\2\CAD\15 - TAP\89010(443) Odessa - 2nd St Downtown\CAD\Plans\Demo Plan

DEMOLITION NOTES:

ANY REQUESTED REVISIONS TO THE PHASING SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW/APPROVAL.
CONTRACTOR TO COORDINATE WITH CITY DURING THE DEMOLITION PHASE TO ENSURE THAT EXISTING POLES THAT ARE IN CONFLICT CAN BE REMOVED AND RELOCATED (BY CITY).

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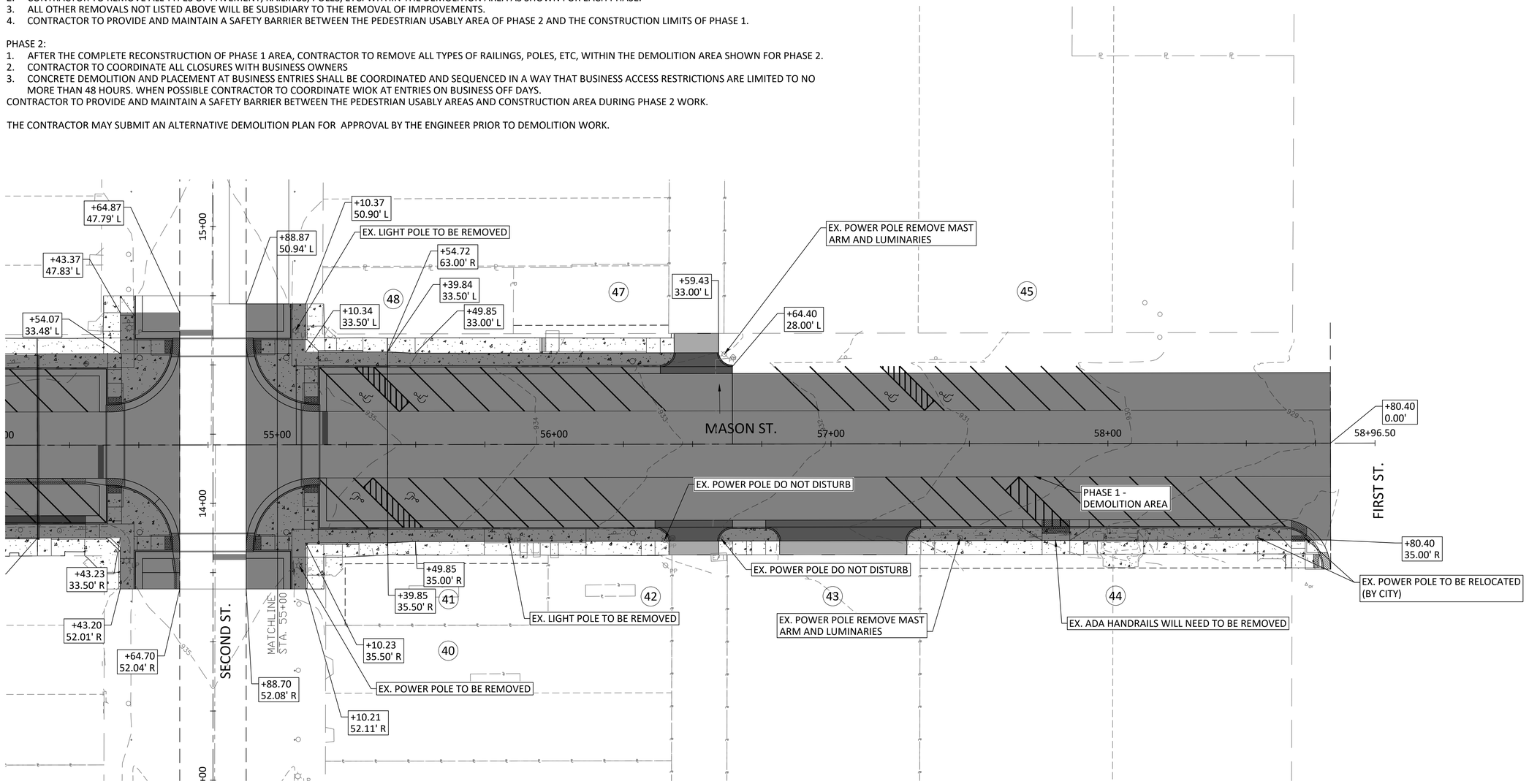
THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE DEMOLITION PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO DEMOLITION WORK.

PARCEL	OWNER
45	TRAILS REGIONAL LIBRARY CONSOIDATED PUBLIC LIBRARY DISTRICT #4
47	JEFFREY B & DEANNA M, GASH
48	HERITAGE INVESTMENT PARTNERS, LLC



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PARCEL	OWNER
40	WOODRUFF'S RE HOLDINGS LLC
41	HERITAGE INVESTMENT PARTNERS, LLC
42	HERITAGE INVESTMENT PARTNERS, LLC
43	JHW INVESTMENTS, LLC
44	ADAMS EVENT CENTER LLC

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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9/18/2025

DRAWING INFO.
FIELD BY:
DRAWN BY: NDO
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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DEMOLITION PLAN - PHASE 1

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 06 OF 81

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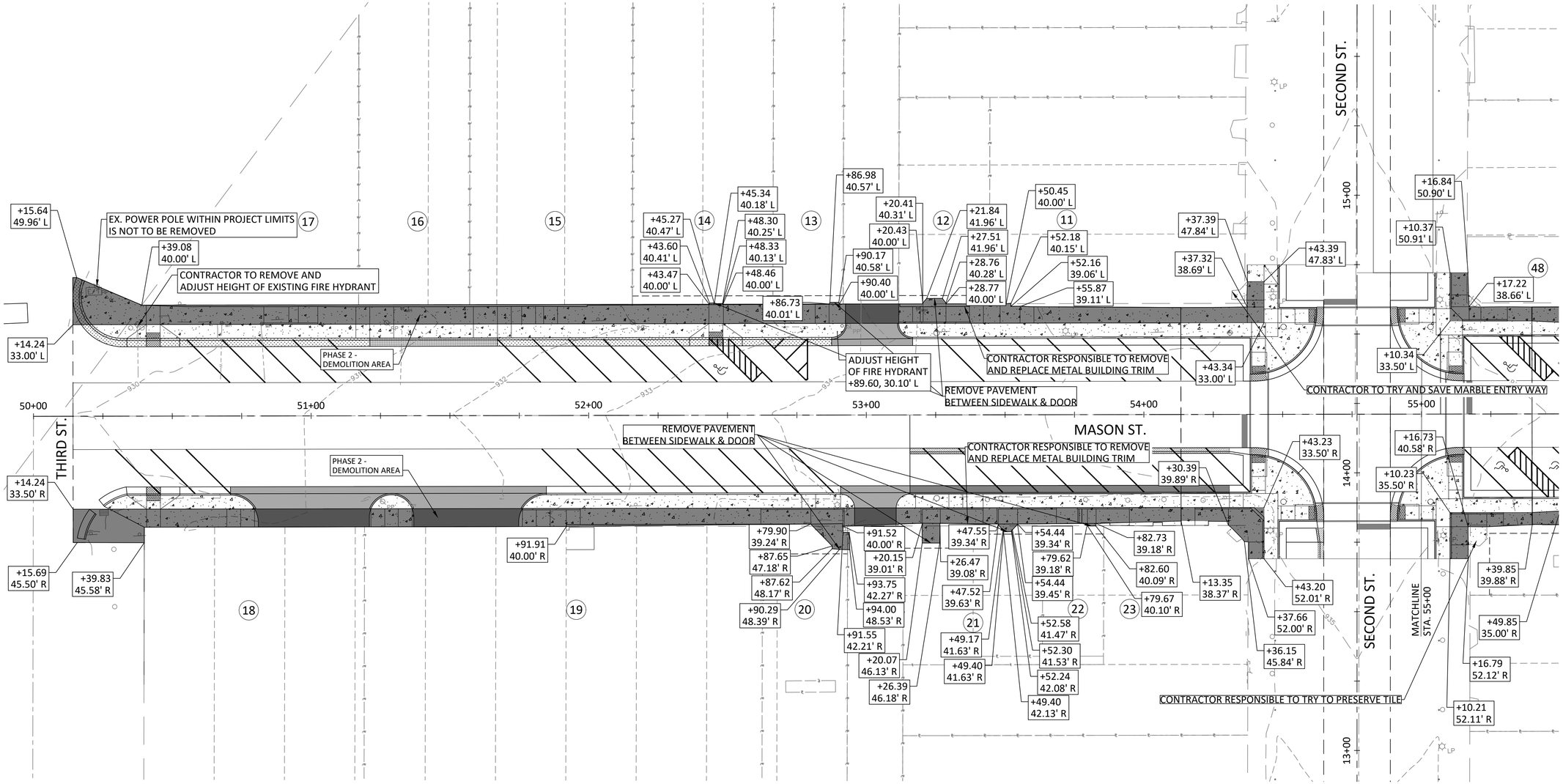
DEMOLITION NOTES:
THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE DEMOLITION PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO DEMOLITION WORK.

PARCEL	OWNER
48	HERITAGE INVESTMENT PARTNERS, LLC



PARCEL	OWNER
11	DIANE E. WHITE
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PLAN
20 (IN FEET) 0 10 20

PARCEL	OWNER
40	WOODRUFF'S RE HOLDINGS LLC
41	HERITAGE INVESTMENT PARTNERS, LLC

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ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
09/18/2025

DRAWING INFO.
FIELD BY:
DRAWN BY: NDO
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-8901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

REVISIONS

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DEMOLITION PLAN - PHASE 2

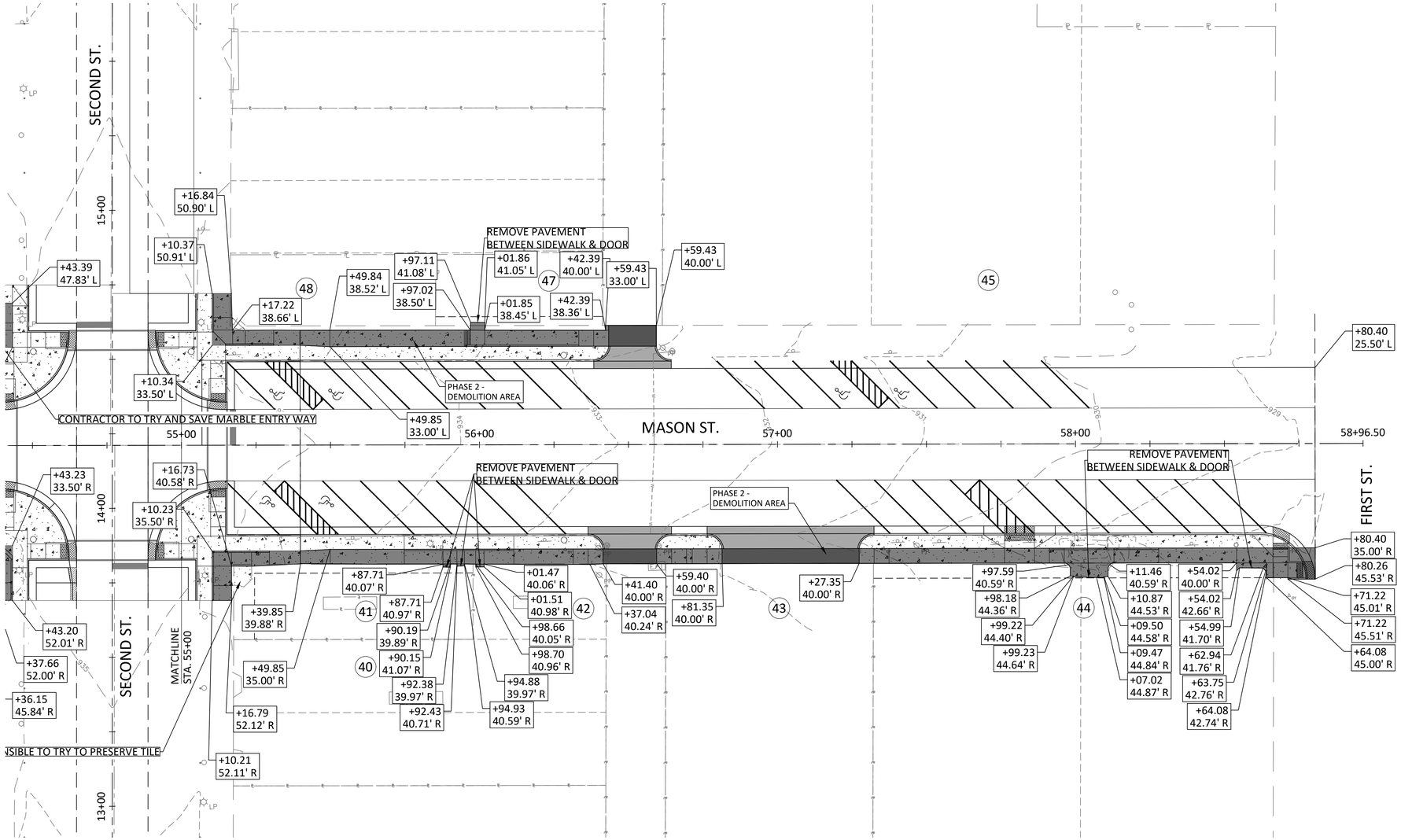
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 07 OF 81

G:\Shared drives\MO Odessa\2 ACCDATA - TAP\8901(443) Odessa - 2nd St Downtown\CAD\Plans\Demo Plan

DEMOLITION NOTES:
THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE DEMOLITION PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO DEMOLITION WORK.

PARCEL	OWNER
45	TRAILS REGIONAL LIBRARY CONSOIDATED PUBLIC LIBRARY DISTRICT #4
47	JEFFREY B & DEANNA M, GASH
48	HERITAGE INVESTMENT PARTNERS, LLC



PLAN
20 (IN FEET) 0 10 20

PARCEL	OWNER
40	WOODRUFF'S RE HOLDINGS LLC
41	HERITAGE INVESTMENT PARTNERS, LLC
42	HERITAGE INVESTMENT PARTNERS, LLC
43	JHW INVESTMENTS, LLC
44	ADAMS EVENT CENTER LLC

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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
09/18/2025

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DRAWN BY: NDO
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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DEMOLITION PLAN - PHASE 2

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 08 OF 81

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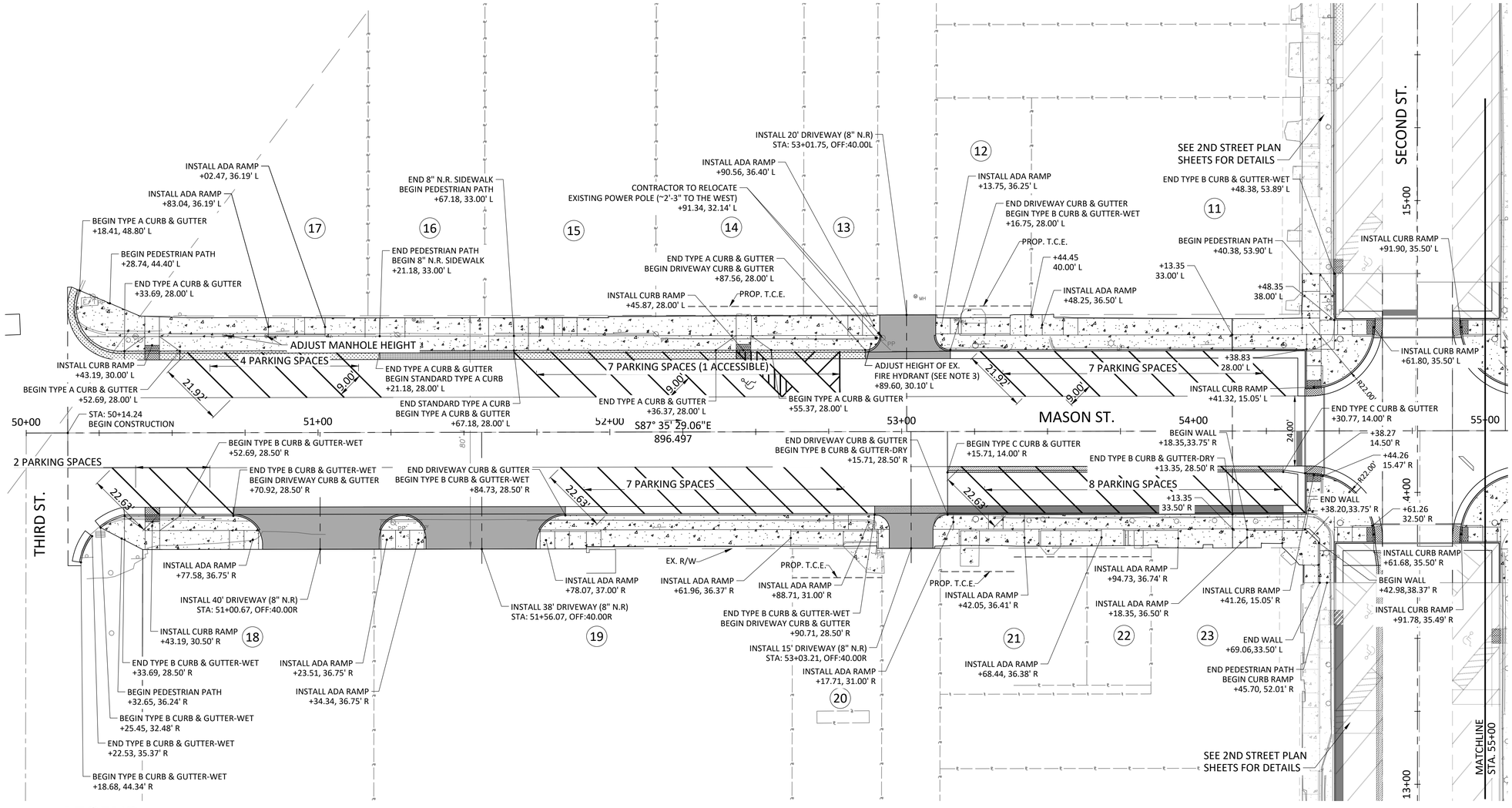
NOTES:

1. SEE DETAILED GRADING SHEETS FOR SPOT ELEVATIONS, SLOPES AND DIMENSIONS FOR CURB RAMPS & STAIRS.
2. CONTRACTOR TO INSTALL FILTER SOCKS ON ALL EXISTING INLETS WITHIN PROJECT LIMITS.
3. CONTRACTOR SHALL INSTALL RISERS ON EXISTING FIRE HYDRANT ASSEMBLY TO MEET PROPOSED ELEVATIONS.
4. CONTRACTOR SHALL COORDINATE WITH THE CITY TO VERIFY POLE IS MIN. 3' DISTANCE FROM THE EXISTING FIRE HYDRANT.



LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- ADA CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- ADA CURB & GUTTER (WET)
- STANDARD TYPE 'A' CURB

PARCEL	OWNER
11	DIANE E. WHITE
12	BORGMAN'S DAIRY FARM LLC
13	JHW INVESTMENTS, LLC
14	MARTINKO ENTERPRISES LLC
15	HOLLOW POINT ACRES LLC
16	HOLLOW POINT ACRES LLC
17	HD GRAPHICS & APPAREL, LLC

PARCEL	OWNER
18	BRIAN & HALEY CORN
19	JOSEPH D. & JAMES B. SPAAR
20	JOSEPH & JAMIE WIMBERLY
21	MIKEL BUD & BETTINA CHRISTIANE, KNIGHT
22	DONALD & DEBORAH WHITSITT
23	BANK OF ODESSA

PLAN
20 (IN FEET) 0 10 20

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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
09/18/2025

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FIELD BY:
DRAWN BY: NDO
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FIELD BOOK:
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NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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GENERAL PLAN
MASON STREET HISTORICAL DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 09 OF 81

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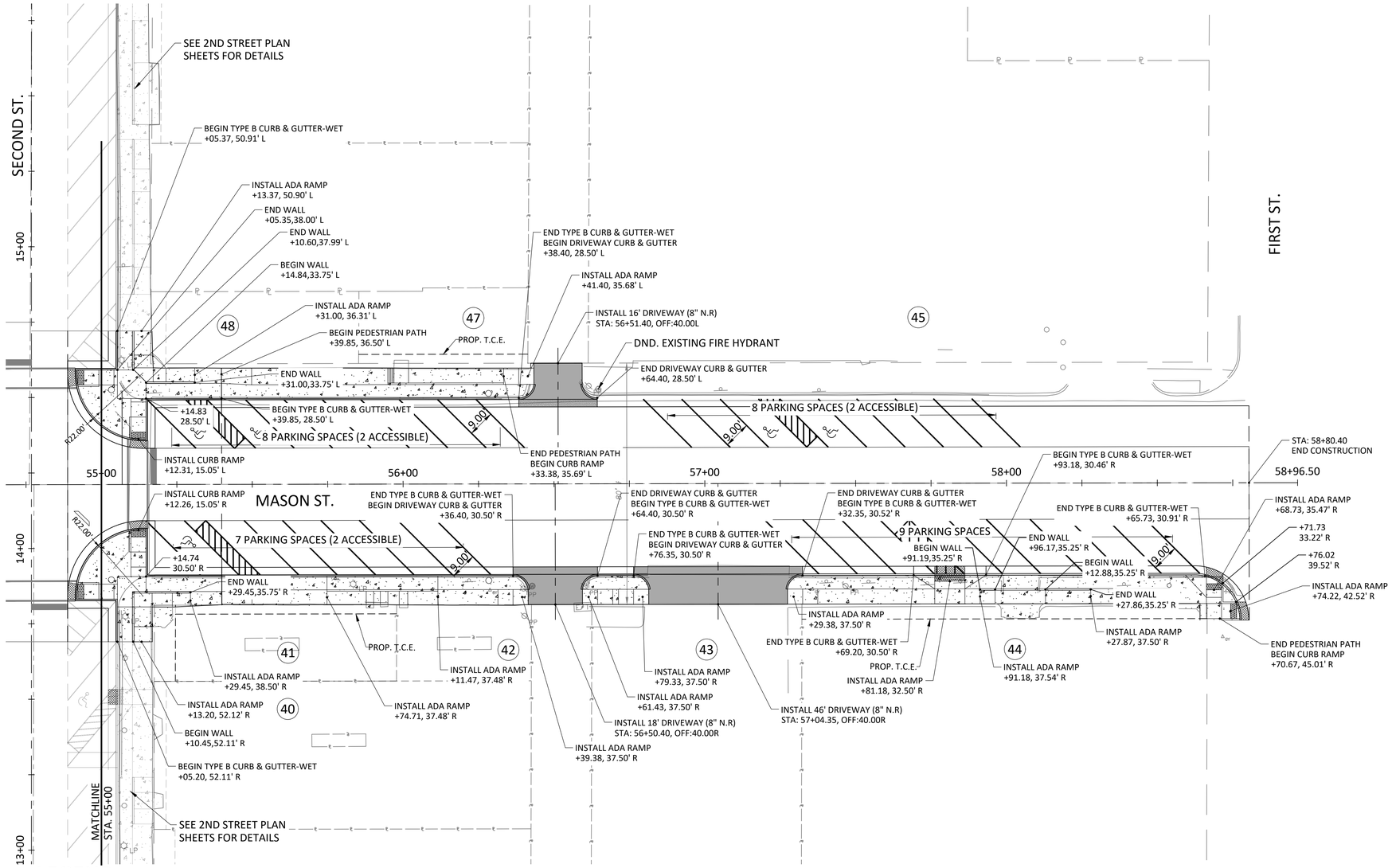
NOTES:

1. SEE DETAILED GRADING SHEETS FOR SPOT ELEVATIONS, SLOPES AND DIMENSIONS FOR CURB RAMPS & STAIRS.
2. CONTRACTOR TO INSTALL FILTER SOCKS ON ALL EXISTING INLETS WITHIN PROJECT LIMITS.

PARCEL	OWNER
45	TRAILS REGIONAL LIBRARY CONSOIDATED PUBLIC LIBRARY DISTRICT #4
47	JEFFREY B & DEANNA M, GASH
48	HERITAGE INVESTMENT PARTNERS, LLC



PARCEL	OWNER
40	WOODRUFF'S RE HOLDINGS LLC
41	HERITAGE INVESTMENT PARTNERS, LLC
42	HERITAGE INVESTMENT PARTNERS, LLC
43	JHW INVESTMENTS, LLC
44	ADAMS EVENT CENTER LLC

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- ADA CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- ADA CURB & GUTTER (WET)
- STANDARD TYPE 'A' CURB

PLAN
20 (IN FEET) 0 10 20

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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2625008037
PROFESSIONAL ENGINEER
9/18/2025

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FIELD BY:
DRAWN BY: NDO
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DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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GENERAL PLAN
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 10 OF 81

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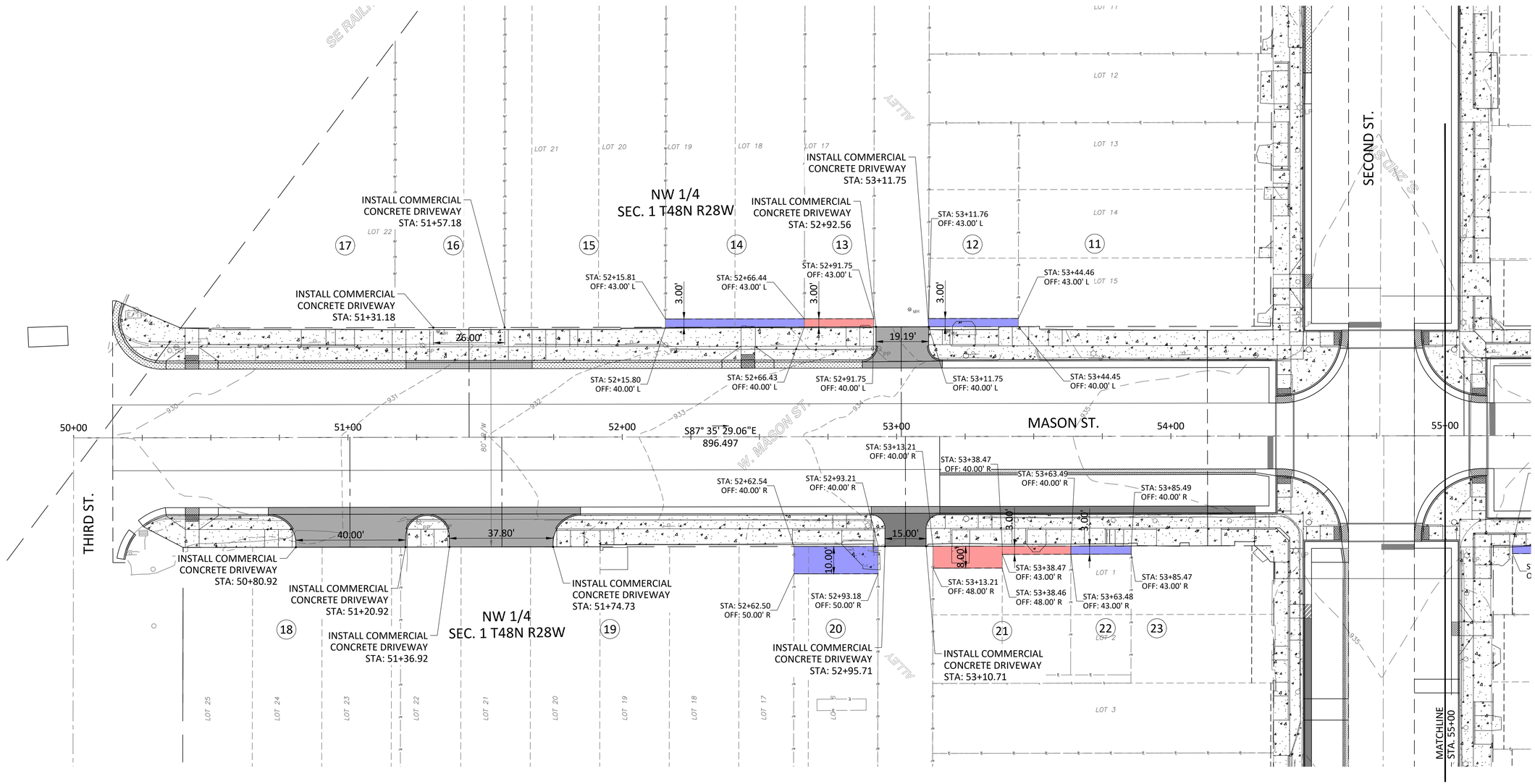
PROPERTY OWNERS			
TRACT	TOTAL SQ.FT.	TCE SQ.FT.	REMAINING SQ.FT.
11	6926	446	6926
12	2439	98	2439
13	3136	76	3136
14	6273	152	6273
15	7492		7492
16	5009		5009
17	42688		42688

PARCEL	OWNER
11	DIANE E. WHITE
12	BORGMAN'S DAIRY FARM LLC
13	JHW INVESTMENTS, LLC
14	MARTINKO ENTERPRISES LLC
15	HOLLOW POINT ACRES LLC
16	HOLLOW POINT ACRES LLC
17	HD GRAPHICS & APPAREL, LLC



PROPERTY OWNERS			
TRACT	TOTAL SQ.FT.	TCE SQ.FT.	REMAINING SQ.FT.
18	11021		11021
19	16509		16509
20	3746	307	3746
21	2396	277	2396
22	1045	66	1045
23	5968	426	5968

PARCEL	OWNER
18	BRIAN & HALEY CORN
19	JOSEPH D. & JAMES B. SPAAR
20	JOSEPH & JAMIE WIMBERLY
21	MIKEL BUD & BETTINA CHRISTIANE, KNIGHT
22	DONALD & DEBORAH WHITSITT
23	BANK OF ODESSA

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ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9/18/2025

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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CHECK BY:	
DATE:	9/18/2025
FIELD BOOK:	
JOB NUMBER:	TAP-8901(443)

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RIGHT-OF-WAY PLAN

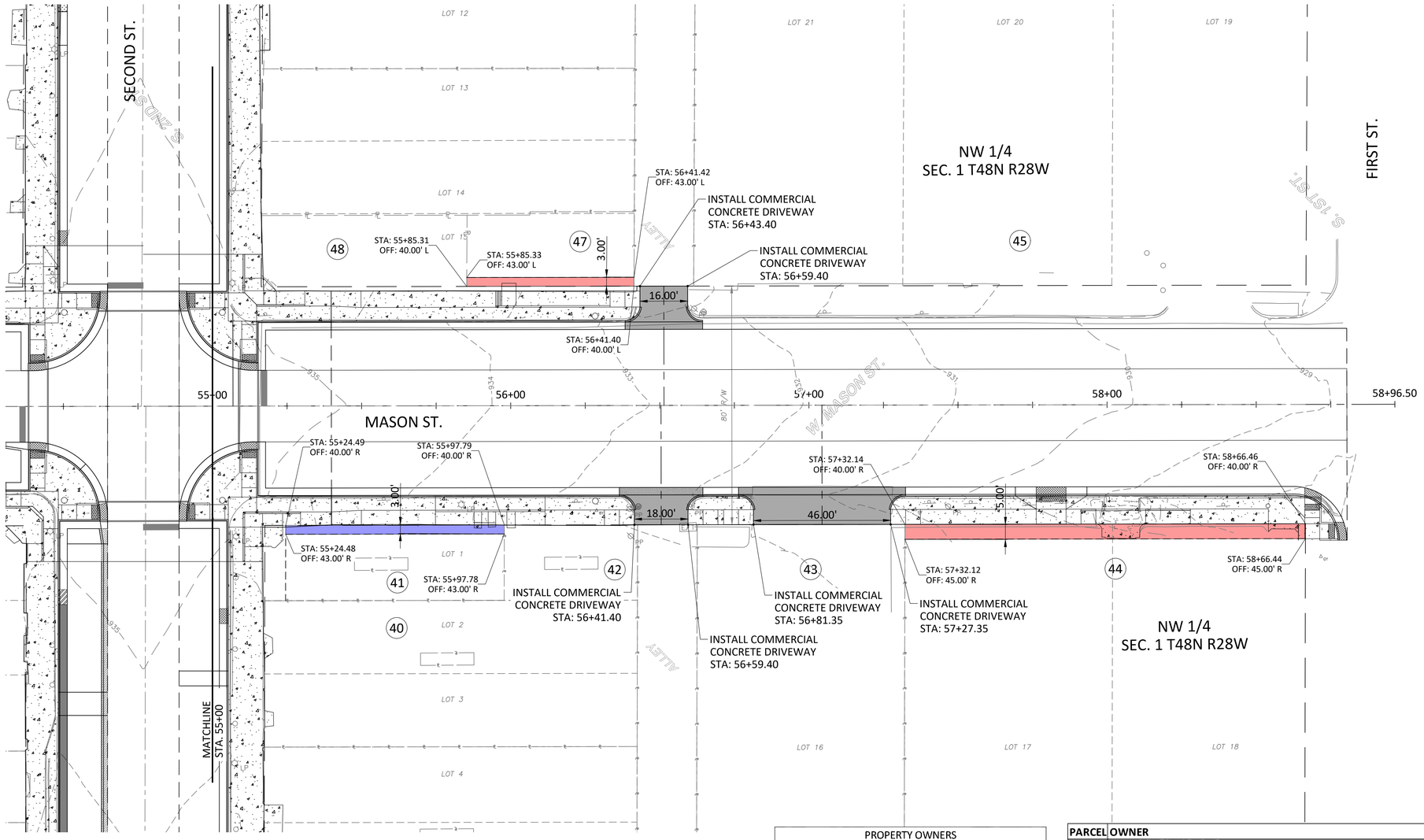
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 11 OF 81

G:\Shared drives\AEI MO\Odessa\21ACO0010 - TAP-8901(443) (Odessa 2nd St Downtown)\CAD\Plans\RW Plans

PROPERTY OWNERS			
TRACT	TOTAL SQ.FT.	TCE SQ.FT.	REMAINING SQ.FT.
45	28880		28880
47	1394	168	1394
48	1642	120	1642

PARCEL	OWNER
45	TRAILS REGIONAL LIBRARY CONSOIDATED PUBLIC LIBRARY DISTRICT #4
47	JEFFREY B & DEANNA M, GASH
48	HERITAGE INVESTMENT PARTNERS, LLC



PROPERTY OWNERS			
TRACT	TOTAL SQ.FT.	TCE SQ.FT.	REMAINING SQ.FT.
41	2004	397	2004
42	1133		1133
43	12240		12240
44	23610	672	23610

PARCEL	OWNER
40	WOODRUFF'S RE HOLDINGS LLC
41	HERITAGE INVESTMENT PARTNERS, LLC
42	HERITAGE INVESTMENT PARTNERS, LLC
43	JHW INVESTMENTS, LLC
44	ADAMS EVENT CENTER LLC

PLAN
20 (IN FEET) 0 10 20

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ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9/18/2025

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DRAWN BY: NDO
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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RIGHT-OF-WAY PLAN

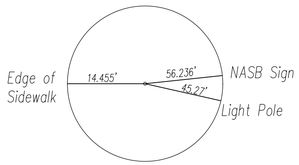
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 12 OF 81

G:\Shared Drives\ASI MO\Odessa\21MSCA0015 - TAP-9901(443) Odessa 2nd E Downtown\CAD\Plan\ROW Plans

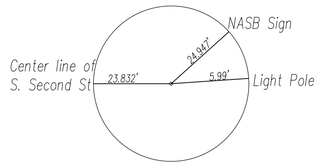
CONTROL POINT ONLY
(10)



N: 1031427.83 (GROUND)
E: 2943946.03 (GROUND)

N: 1031427.830 (GRID)
E: 2943946.030 (GRID)

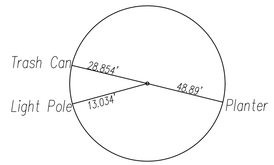
CONTROL POINT ONLY
(11)



N: 1031417.05 (GROUND)
E: 2943983.38 (GROUND)

N: 1031417.050 (GRID)
E: 294383.380 (GRID)

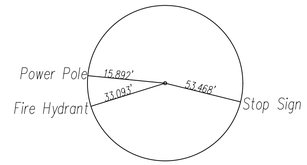
CONTROL POINT ONLY
(12)



N: 103179.39 (GROUND)
E: 2943958.14 (GROUND)

N: 1031798.390 (GRID)
E: 2943958.140 (GRID)

CONTROL POINT ONLY
(15)



N: 1031876.64 (GROUND)
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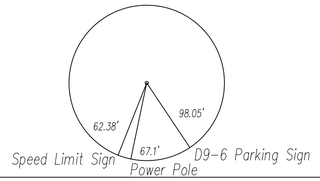
N: 1031876.640 (GRID)
E: 2943965.790 (GRID)

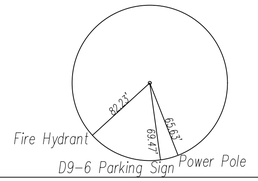
CONTROL POINT ONLY
(18)



N: 1032319.17 (GROUND)
E: 2943979.03 (GROUND)

N: 1032319.170 (GRID)
E: 2943979.030 (GRID)

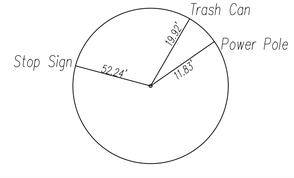
CONTROL POINT ONLY
(19)



N: 1032313.31 (GROUND)
E: 2944015.96 (GROUND)

N: 1032313.310 (GRID)
E: 2944015.960 (GRID)

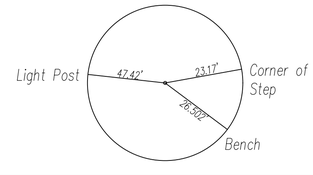
CONTROL POINT ONLY
(23)



N: 1031867.62 (GROUND)
E: 2943999.57 (GROUND)

N: 1031867.620(GRID)
E: 2943999.570 (GRID)

CONTROL POINT ONLY
(27)



N: 1031789.45 (GROUND)
E: 2943992.69 (GROUND)

N: 1031789.450 (GRID)
E: 2943992.690 (GRID)

MASON STREET DOWNTOWN SIDEWALK IMPROVEMENTS
A/E PROJECT NO.: 23KC40030
HORIZONTAL DATUM:
MISSOURI STATE PLANE, 1983, WEST ZONE
(2011 ADJUSTMENT)

VERTICAL DATUM:
NAVD 88 w/ GEOID 18

CONTROL WAS ESTABLISHED FROM: MODOT VRS

COMBINED ADJUSTMENT FACTOR: 0.99992403 (1/X = 1.00007597)
POINTS AND LINE WORK ARE GROUND DISTANCES SCALED ABOUT THE ORIGIN (0,0,0)

ANDERSON ENGINEERING
EMPLOYEE OWNED
ENGINEERS - SURVEYORS - LABORATORIES - DRILLING
941 W. 141ST TERRACE • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-0400
ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE: 2025008037
PROFESSIONAL ENGINEER
9/18/2025

DRAWING INFO:
FIELD BY:
DRAWN BY: NDO
CHECK BY:
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FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

REVISIONS

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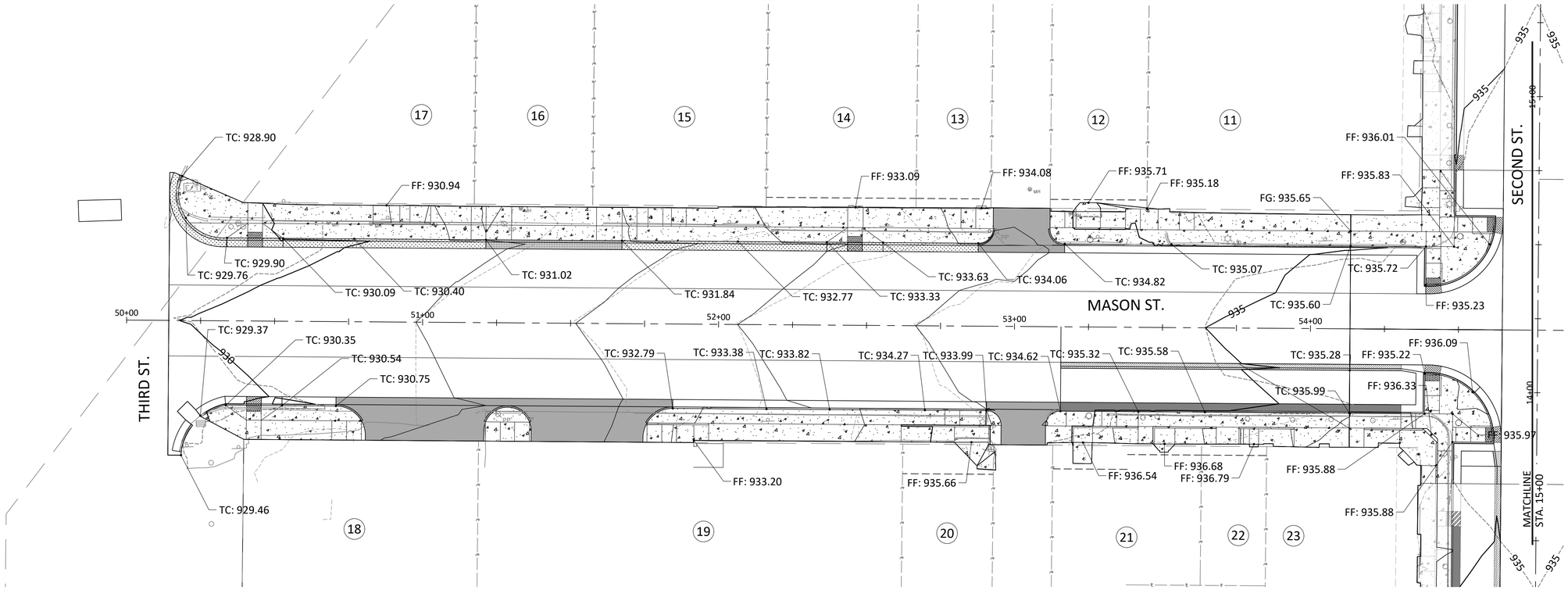
REF. POINT & CONTROL POINTS
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 13 OF 81

G:\Shared drives\MO Odessa\2 PROJECTS - TAP\9901(443) Odessa - 2nd St Downtown\CAD\DP\sheet\SP - CP SHEET - Mason



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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE: 2025008037
PROFESSIONAL ENGINEER
9/18/2025

DRAWING INFO.
FIELD BY:
DRAWN BY: CAW
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GRADING PLAN
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 14
OF 81

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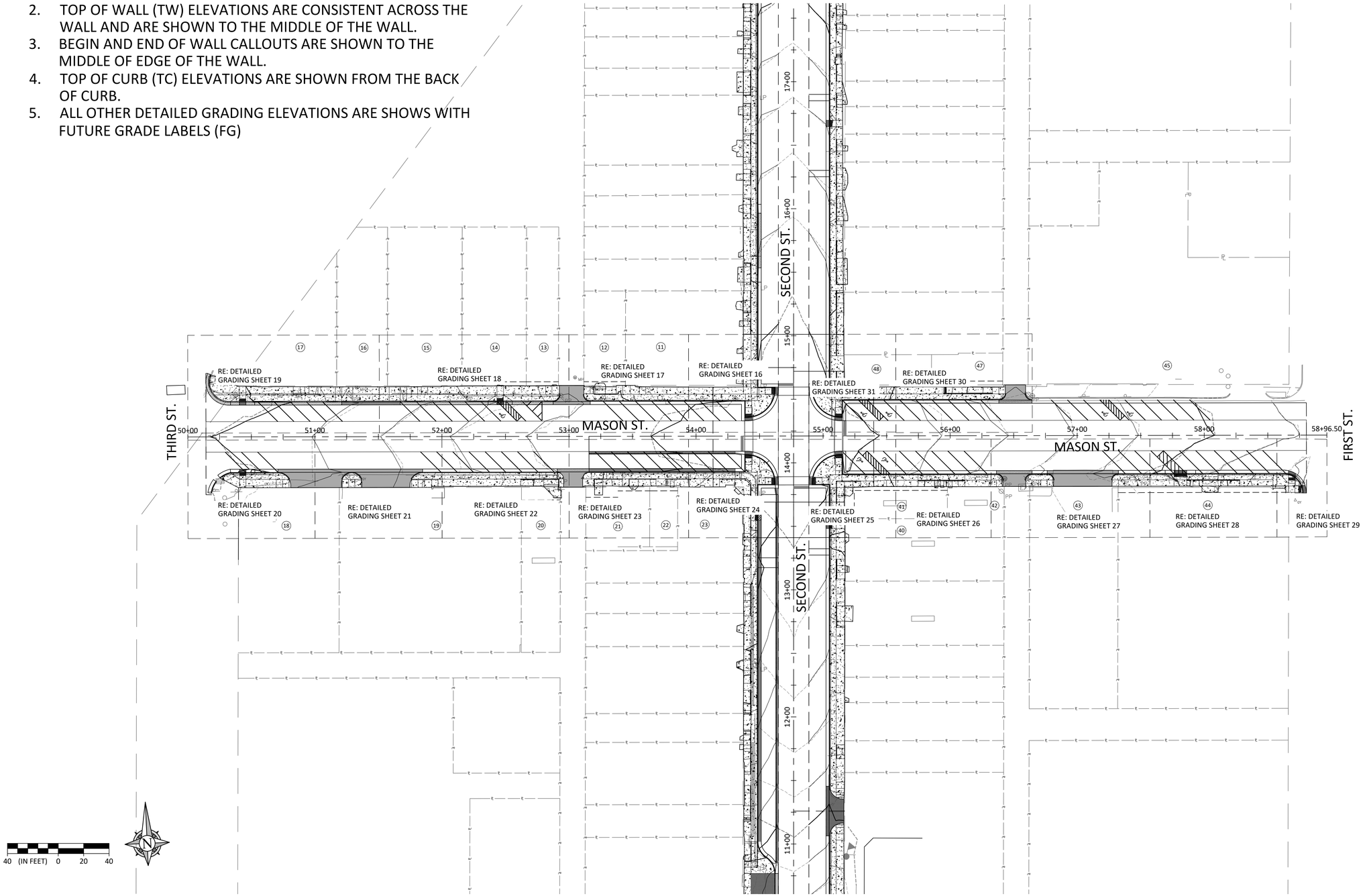
DETAILED GRADING NOTES:

1. RISER ELEVATIONS (RE) ON DETAILED GRADING SHEETS ARE SHOWN TO THE MIDDLE OF THE STEP.
2. TOP OF WALL (TW) ELEVATIONS ARE CONSISTENT ACROSS THE WALL AND ARE SHOWN TO THE MIDDLE OF THE WALL.
3. BEGIN AND END OF WALL CALLOUTS ARE SHOWN TO THE MIDDLE OF EDGE OF THE WALL.
4. TOP OF CURB (TC) ELEVATIONS ARE SHOWN FROM THE BACK OF CURB.
5. ALL OTHER DETAILED GRADING ELEVATIONS ARE SHOWS WITH FUTURE GRADE LABELS (FG)



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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9/18/2025

DRAWING INFO.	
FIELD BY:	
DRAWN BY:	CAW
CHECK BY:	
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REVISIONS			
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DETAILED GRADING LAYOUT

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 15 OF 81

G:\Shared Drives\ASI MO\Odessa\21MO0014 - TAP-8901(443) Odessa 2nd St Downtown\CAD\Plans\Detailed Grading

12

11

CONTRACTOR RESPONSIBLE TO REMOVE AND REPLACE METAL BUILDING TRIM

FG: 935.00

BEGIN WALL & INSTALL HAND-RAILING
+20.26, 38.94' L
EL: 935.20

FG: 934.56
FG: 934.71
FG: 934.46
1.00'
5.00'
2.76'
-4.90%
-3.55%
FF: 935.68
FG: 935.68
8.49'
5.00'
FG: 935.25
FG: 935.21
6.00'
FG: 935.14
7.20'
-1.14%
FG: 935.21
8.25'
5.50'
-1.00%
-1.00%
5.53'
-1.00%
-2.00%
6.50'
-2.00%
-1.00%
6.10'
-1.00%
FG: 935.15
RE: 935.65
BS: 935.17
-4.90%
-0.76%
-5.65%
-1.20%
-0.18%
-1.14%
FG: 935.62
FG: 934.52
FG: 935.62
TW: 935.84
FG: 934.53
FG: 935.14
FG: 935.08
FG: 934.79
-1.00%
5.00'
FG: 934.61
FG: 935.15
FG: 935.07
TC: 935.02
FG: 934.76
END WALL & END HAND-RAILING
+48.25, 33.25' L
EL: 935.07

MASON ST.

53+00
53+25
53+50
53+75
54+00

5 (IN FEET) 0 2.5 5

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- STANDARD TYPE 'A' CURB
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

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NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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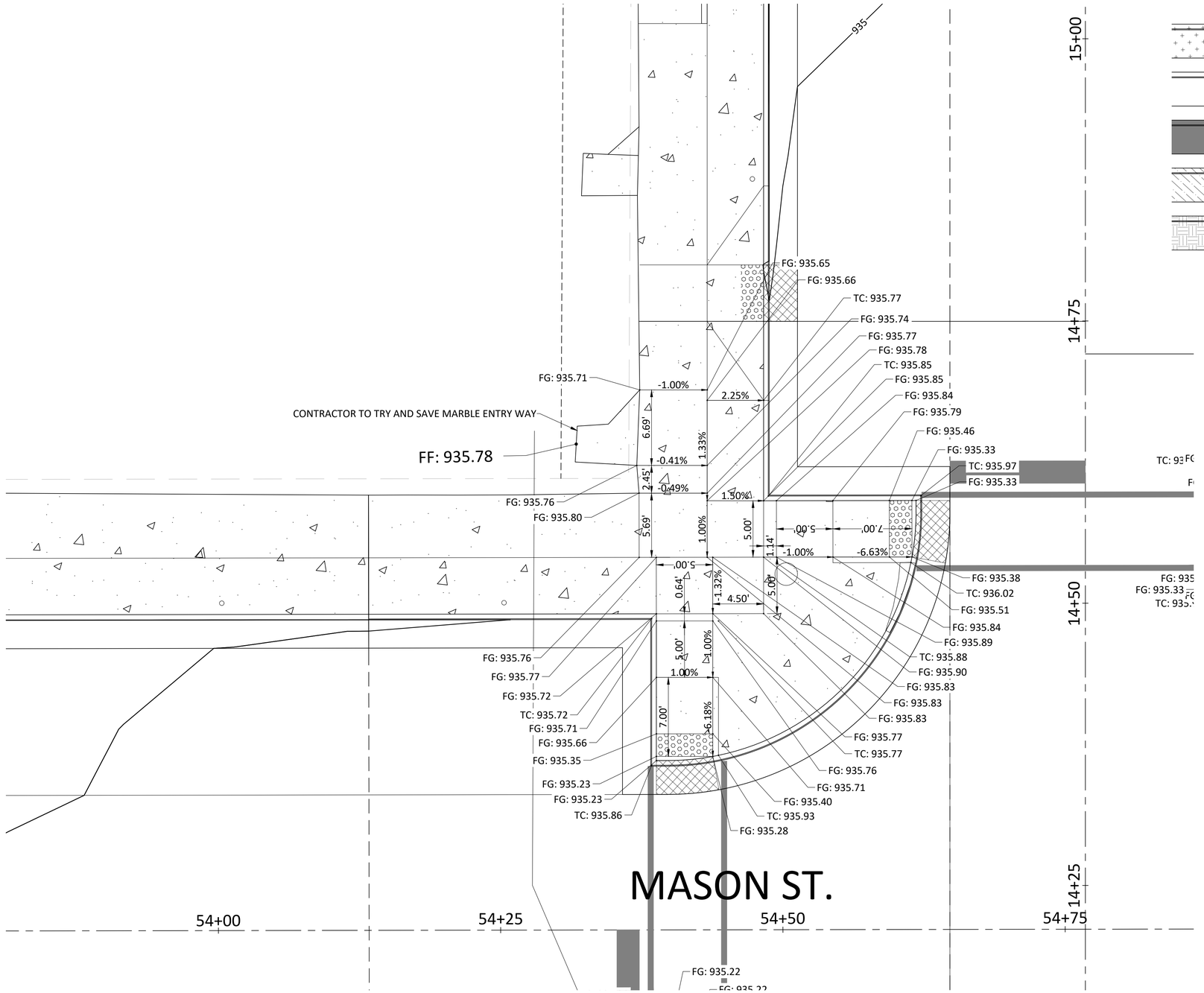

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- STANDARD TYPE 'A' CURB
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

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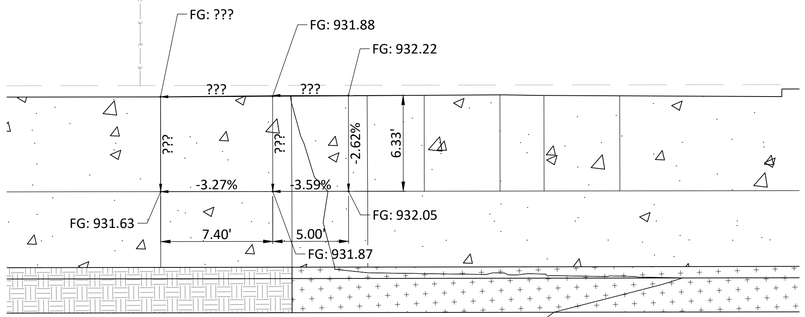
15

14

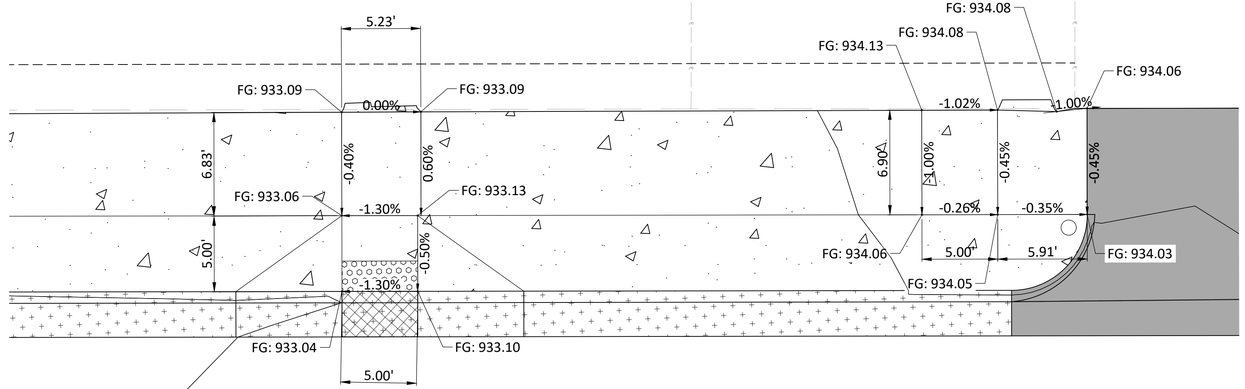
LEGEND

- TYPE 'A' CURB & GUTTER
- ADA CURB & GUTTER (DRY)
- TYPE 'B' CURB & GUTTER (WET)
- ADA CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- FG: XXX.XX — FUTURE GRADE ELEV.
- TYPE 'C' CURB & GUTTER
- RE: XXX.XX — RISER ELEV. (STEPS)
- TC: XXX.XX — TOP OF CURB ELEV.
- STANDARD TYPE 'A' CURB
- TW: XXX.XX — TOP OF WALL ELEV.



MASON ST.

51+50 51+75 52+(



MASON ST.

52+25 52+50 52+75 53+00

5 (IN FEET) 0 2.5 5

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LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- STANDARD TYPE 'A' CURB
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

17

THIRD ST.

MASON ST.

FG: 929.95
5.00'
-1.05%
FG: 930.00
FG: 929.88
6.94'
-1.00%
-1.09%
FG: 929.93
5.00'
-7.21%
-7.25%
-1.05%
FG: 929.52
FG: 929.57
FG: 930.63
FG: 931.26
FG: 931.26
FG: 930.97
FG: ???
FG: ???
FG: ???
???
???
???
???
???
???
FG: 930.57
-1.00%
FG: 931.20
-7.04%
-1.00%
FG: 931.20
-4.08%
1.00%
FG: 930.92
-0.59%
0.42%
1.63%
FG: 931.01
FG: 931.12
BEGIN WALL & INSTALL HAND-RAILING +83.04, 33.25' L EL: 930.57
TW: 931.37
END WALL & END HAND-RAILING +02.47, 33.25' L EL: 930.91
17.37'
5.00'
5.00'
FG: 931.03
50+25
50+50
50+75
51+00
51+25
5 (IN FEET) 0 2.5 5

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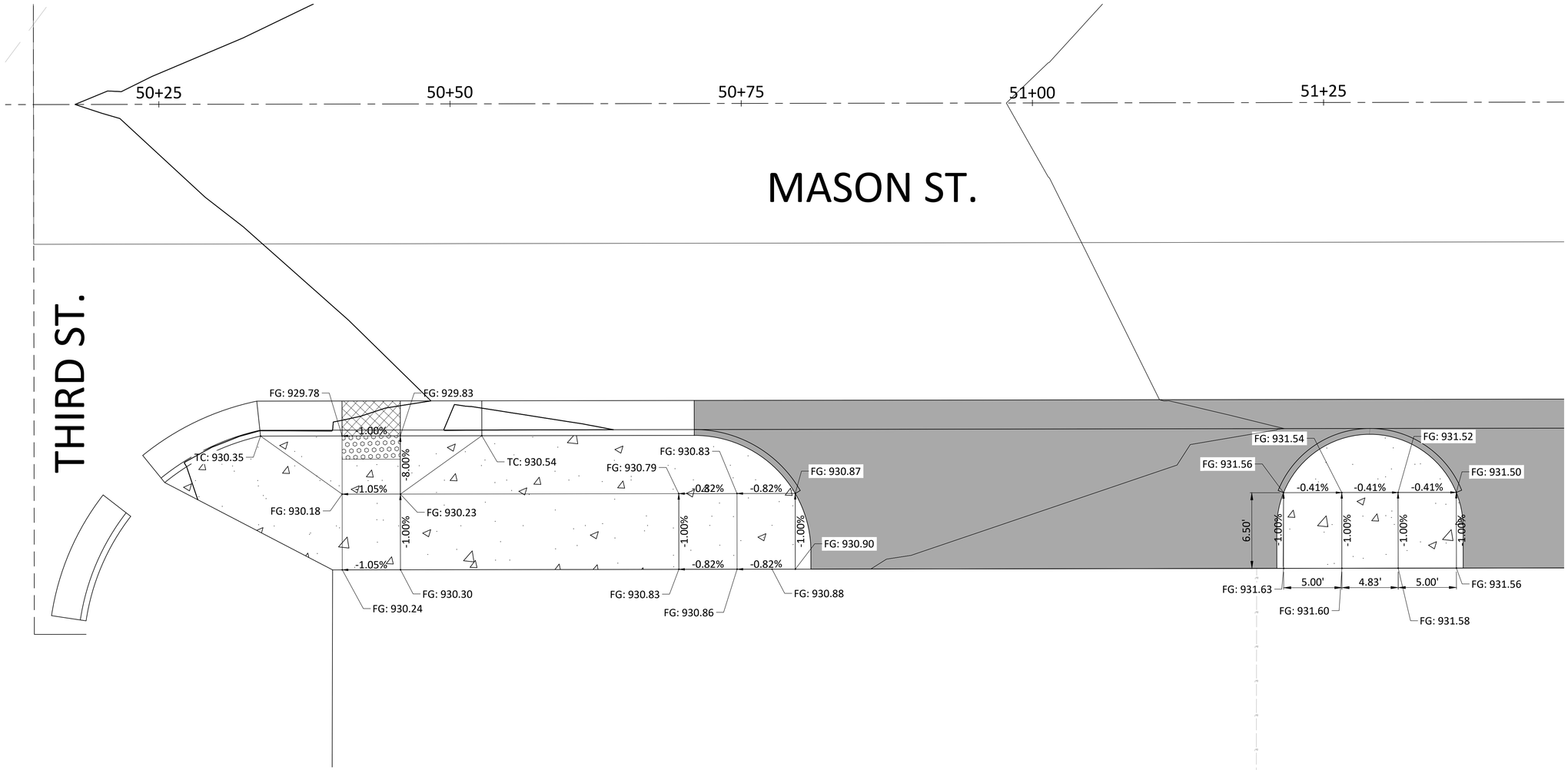

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- 8" NON-REINFORCED PAVEMENT AREA
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

N

5 (IN FEET) 0 2.5 5

18

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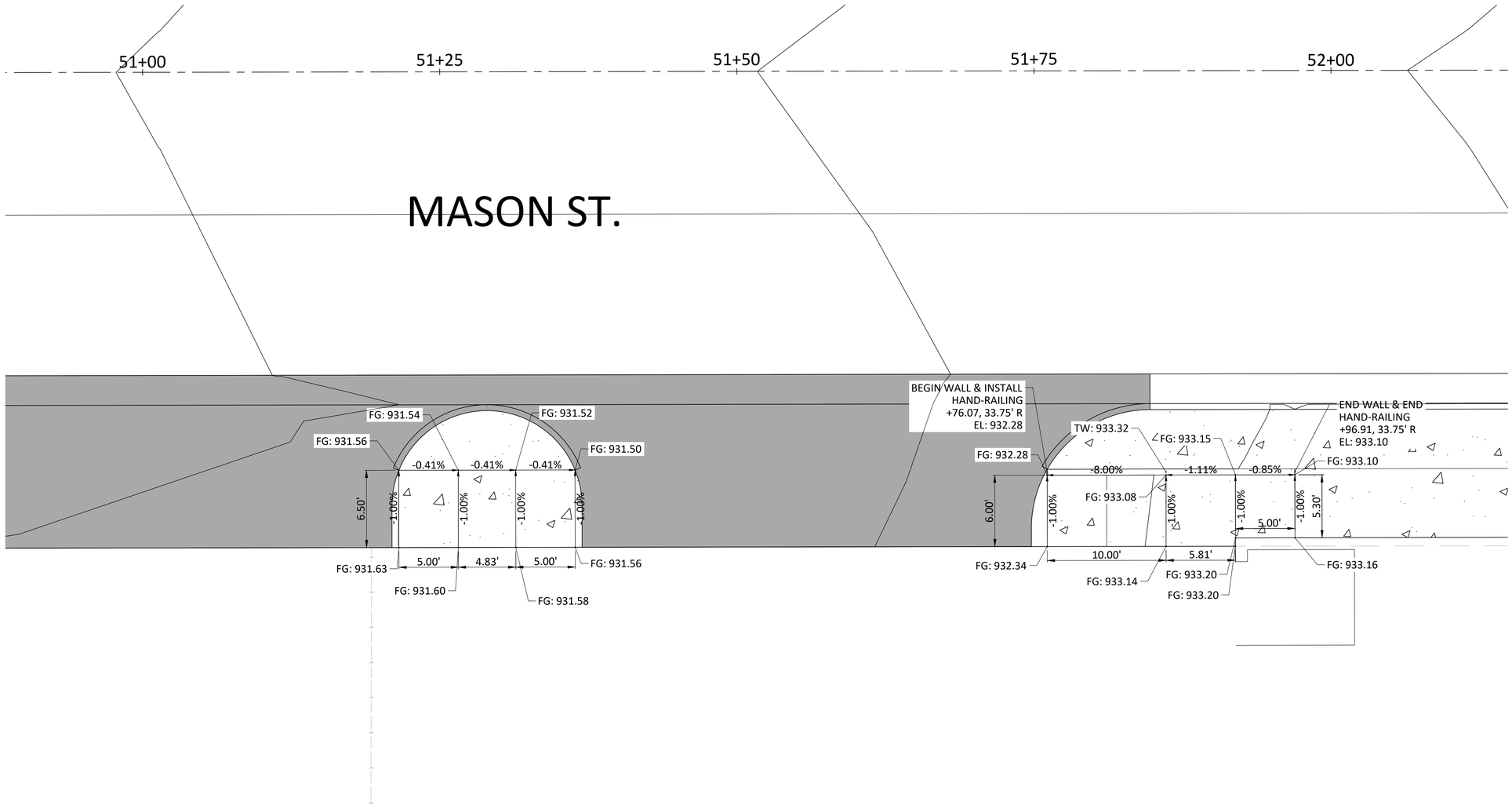

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- 8" NON-REINFORCED PAVEMENT AREA
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

5 (IN FEET) 0 2.5 5

19

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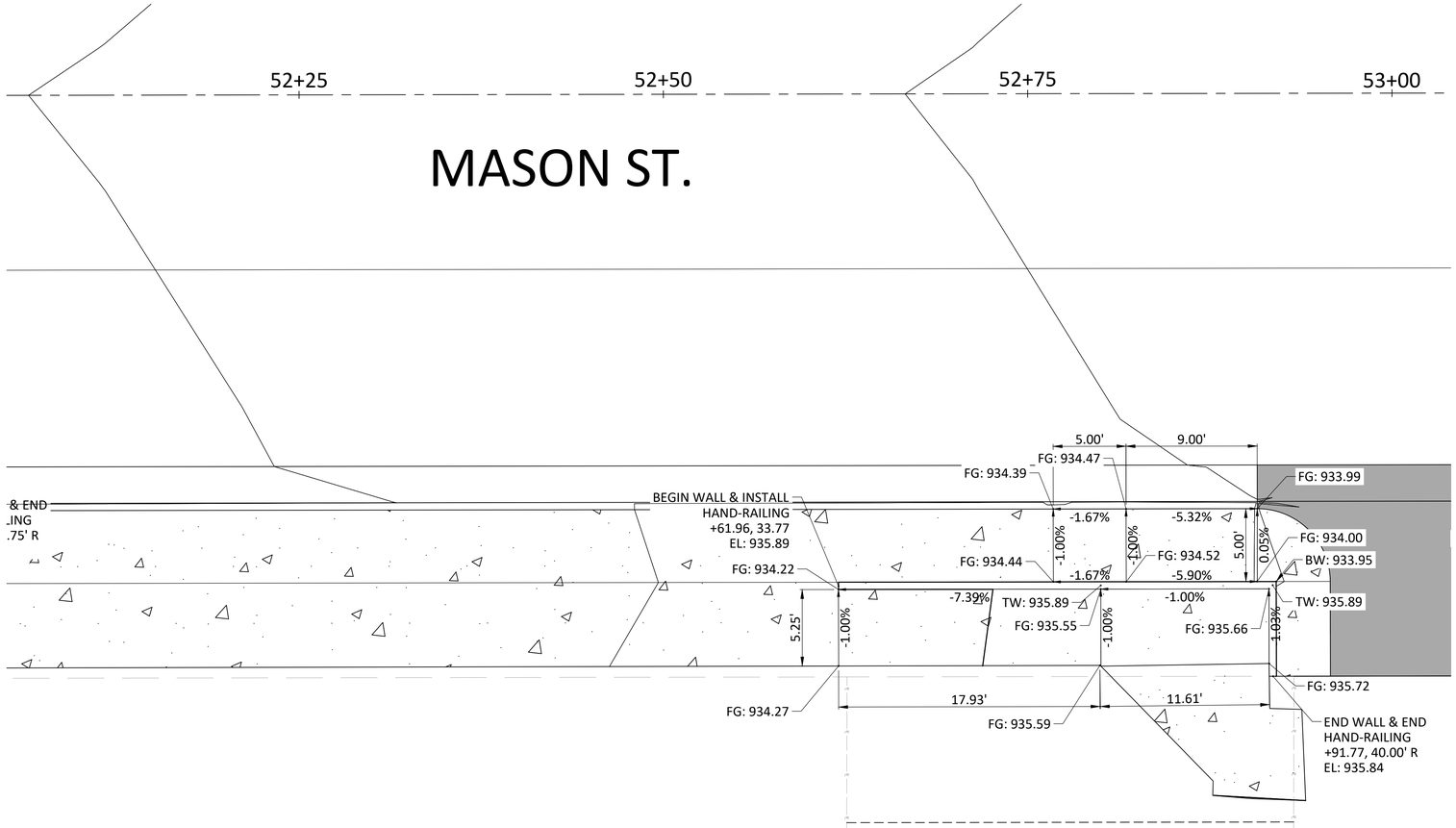

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- 8" NON-REINFORCED PAVEMENT AREA
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

N

5 (IN FEET) 0 2.5 5

20

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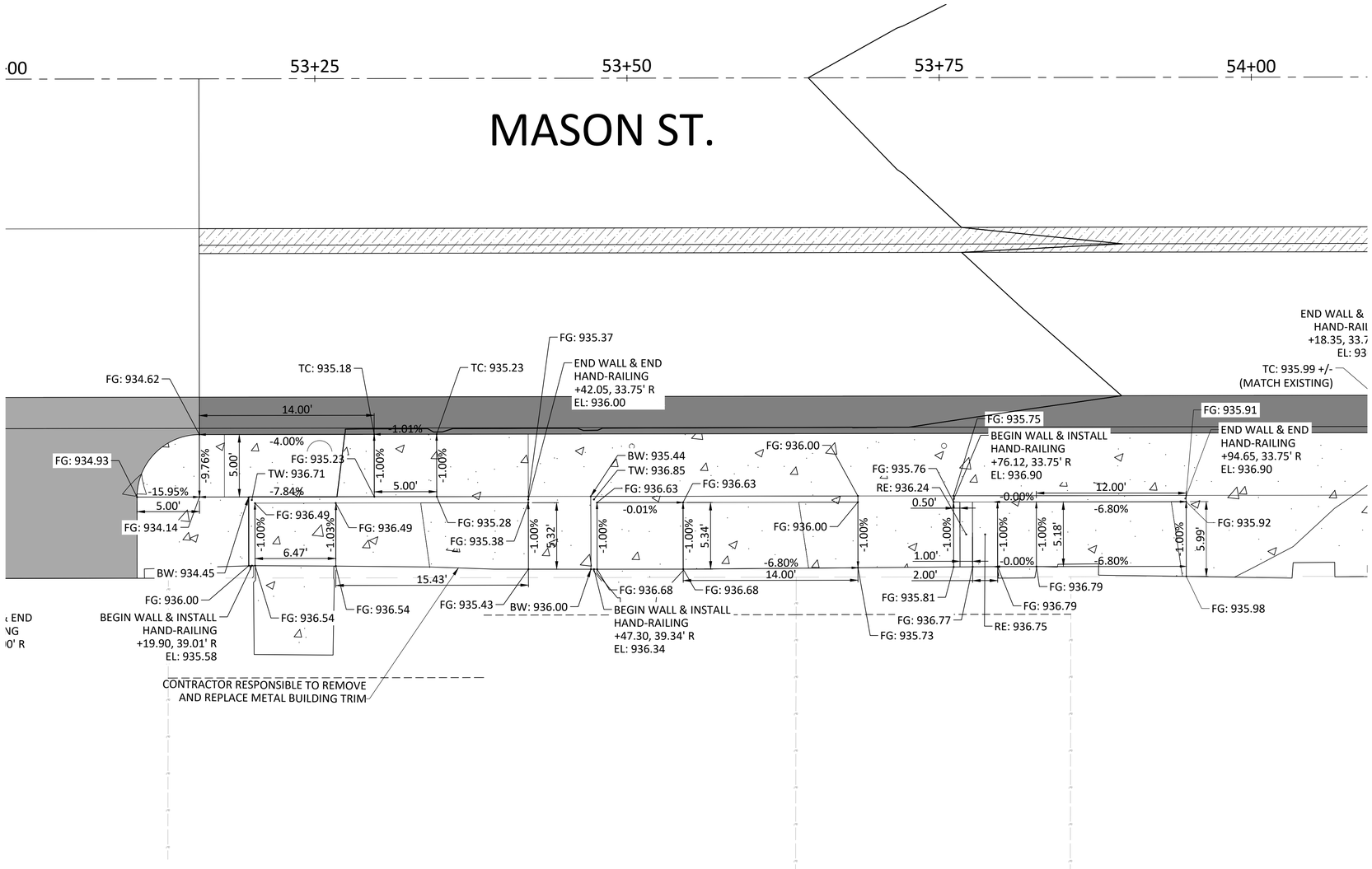

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- 8" NON-REINFORCED PAVEMENT AREA
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

5 (IN FEET) 0 2.5 5

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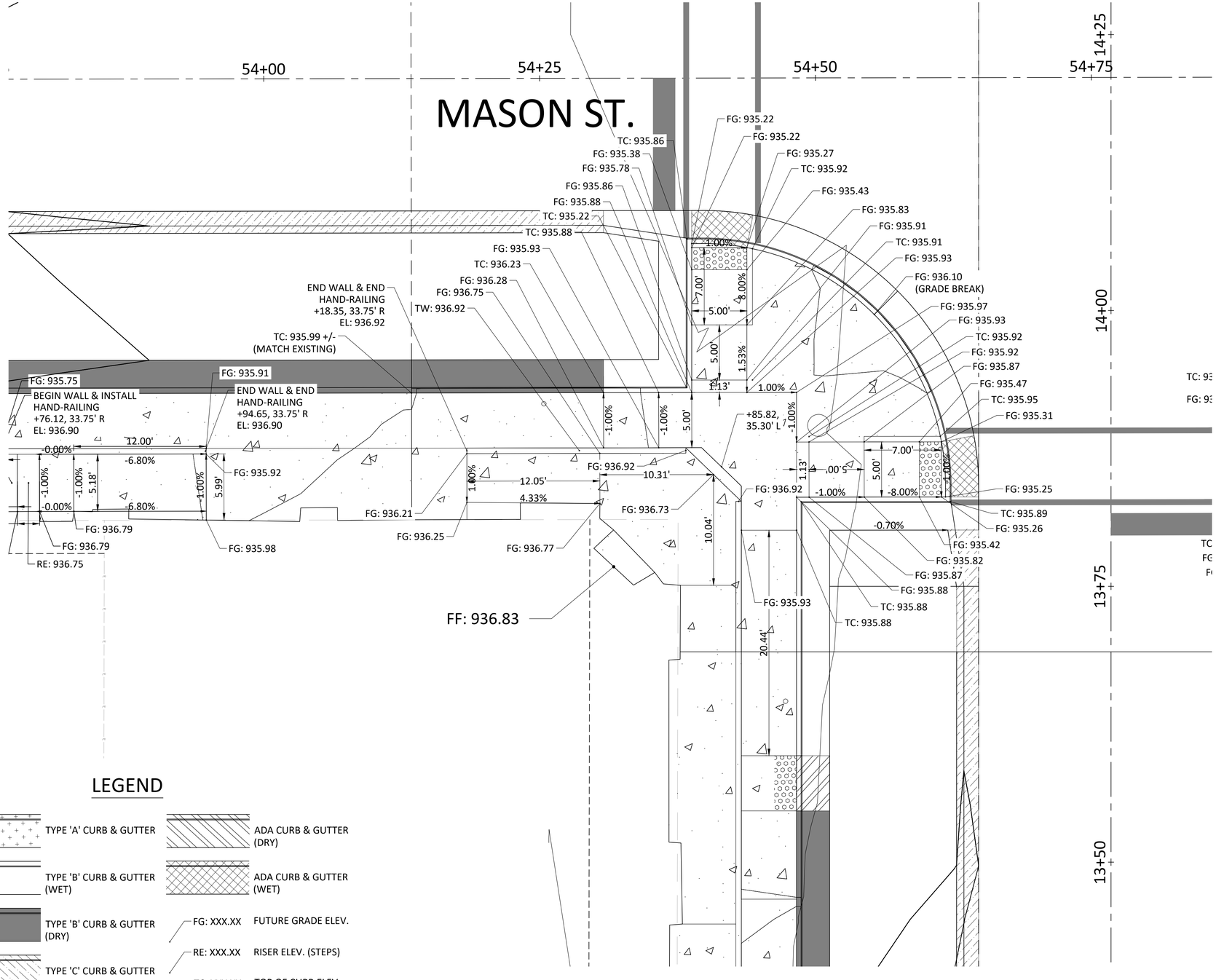

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

5 (IN FEET) 0 2.5 5

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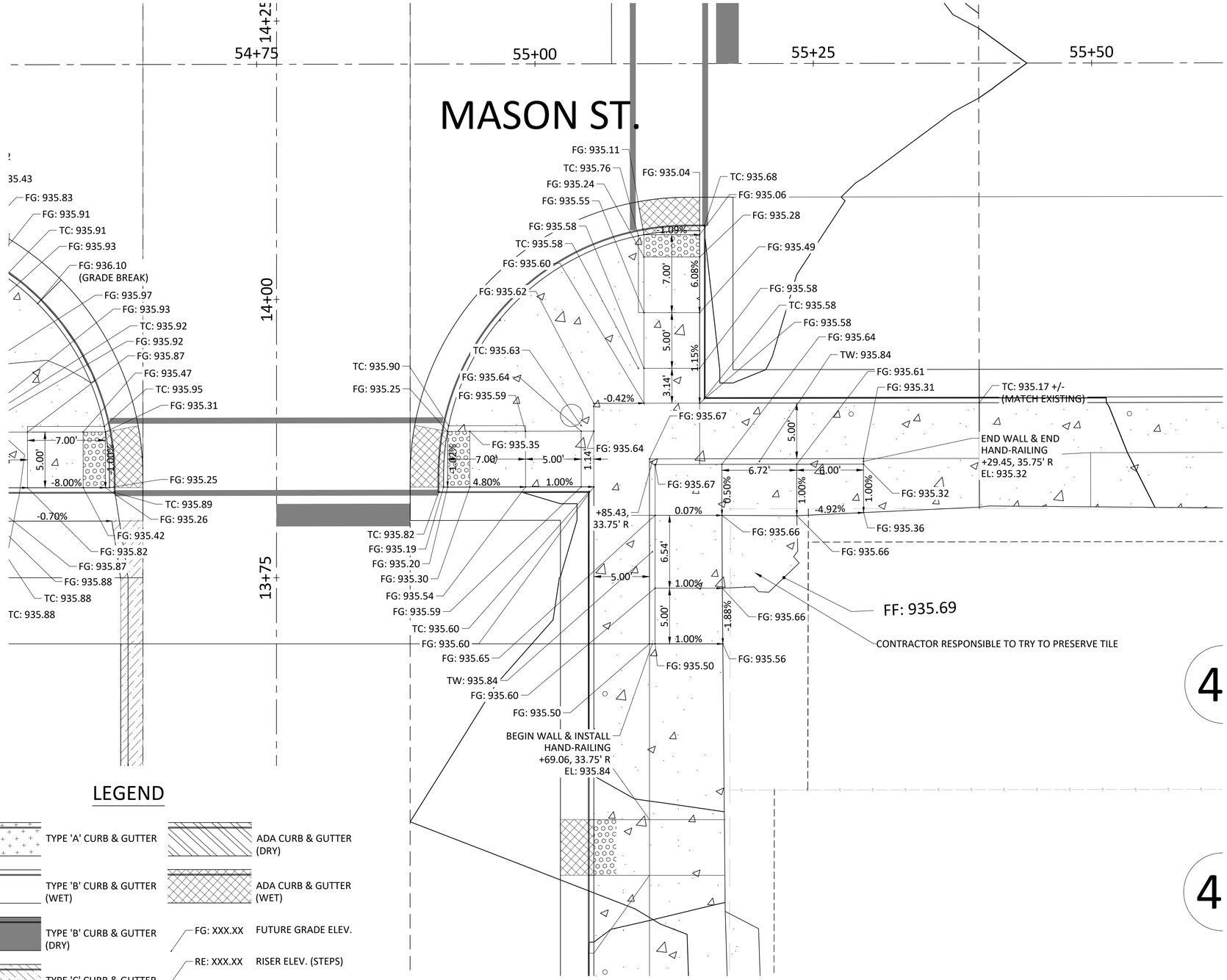

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

5 (IN FEET) 0 2.5 5

4

4

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NUMBER PE-2025008037
PROFESSIONAL ENGINEER
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FIELD BOOK:	
JOB NUMBER:	TAP-8901(443)

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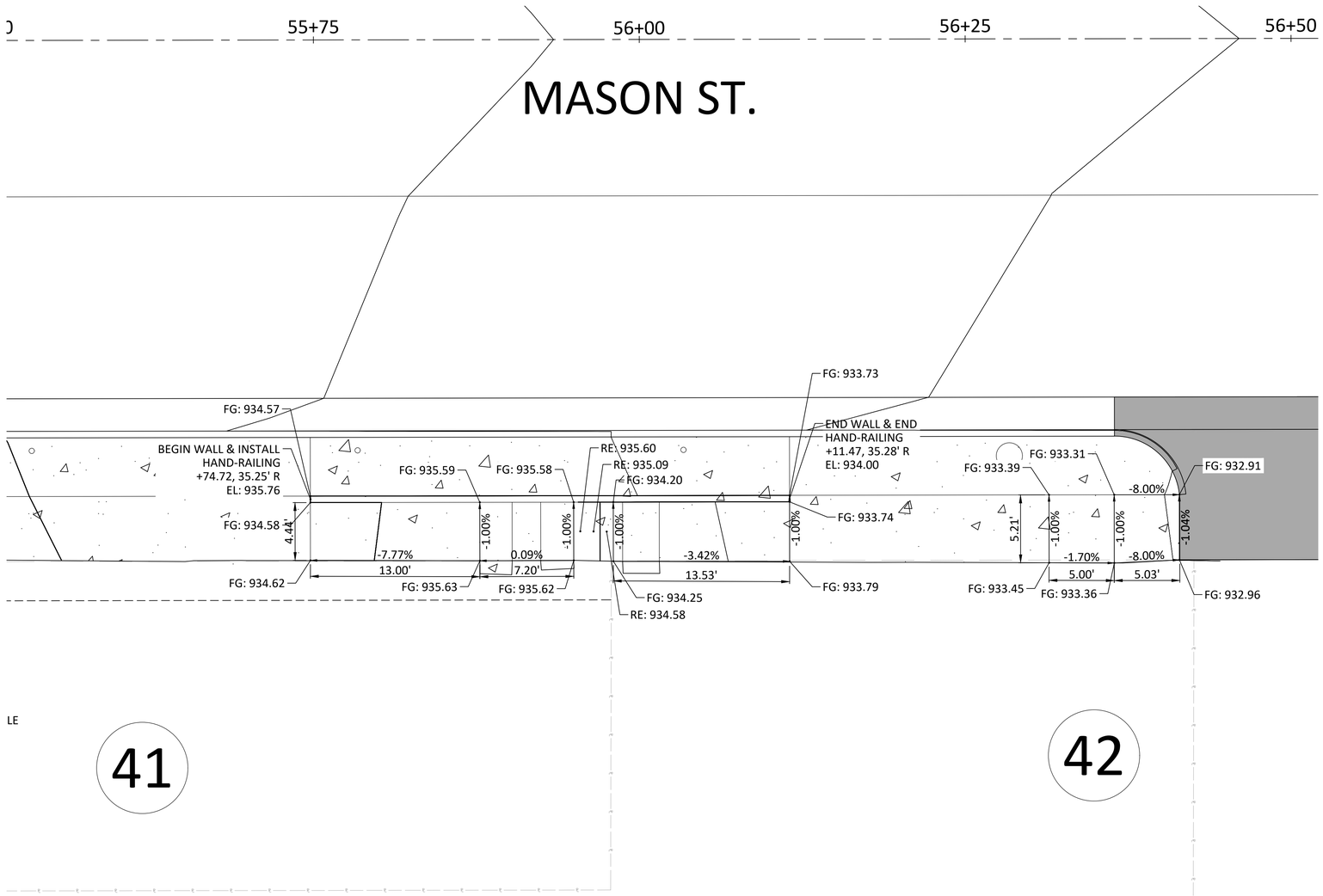

LE

41

42

40

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- 8" NON-REINFORCED PAVEMENT AREA
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

N

5 (IN FEET) 0 2.5 5

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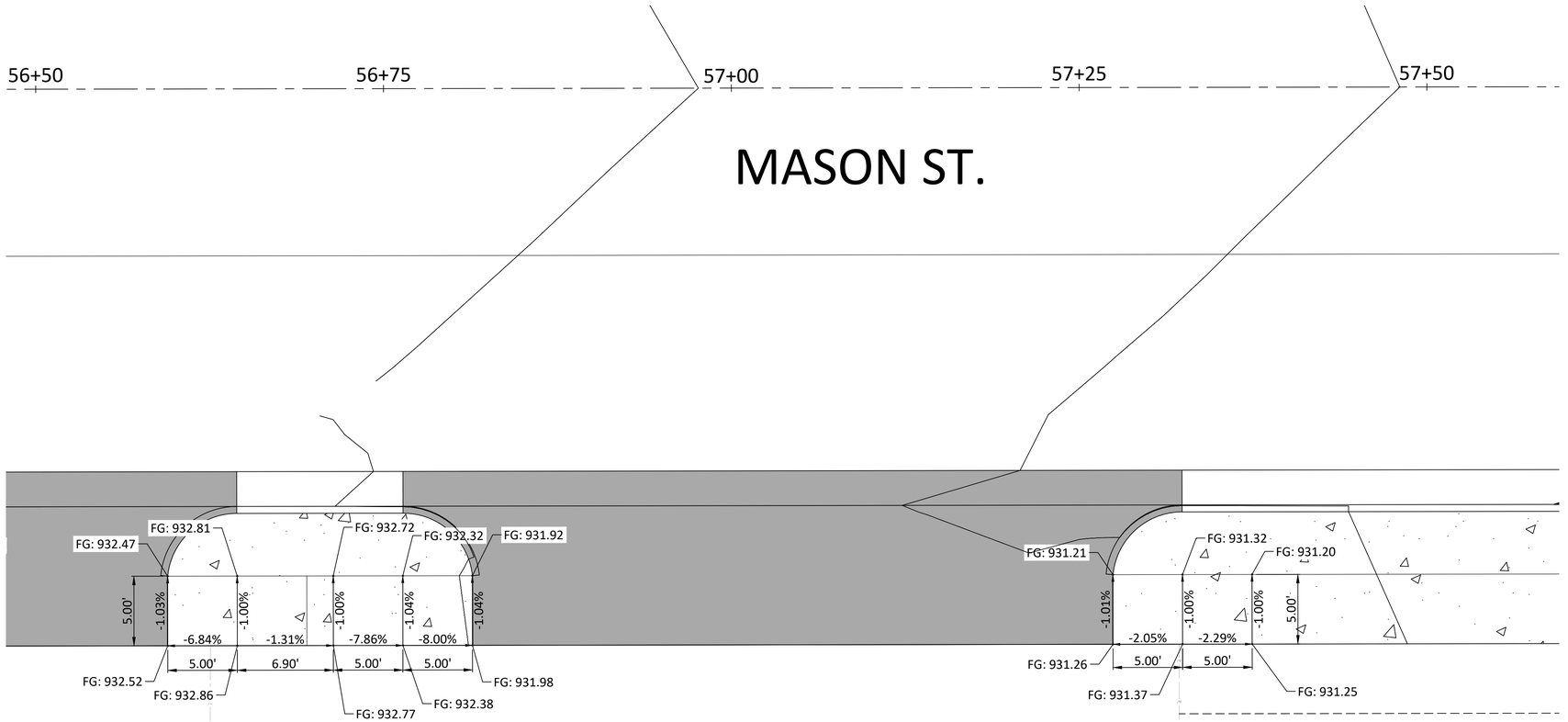

43

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- 8" NON-REINFORCED PAVEMENT AREA
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

5 (IN FEET) 0 2.5 5

ANDERSON ENGINEERING
EMPLOYEE OWNED
ENGINEERS - SURVEYORS - LABORATORIES - DRILLING
941 W. 141ST TERRACE • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-0400
ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9/18/2025

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

DRAWING INFO:
FIELD BY:
DRAWN BY: CAW
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-8901(443)

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DETAILED GRADING SHEET
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 27 OF 81

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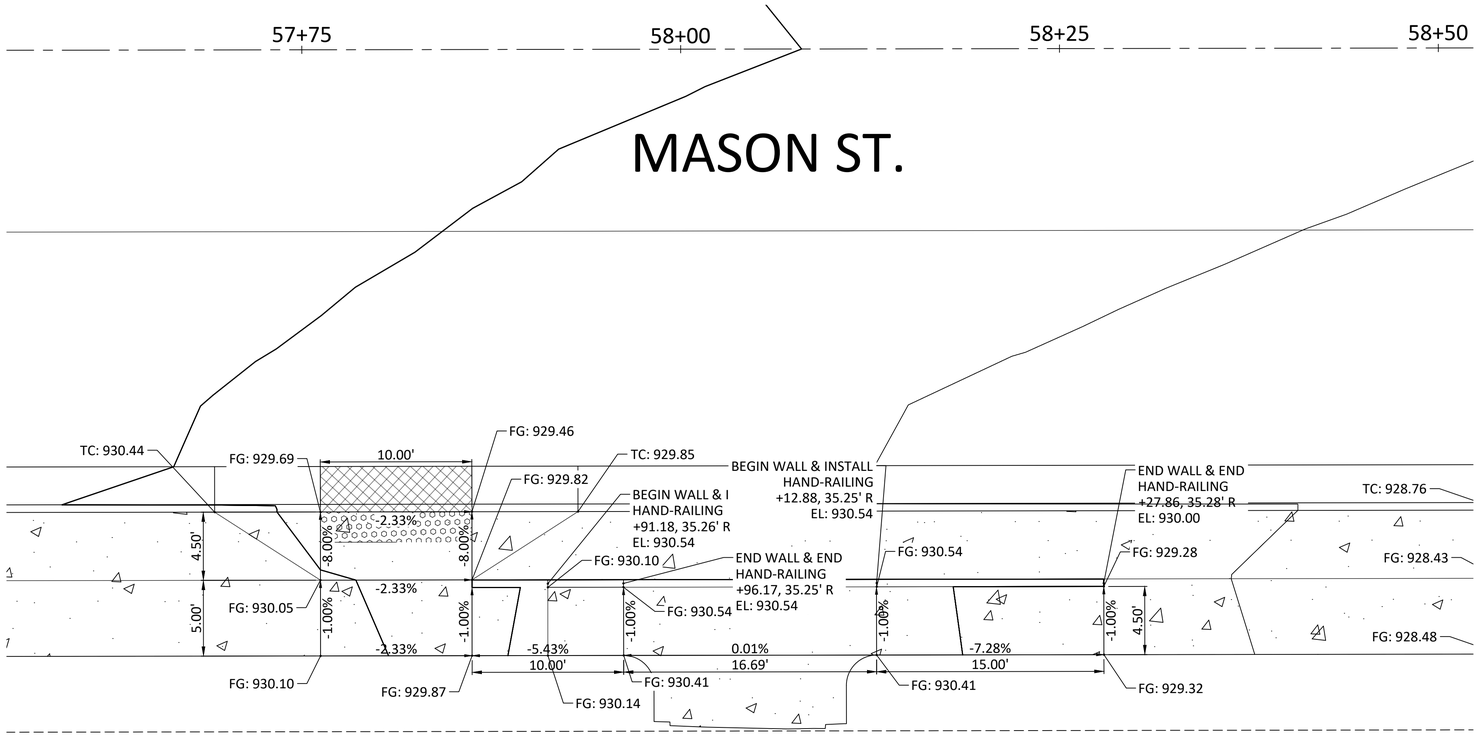

44

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
- RE: XXX.XX RISER ELEV. (STEPS)
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

N

5 (IN FEET) 0 2.5 5

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ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9/18/2025

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FIELD BOOK:
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NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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DETAILED GRADING SHEET

MASON STREET HISTORICAL
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ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 28 OF 81

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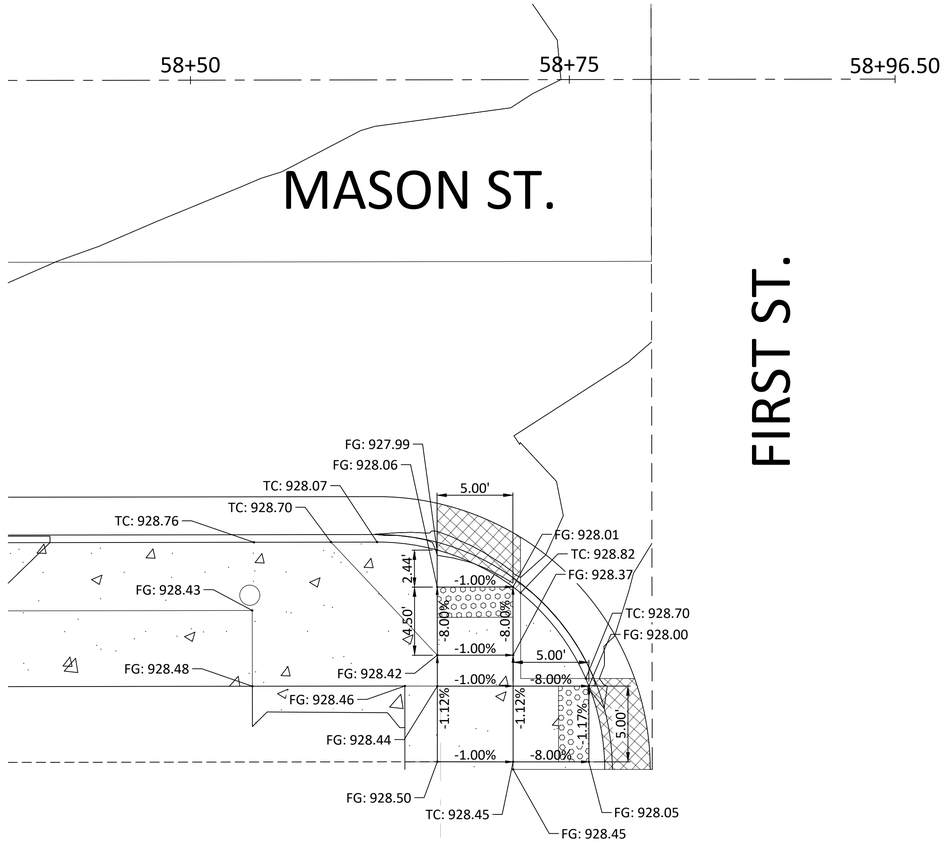

LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX — FUTURE GRADE ELEV.
- RE: XXX.XX — RISER ELEV. (STEPS)
- TC: XXX.XX — TOP OF CURB ELEV.
- TW: XXX.XX — TOP OF WALL ELEV.

5 (IN FEET) 0 2.5 5

ANDERSON ENGINEERING
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STATE OF MISSOURI
GREGORY SCOTT PARKER
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9/18/2025

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1	PLANS FOR BID	KEL	09/30/25

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LEGEND

- TYPE 'A' CURB & GUTTER
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- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
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- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
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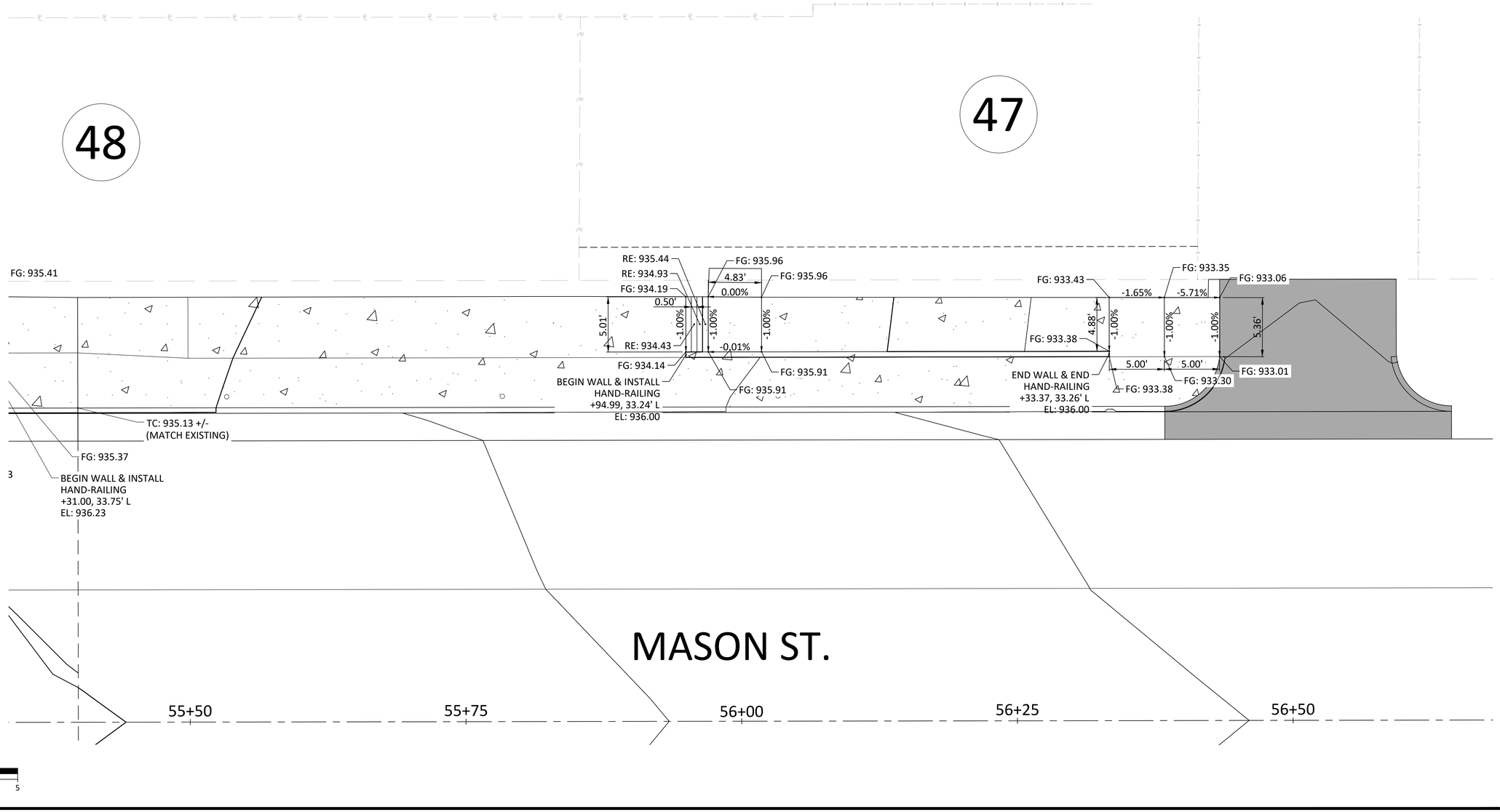
- RE: XXX.XX — RISER ELEV. (STEPS)
- TC: XXX.XX — TOP OF CURB ELEV.
- TW: XXX.XX — TOP OF WALL ELEV.



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ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE: 2625008037
PROFESSIONAL ENGINEER
9/18/2025

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FIELD BY:
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CHECK BY:
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NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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SHEET NUMBER 30 OF 81

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LEGEND

- TYPE 'A' CURB & GUTTER
- TYPE 'B' CURB & GUTTER (WET)
- TYPE 'B' CURB & GUTTER (DRY)
- TYPE 'C' CURB & GUTTER
- ADA CURB & GUTTER (DRY)
- ADA CURB & GUTTER (WET)
- FG: XXX.XX FUTURE GRADE ELEV.
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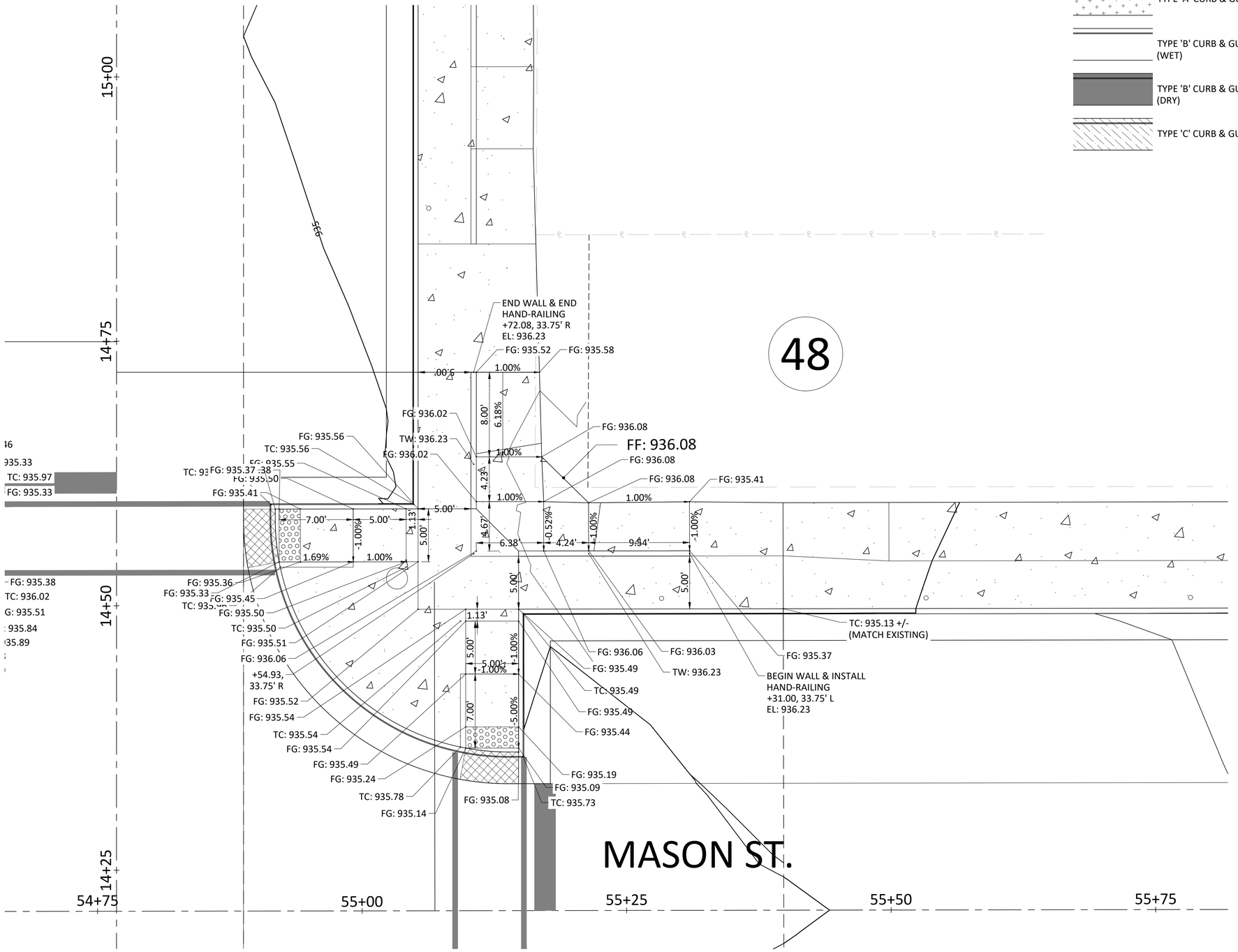
- TC: XXX.XX TOP OF CURB ELEV.
- TW: XXX.XX TOP OF WALL ELEV.

48



5 (IN FEET) 0 2.5 5

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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9/18/2025

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DRAWN BY: CAW
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FIELD BOOK:
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NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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DETAILED GRADING SHEET

MASON STREET HISTORICAL
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ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 31 OF 81

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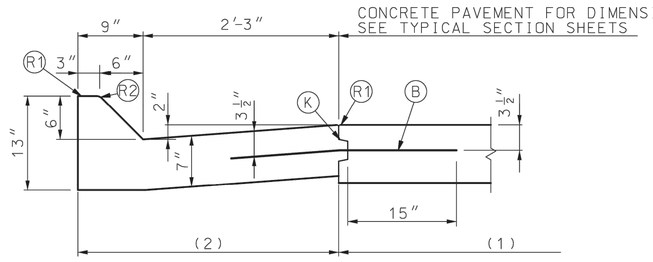
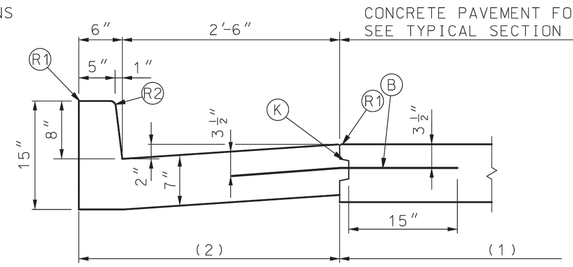
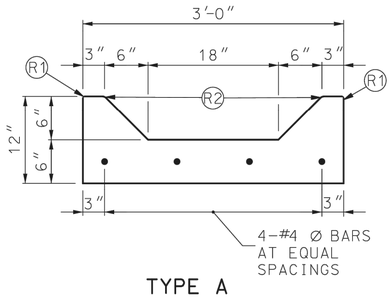


TYPE A
(MOUNTABLE)

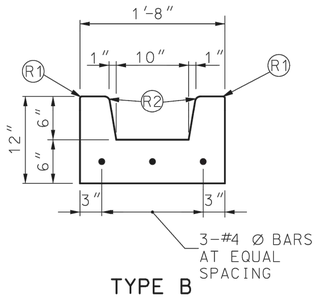


TYPE B
(BARRIER)

CURB & GUTTER

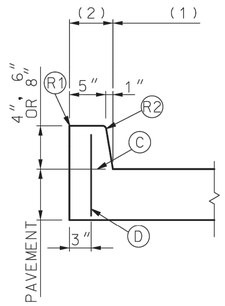


TYPE A



TYPE B

GUTTERS



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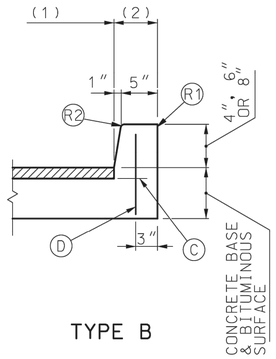
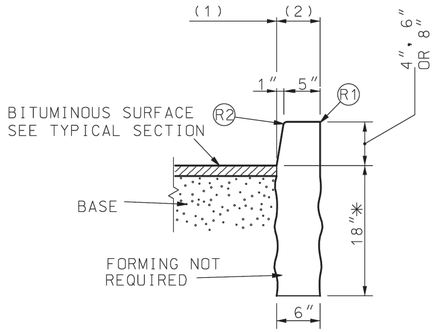


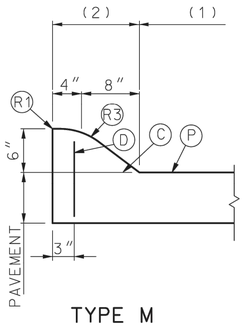
TYPE B



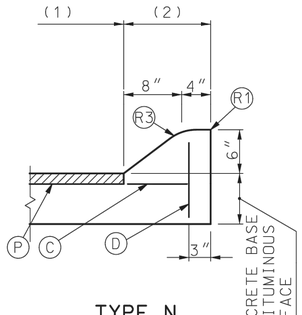
TYPE S
(SEPARATED)

✳ DEPTH MAY BE REDUCED IF KEYED 6″ IN ROCK

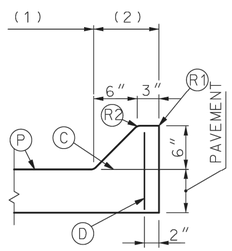
BARRIER CURBS



TYPE M
(INTEGRAL)

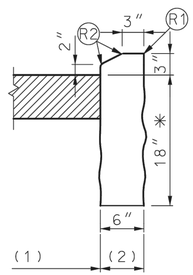


TYPE N
(INTEGRAL)

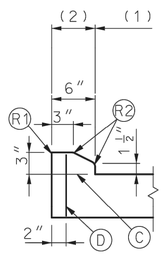


TYPE O
(INTEGRAL)

MOUNTABLE CURBS



TYPE F
(SEPARATED)

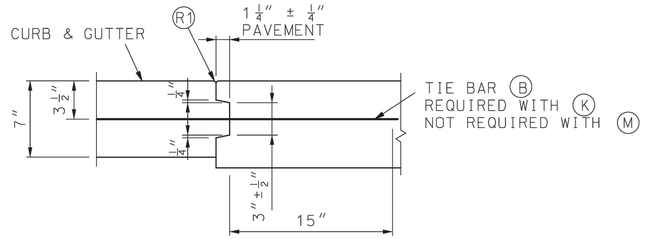


TYPE E
(INTEGRAL)

BEGINNING AND ENDINGS OF INTROCUCED LOW PROFILE CURBS SHALL UTILIZE CURB HEIGHT RUNOUT FORM O INCH TO 3 INCHES IN 5 FEET PAYMENT. LENGTH SHALL INCLUDE TAPERS.

✳ DEPTH MAY BE REDUCED IF KEYED 6″ IN ROCK.

LOW PROFILE CURB



THRU TONGUE & GROOVE JOINT

LEGEND

(B) TIE BARS – 30″ X #5 Ø AT 30″ CTRS.

(C) PERMISSIBLE CONSTRUCTION JOINT. IF CONSTRUCTED IN THIS MANNER TIE BARS MUST BE USED.

(D) #4 Ø TIE BAR AT 24″ CENTERS LENGTH OF THE TIE BARS EQUALS THICKNESS OF PAVEMENT PLUS HEIGHT OF CURB, LESS 3 INCHES.

(K) TONGUE & GROOVE JOINT WITH TIE BAR – SEE DETAIL.

(P) TOP OF PAVEMENT OR CONCRETE BASE.

(R1) ROUND TO ¼″ RADIUS. (EXCEPT FOR SAWED JOINTS)

(R2) ROUND TO ¾″ RADIUS.

(R3) CONSTRUCT TO 9″ RADIUS

(1) PAY LIMIT FOR PAVEMENT

(2) PAY LIMIT FOR CURB, OR CURB & GUTTER.

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

STATE OF MISSOURI
ERIC E. SCHROETER
NUMBER PE-28411
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

CONCRETE CURB, CURB AND GUTTER AND GUTTER

DATE EFFECTIVE: 07/01/2018
DATE PREPARED: 5/3/2018

609.00P

SHEET NO. 2 OF 2

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

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941 W. 141ST TERRACE • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-4400
ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2625008037
PROFESSIONAL ENGINEER
9/17/2025

DRAWING INFO.	
FIELD BY:	
DRAWN BY:	CAW
CHECK BY:	
DATE:	9/18/2025
FIELD BOOK:	
JOB NUMBER:	TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

REVISIONS

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SIDEWALK DETAILS
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28W
ODESSA, LAFAYETTE COUNTY, MO

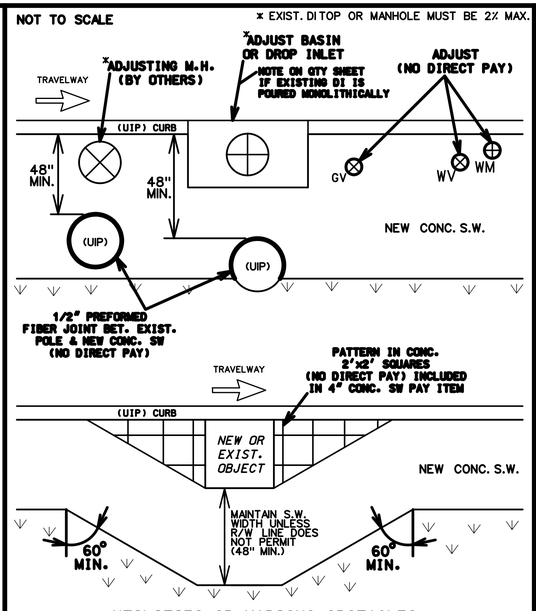
SHEET NUMBER 32 OF 81

G:\Shared drives\MO Odessa\JOBS\2025\TAP-9901(443) Odessa- 31st & Downtown\CAD\Plans\Details - Mason

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 7" 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

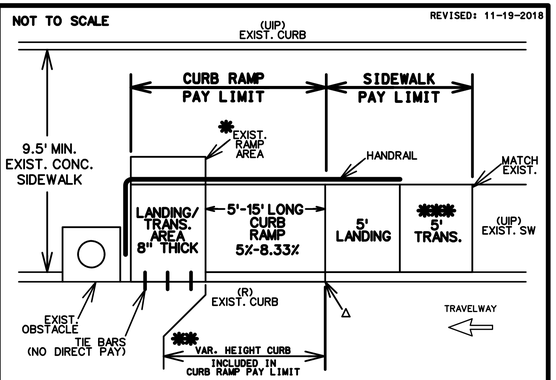


UTILITIES OR VARIOUS OBSTACLES

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: 11-19-2018



△ MATCH EXIST CURB

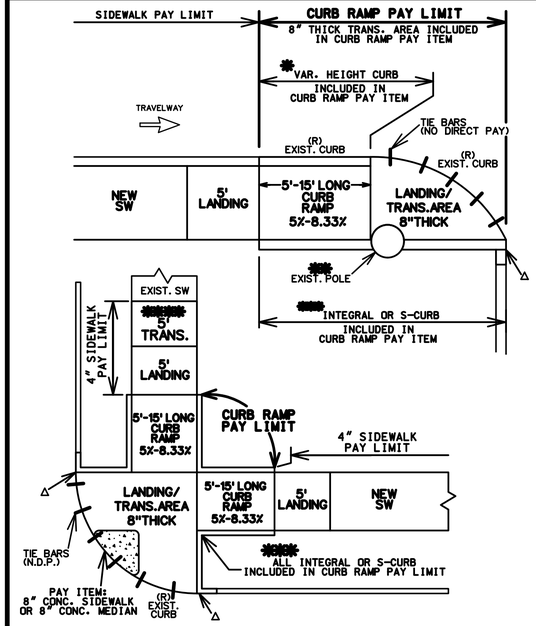
* FILL IN WHERE EXIST. RAMP WAS. SIZE WILL VARY. (SEE TYPICAL SHEET)

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

*** TO BLEND CROSS SLOPE DISCREPENCY

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

CURB RAMP - IN EXISTING 9.5'+ WIDE SW PAY LIMITS



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

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

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

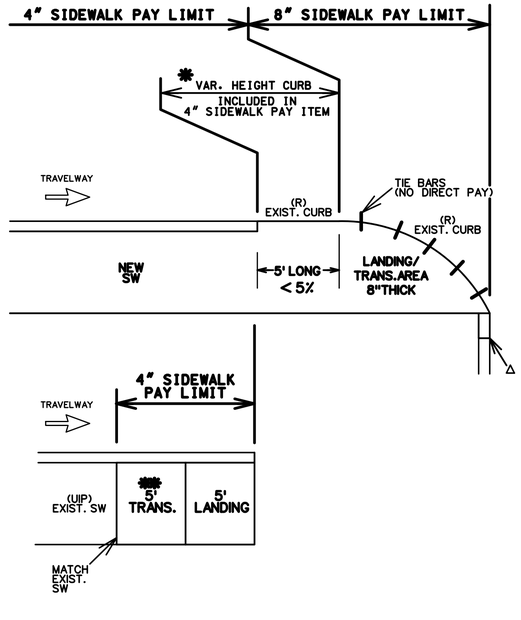
*** TYPE OF CURB WILL DEPEND ON FIELD CONDITIONS.

***** TO BLEND CROSS SLOPE DISCREPENCY

CURB RAMP PAY LIMITS

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

NOT TO SCALE



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

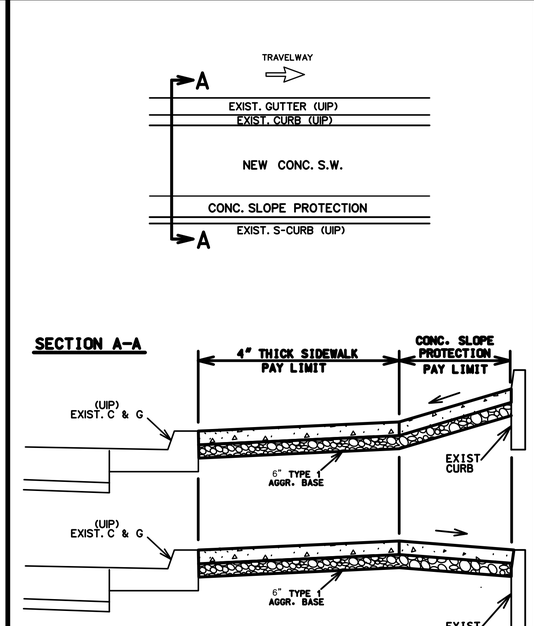
* VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONSTRUCTED MONOLITHIC OR SEPERATE DEPENDING ON CONST. OPERATIONS. DOWEL TO EXIST. GUTTER/PAVEMENT (NO DIRECT PAY).

***** TO BLEND CROSS SLOPE DISCREPENCY

SIDEWALK PAY LIMITS

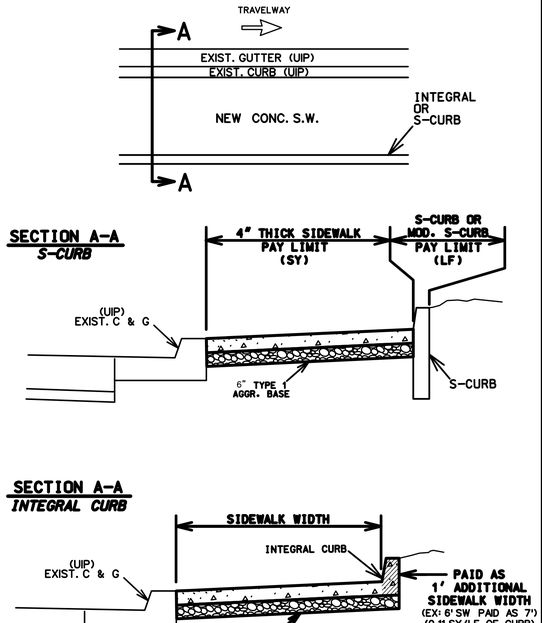
WHEN RAMP AREA IS 5' LONG AND LESS THEN 5% GRADE, IT IS CONSIDERED SIDEWALK

NOT TO SCALE



SIDEWALK WITH CONCRETE SLOPE PROTECTION PAY LIMITS

NOT TO SCALE



SIDEWALK WITH CURB PAY LIMITS

NOT TO SCALE

PAY ITEM LIMITS, UTILITIES & GENERAL NOTES

ANDERSON ENGINEERING
EMPLOYEE OWNED
ENGINEERS - SURVEYORS - LABORATORIES - DRILLING
941 W. 41ST TERRACE • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-0400
ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
9/18/2025
PROFESSIONAL ENGINEER

DRAWING INFO.
FIELD BY:
DRAWN BY: CAW
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

REVISIONS

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SIDEWALK DETAILS
MASON STREET HISTORICAL DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28W
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 33 OF 81

S:\Shared Projects\ MO\Odessa\2-PCD\2025 - TAP-9901(443) Odessa - 2nd St Downtown\CAD\PlansSheets\ Mason

REVISED: 07-16-2019

PERPENDICULAR – TYPE 1

TYPE 1-A

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

TYPE 1-B

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

TYPE 1-C

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

TYPE 1-D

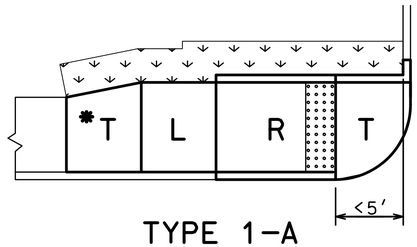
LENGTH (LF) / WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	–	18.0	24.0	–	18.0	24.0	–	18.0	24.0	
CURB RAMP	SY	–	18.6	22.8	–	24.0	29.0	–	29.3	35.3	
CONC. SIDEWALK	SY	–	11.2	12.8	–	11.2	12.8	–	9.8	11.4	
TYPE 1 AGGREGATE	SY	–	29.8	35.6	–	35.2	41.8	–	39.1	46.7	
ADA LINEAR GRADING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

TYPE 1-E

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

TYPE 1-F

LENGTH (LF) / WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	–	14.0	16.0	–	14.0	16.0	–	14.0	16.0	
CURB RAMP	SY	–	15.5	19.0	–	20.8	25.2	–	26.2	31.4	
CONC. SIDEWALK	SY	–	11.2	12.8	–	11.2	12.8	–	9.8	11.4	
TYPE 1 AGGREGATE	SY	–	26.7	31.8	–	32.0	38.0	–	36.0	42.8	
ADA LINEAR GRADING	LF	–	43.0	46.0	–	52.0	55.0	–	59.0	62.0	
SODDING	SY	–	18.4	18.8	–	22.4	22.8	–	25.6	25.9	



TYPE 1-A

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

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

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

L - LANDING

R - RAMP

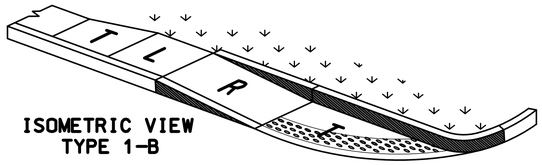
- CURB RAMP PAY LIMITS

- SOD SLOPE 6:1 MIN.

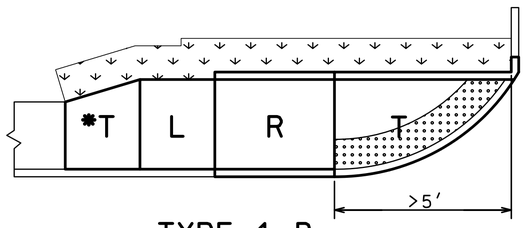
- TRUNCATED DOME LOCATION IF DIST. IS <5' OR >5'

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

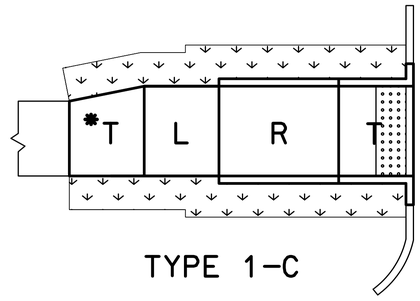
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



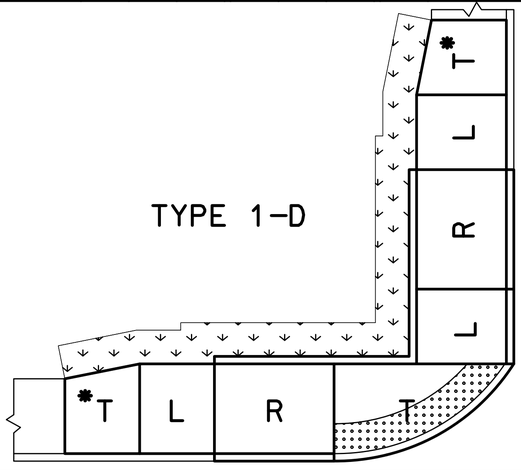
ISOMETRIC VIEW
TYPE 1-B



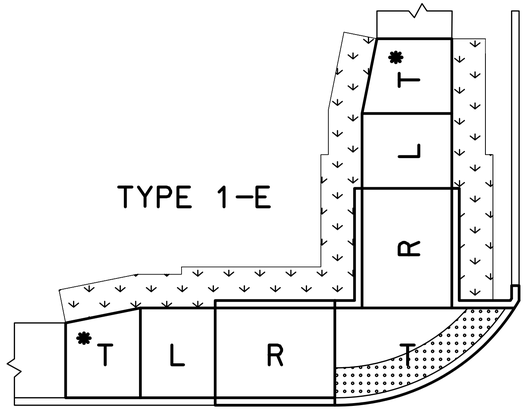
TYPE 1-B



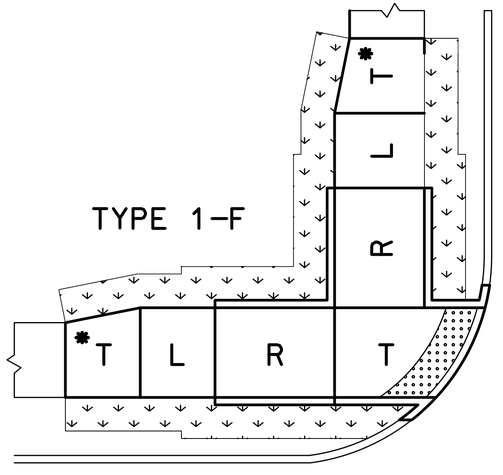
TYPE 1-C



TYPE 1-D



TYPE 1-E



TYPE 1-F

TYPE 1
PERPENDICULAR CURB RAMPS

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ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
07/18/2025
PROFESSIONAL ENGINEER

DRAWING INFO.
FIELD BY:
DRAWN BY: CAW
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DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1.	PLANS FOR BID	KEL	09/30/25

REVISIONS

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SIDEWALK DETAILS
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 34 OF 81

E:\Shared drives\KC\Odessa\216CA0015 - TAP-9901(443) Odessa 2nd St Downtown\CAD\Plans\Details - Mason

REVISED: 02-22-2017

PARRALLEL – TYPE 2

TYPE 2-A

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

TYPE 2-B

LENGTH (LF) / WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP	SY	–	11.8	13.3	–	14.5	16.4	–	17.2	19.5	
CONC. SIDEWALK	SY	–	5.6	6.4	–	4.9	5.7	–	4.9	5.7	
TYPE 1 AGGREGATE	SY	–	17.4	19.7	–	19.4	22.1	–	22.1	25.2	
ADA LINEAR GRADING	LF	–	26.0	26.0	–	29.0	29.0	–	33.0	33.0	
SODDING	SY	–	13.8	14.1	–	15.1	15.5	–	17.1	17.5	

TYPE 2-C

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

TYPE 2-D

LENGTH (LF) / WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP	SY	–	16.8	19.2	–	22.2	25.4	–	27.5	31.6	
CONC. SIDEWALK	SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE	SY	–	28.0	32.0	–	32.0	36.8	–	37.3	43.0	
ADA LINEAR GRADING	LF	–	41.0	41.0	–	47.0	47.0	–	55.0	55.0	
SODDING	SY	–	20.2	20.3	–	22.4	23.2	–	26.4	27.2	

TYPE 2-E

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

TYPE 2-F

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

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

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

NOTE: SEE STANDARDS FOR ALL PED. PUSH BUTTON LOCATIONS

– TRUNCATED DOME

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

T – TRANSITION TO EXISTING SW

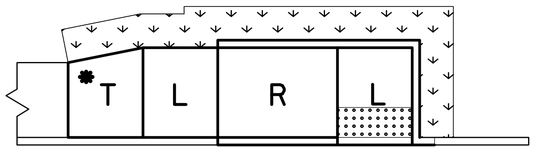
* – T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L – LANDING

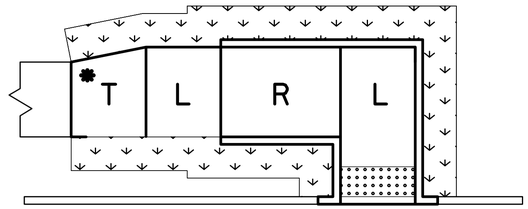
R – RAMP

– SOD SLOPE 6:1 MIN.

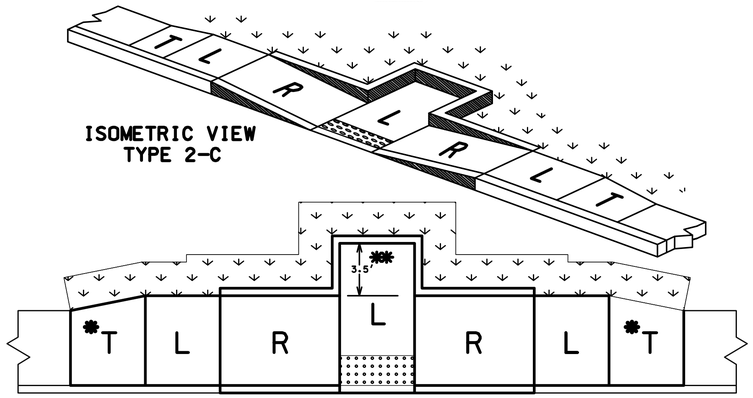
– CURB RAMP PAY LIMITS



TYPE 2-A

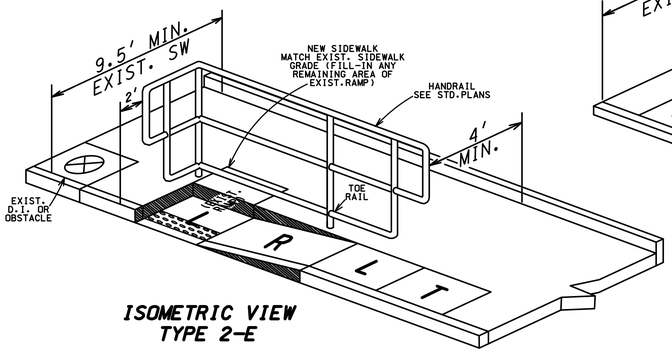


TYPE 2-B

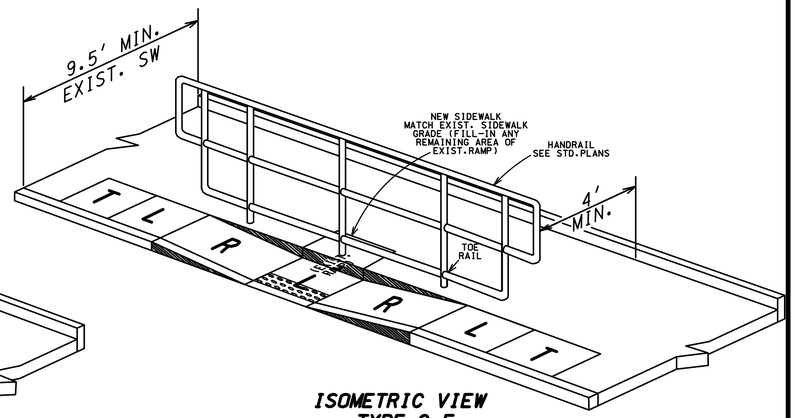


ISOMETRIC VIEW
TYPE 2-C

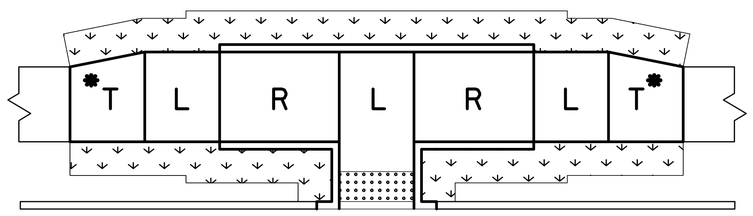
TYPE 2-C



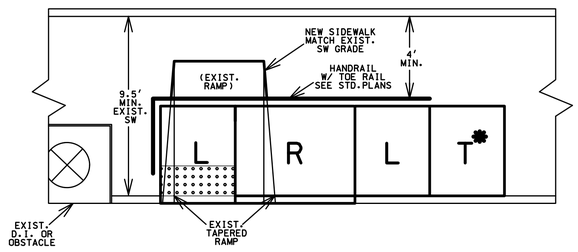
ISOMETRIC VIEW
TYPE 2-E



ISOMETRIC VIEW
TYPE 2-F



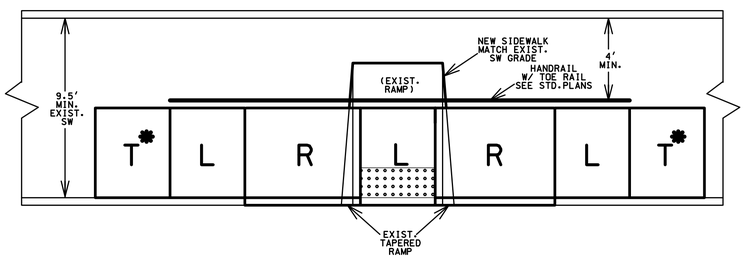
TYPE 2-D



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

TYPE 2
PARALLEL CURB RAMPS

ANDERSON ENGINEERING
EMPLOYEE OWNED
ENGINEERS - SURVEYORS - LABORATORIES - DRILLING
941 W. 141ST TERRACE • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-4400
ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
09/18/2025

DRAWING INFO:
FIELD BY:
DRAWN BY: CAW
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

REVISIONS

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SIDEWALK DETAILS
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 35 OF 81

G:\Shared Drives\ES ENGR\Odessa\21ACAD0015 - TAP-9901(443) Odessa- 2nd St Downtown\CADD\Plan\Details - Mason

REVISED: 02-22-2017

PARRALLEL - TYPE 2 (cont'd.)

TYPE 2-G

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	15.7	18.0	-	20.8	23.7	-	25.8	30.2	
CONC. SIDEWALK SY	-	21.4	25.0	-	17.6	20.3	-	15.2	17.5	
TYPE 1 AGGREGATE SY	-	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.

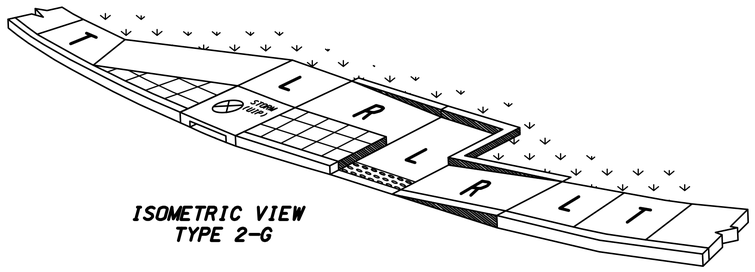
- TRUNCATED DOME LOCATION, IF DIST. IS <5' OR > 5'

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

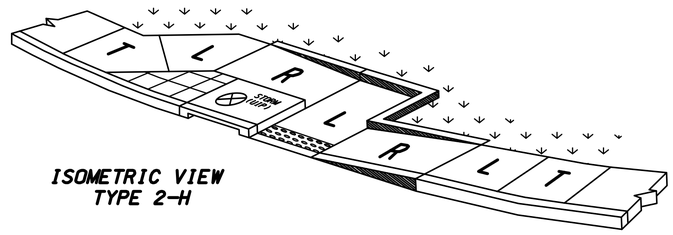
- CURB RAMP PAY LIMITS

- INCLUDED IN 4" CONC. SIDEWALK PAY LIMIT

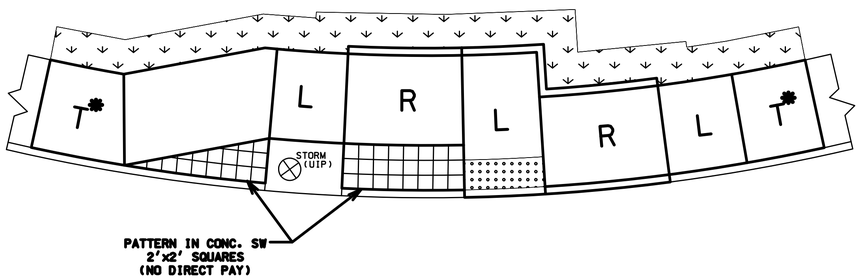
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



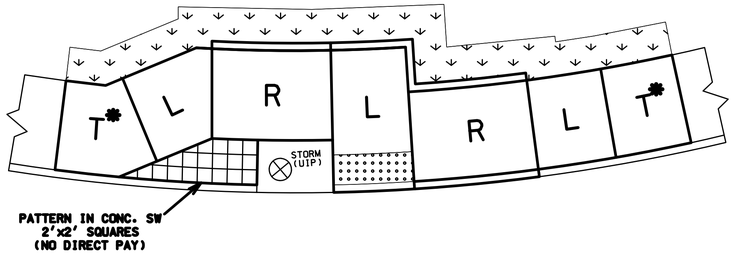
ISOMETRIC VIEW
TYPE 2-G



ISOMETRIC VIEW
TYPE 2-H



TYPE 2-G



TYPE 2-H

TYPE 2
PARALLEL
CURB RAMPS

ANDERSON ENGINEERING
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ANDERSON ENGINEERING COA# 000562

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9/18/2025

REVISIONS

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

DRAWING INFO.

FIELD BY:	
DRAWN BY:	CAW
CHECK BY:	
DATE:	9/18/2025
FIELD BOOK:	
JOB NUMBER:	TAP-9901(443)

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SIDEWALK DETAILS
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 36 OF 81

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DIAGONAL – TYPE 3

TYPE 3-A

LENGTH (LF) / WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	–	24.0	28.0	–	20.6	25.0	–	20.6	25.0	
CURB RAMP	SY	–	24.4	27.0	–	26.9	31.2	–	32.2	37.4	
CONC. SIDEWALK	SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE	SY	–	35.6	39.8	–	36.7	42.6	–	42.0	48.8	
ADA LINEAR GRADING	LF	–	51.0	51.0	–	59.0	59.0	–	67.0	67.0	
SODDING	SY	–	11.6	11.4	–	12.9	12.9	–	14.9	14.9	
8"SW OR MED STRIP	SY	–	3.0	2.2	–	3.0	2.2	–	3.0	2.2	

TYPE 3-B

LENGTH (LF) / WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	–	24.0	28.0	–	20.6	25.0	–	20.6	25.0	
CURB RAMP	SY	–	22.0	26.3	–	25.9	31.2	–	31.2	37.4	
CONC. SIDEWALK	SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE	SY	–	33.2	39.1	–	35.7	42.6	–	41.0	48.8	
ADA LINEAR GRADING	LF	–	51.0	51.0	–	59.0	59.0	–	67.0	67.0	
SODDING	SY	–	15.2	15.3	–	17.1	17.5	–	20.1	20.5	
8"SW OR MED STRIP	SY	–	1.5	1.5	–	1.5	1.5	–	1.5	1.5	

TYPE 3-C

LENGTH (LF) / WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED 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	

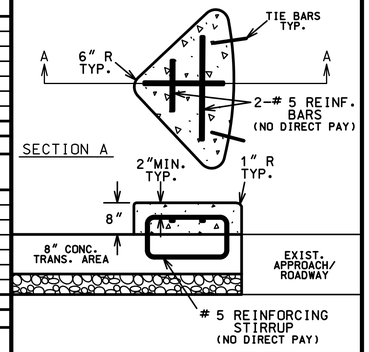
TYPE 3-D

LENGTH (LF) / WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	–	24.0	28.0	–	22.4	26.5	–	22.4	26.5	
CURB RAMP	SY	–	15.9	19.1	–	17.7	21.4	–	20.4	24.5	
CONC. SIDEWALK	SY	–	5.6	6.4	–	4.9	5.7	–	4.9	5.7	
TYPE 1 AGGREGATE	SY	–	21.5	25.5	–	22.6	27.1	–	25.3	30.2	
ADA LINEAR GRADING	LF	–	31.0	31.0	–	34.0	34.0	–	38.0	38.0	
SODDING	SY	–	12.6	12.9	–	13.5	14.0	–	15.5	16.0	
8"SW OR MED STRIP	SY	–	1.0	0.8	–	1.0	0.8	–	1.0	0.8	

TYPE 3-E

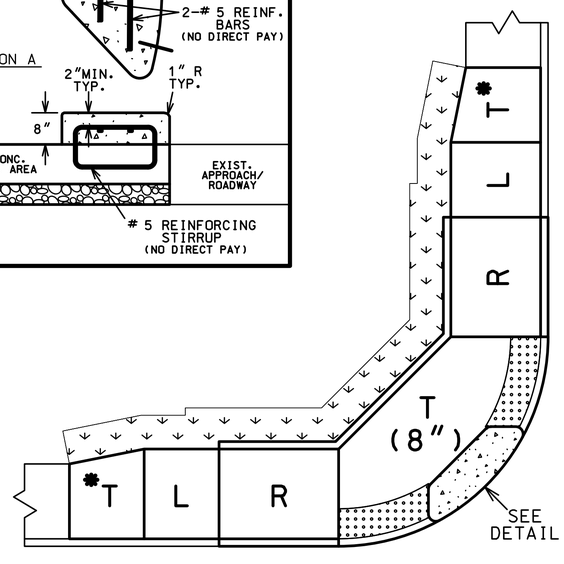
LENGTH (LF) / WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	–	20.0	24.0	–	20.0	24.0	–	20.0	24.0	
CURB RAMP	SY	–	17.2	19.8	–	17.7	21.4	–	20.4	24.5	
CONC. SIDEWALK	SY	–	8.4	10.7	–	7.3	9.4	–	7.3	9.4	
TYPE 1 AGGREGATE	SY	–	25.6	30.5	–	25.0	30.8	–	27.7	33.9	
ADA LINEAR GRADING	LF	–	30.0	30.0	–	35.5	35.5	–	39.5	39.5	
SODDING	SY	–	12.4	12.4	–	12.9	13.3	–	14.9	15.3	
8"SW OR MED STRIP	SY	–	1.6	1.6	–	1.6	1.6	–	1.6	1.6	

– DETAIL – 8" SIDEWALK OR 8" MEDIAN STRIP



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

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



TYPE 3-A

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

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

L – LANDING

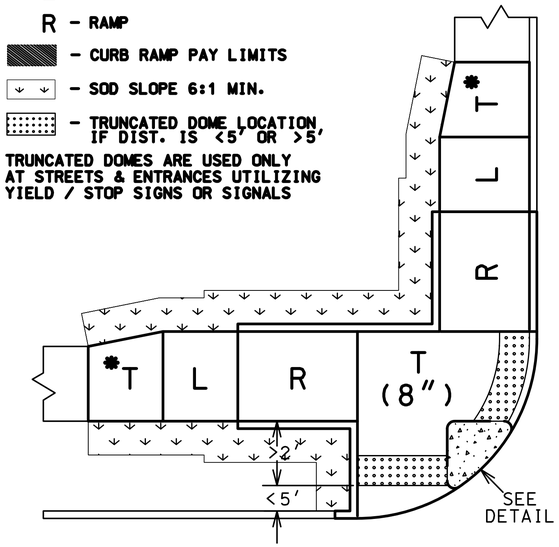
R – RAMP

– CURB RAMP PAY LIMITS

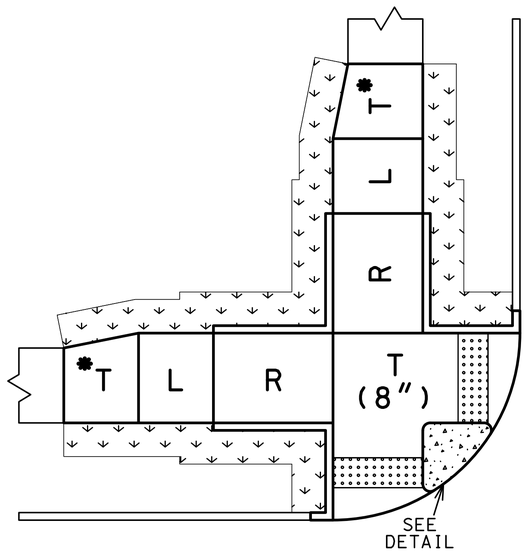
– SOD SLOPE 6:1 MIN.

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

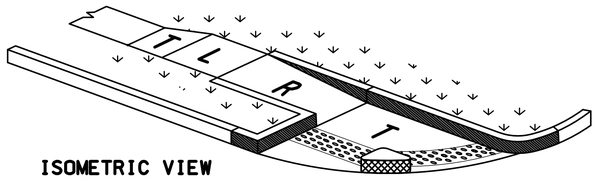
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS



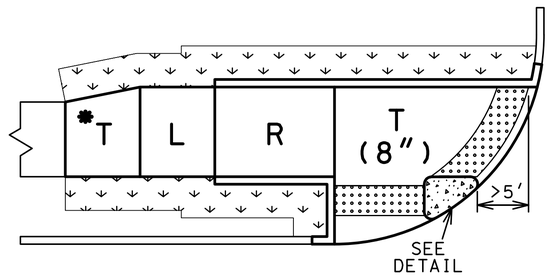
TYPE 3-B



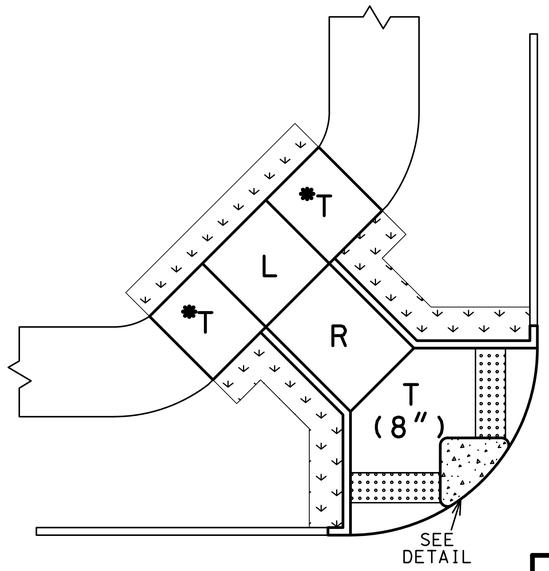
TYPE 3-C



ISOMETRIC VIEW
TYPE 3-D



TYPE 3-D



TYPE 3-E

TYPE 3
DIAGONAL CURB RAMPS

REVISED: 02-22-2017

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ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9/18/2025

DRAWING INFO:
FIELD BY:
DRAWN BY: CAW
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

REVISIONS

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SIDEWALK DETAILS
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 37 OF 81

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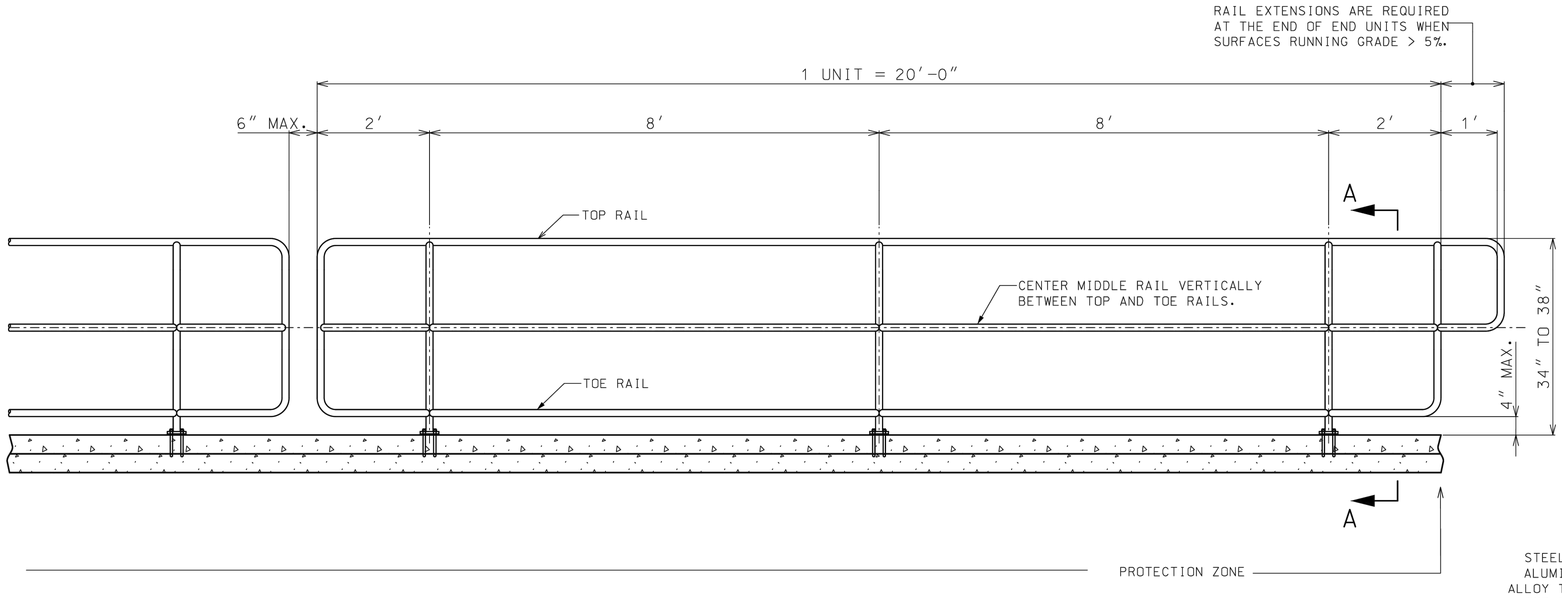
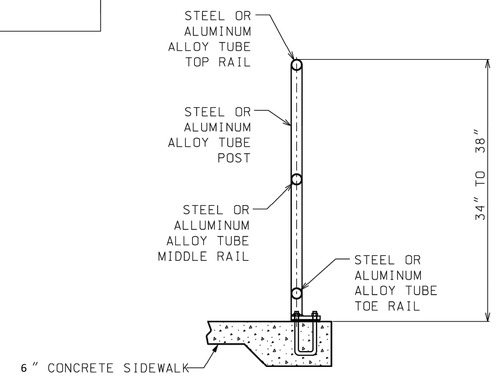
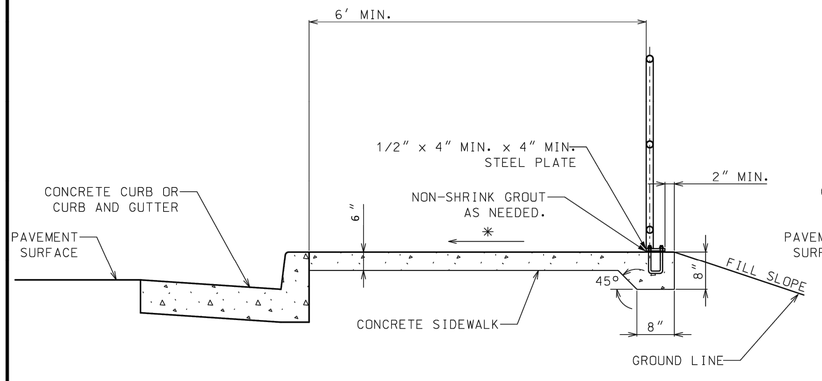




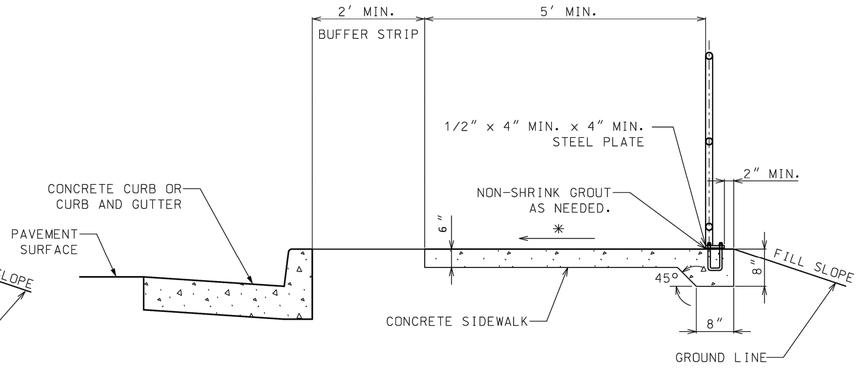
HANDRAILING

SIDEWALK HANDRAILING WITHOUT BALUSTERS

✳ CROSS SLOPE: 1.0 % MIN. – 2.0 % MAX.



SIDEWALK WITHOUT BUFFER STRIP
(SECTION A–A)



SIDEWALK WITH BUFFER STRIP
(SECTION A–A)

FOR GENERAL NOTES AND HANDRAILING REQUIREMENTS ON FILL SLOPES SEE SHEET 3 OF 4

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

STATE OF MISSOURI
TRAVIS D. KOESTNER
NUMBER PE-30042
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

HANDRAILING

DATE EFFECTIVE: 01/01/2021
DATE PREPARED: 10/14/2020

608.40A

SHEET NO. 1 OF 4

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GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9/18/2025

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FIELD BY:
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FIELD BOOK:
JOB NUMBER: TAP-9901(443)

REVISIONS

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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RAILING DETAILS
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28W
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 38 OF 81

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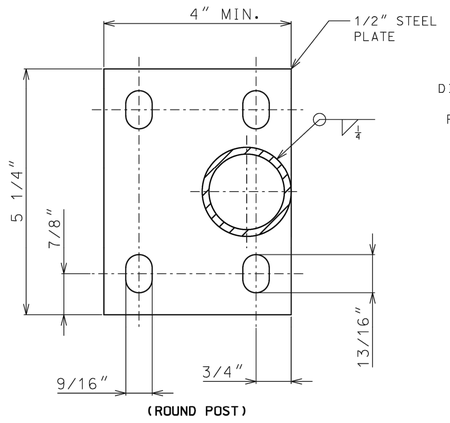
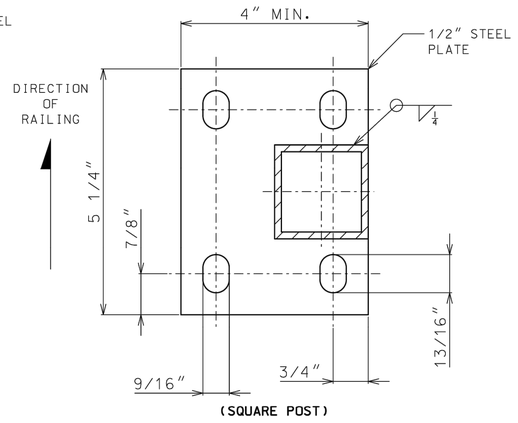
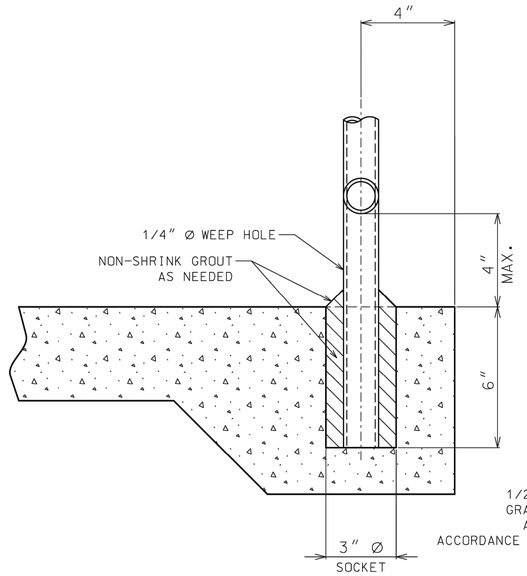


(ROUND POST)



(SQUARE POST)

MOUNTING PLATE DETAIL (PLAN VIEW)



SOCKET MOUNTING DETAIL

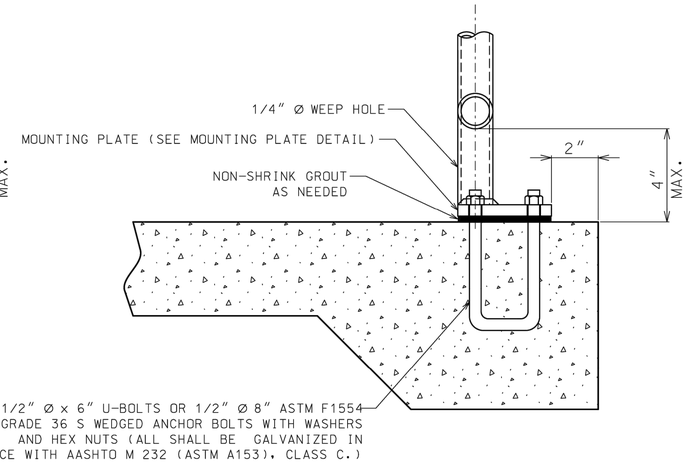


PLATE MOUNTING DETAIL

HANDRAIL REQUIREMENTS		
FILL SLOPE	FILL HEIGHT	HANDRAIL
(1V:3H) OR FLATTER	———	NOT REQUIRED
(1V:3H) OR STEEPER	≥ 6 FT.	REQUIRED
(1V:2H) OR STEEPER	≥ 4 FT.	REQUIRED
(1V:1H) OR STEEPER	≥ 1 FT.	REQUIRED

RAILING AND POST SPECIFICATION				
DESCRIPTION	TYPE	SIZE (DIA.)	WEIGHT (LBS. / FT.) ALUM.	WEIGHT (LBS. / FT.) STEEL
RAILING & POST	ROUND	1 1/2"	0.940	2.720
	SQUARE	2" X 2"	1.3094	4.310
BALUSTER	ROUND	1/2"	0.2312	0.668
	RECT.	3/8" X 1/2" STL.	———	0.6375
	SQUARE	1/2" X 1/2" ALUM.	0.2944	———

GENERAL NOTES:

RAILINGS AND POSTS MAY BE EITHER ROUND OR SQUARE STEEL OF GOOD COMMERCIAL WELDABLE QUALITY OR ALUMINUM ALLOY 6061-T6 OR 6063-T6.

STEEL RAILINGS AND POSTS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M111.

ALL JOINTS SHALL BE CONTINUOUS WELDED AND GROUND SMOOTH.

METAL SAFETY RAIL MUST BE COMPLIANT WITH THE "AMERICAN'S WITH DISABLILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)". EXCEPTIONS MUST BE APPROVED BY THE ENGINEER. ALL OTHER AREAS OF NON-COMPLIANCE SHALL BE REMOVED AND CORRECTED AT THE CONTRACTOR'S EXPENSE.

ALL POSTS SHALL HAVE A 1/4" WEEP HOLE IMMEDIATELY ABOVE THE MOUNTING PLATE.

WHEN INSTALLED THE POSTS SHALL BE PLUMB AND RAILINGS SHALL MATCH THE SLOPE OF THE SIDEWALK.

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

STATE OF MISSOURI — TRAVIS D. KOESTNER — NUMBER PE-30042 — PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

HANDRAILING

DATE EFFECTIVE: 01/01/2021
DATE PREPARED: 10/14/2020

608.40A

SHEET NO. 3 OF 4

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ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI — GREGORY SCOTT PARKER — NUMBER PE-2025008037 — PROFESSIONAL ENGINEER
9/18/2025

DRAWING INFO.
FIELD BY:
DRAWN BY: CAW
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-8901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

REVISIONS

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RAILING DETAILS
MASON STREET HISTORICAL DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 39 OF 81

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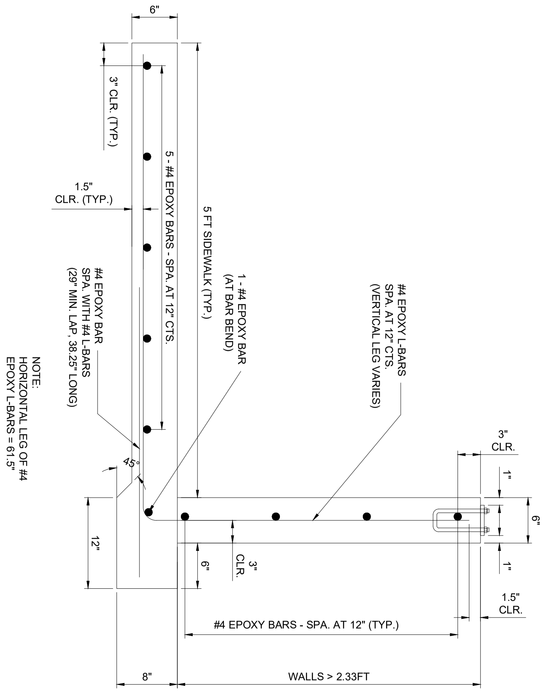

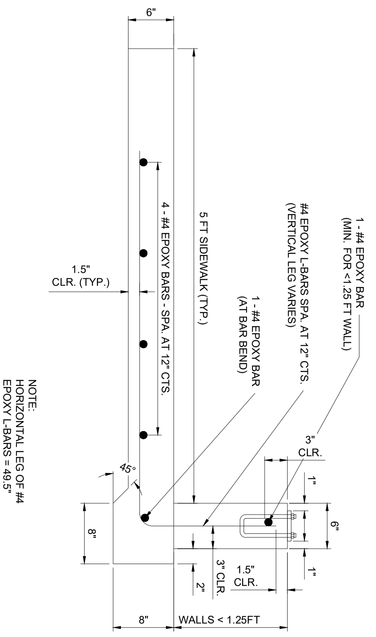

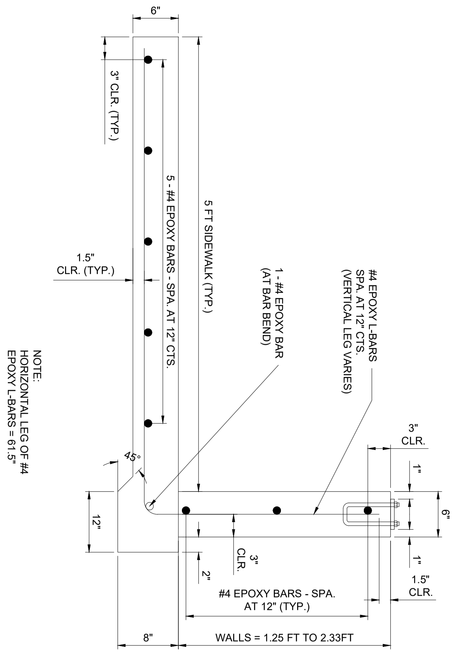

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40
OF 81

INT. RETAINING WALL WITH REINF.

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

REVISIONS				DRAWING INFO.	
NO.	DESCRIPTION	BY	DATE	FIELD BY:	
1	PLANS FOR BID	KEL	09/30/25	DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(443)

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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER 2006007
LICENSED
PROFESSIONAL ENGINEER
9/18/2025

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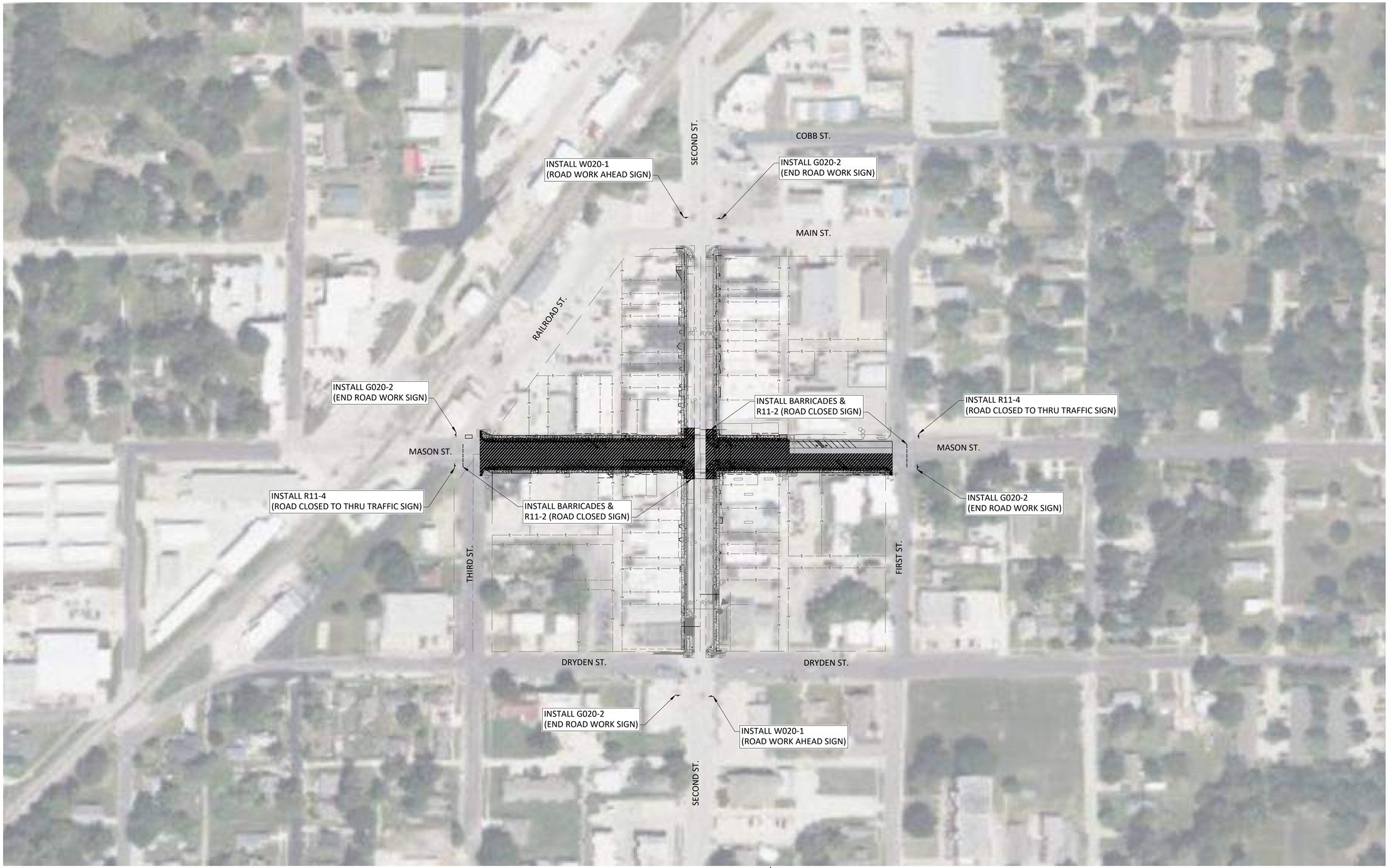

TRAFFIC CONTROL NOTES:
THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO DEMOLITION WORK.

PLAN
100 (IN FEET) 0 50 100

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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9/18/2025

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FIELD BY:
DRAWN BY: NDO
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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TRAFFIC CONTROL - PHASE 1
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
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ODESSA, LAFAYETTE COUNTY, MO

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TRAFFIC CONTROL NOTES:

ANY REQUESTED REVISIONS TO THE PHASING SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW/APPROVAL.

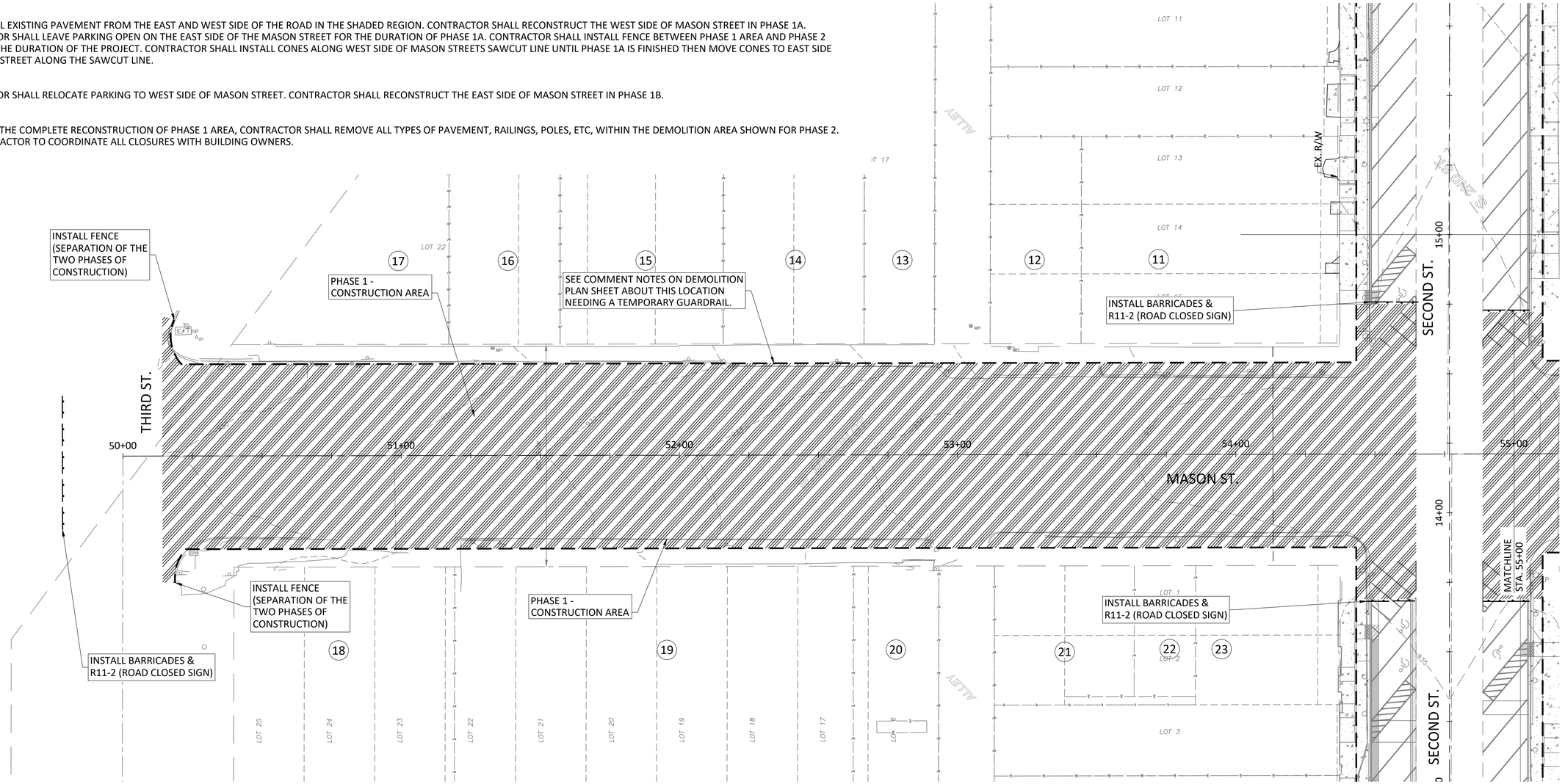
PHASE 1:
1. SAWCUT AT EXISTING MODOT RIGHT-OF-WAY AND REMOVE PAVEMENT AS SHOWN.
2. CONTRACTOR SHALL REMOVE ALL TYPES OF PAVEMENT, RAILINGS, POLES, ETC. WITHIN THE DEMOLITION AREA AS SHOWN FOR EACH PHASE.
3. ALL OTHER REMOVALS NOT LISTED ABOVE WILL BE SUBSIDIARY TO THE REMOVAL OF IMPROVEMENTS.

PHASE 1A:
REMOVE ALL EXISTING PAVEMENT FROM THE EAST AND WEST SIDE OF THE ROAD IN THE SHADED REGION. CONTRACTOR SHALL RECONSTRUCT THE WEST SIDE OF MASON STREET IN PHASE 1A. CONTRACTOR SHALL LEAVE PARKING OPEN ON THE EAST SIDE OF THE MASON STREET FOR THE DURATION OF PHASE 1A. CONTRACTOR SHALL INSTALL FENCE BETWEEN PHASE 1 AREA AND PHASE 2 AREA FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL INSTALL CONES ALONG WEST SIDE OF MASON STREETS SAWCUT LINE UNTIL PHASE 1A IS FINISHED THEN MOVE CONES TO EAST SIDE OF MASON STREET ALONG THE SAWCUT LINE.

PHASE 1B:
CONTRACTOR SHALL RELOCATE PARKING TO WEST SIDE OF MASON STREET. CONTRACTOR SHALL RECONSTRUCT THE EAST SIDE OF MASON STREET IN PHASE 1B.

PHASE 2:
1. AFTER THE COMPLETE RECONSTRUCTION OF PHASE 1 AREA, CONTRACTOR SHALL REMOVE ALL TYPES OF PAVEMENT, RAILINGS, POLES, ETC, WITHIN THE DEMOLITION AREA SHOWN FOR PHASE 2.
2. CONTRACTOR TO COORDINATE ALL CLOSURES WITH BUILDING OWNERS.

TRAFFIC CONTROL NOTES:
THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO DEMOLITION WORK.



PARCEL	OWNER
11	DIANE E. WHITE
12	BORGMAN'S DAIRY FARM LLC
13	JHW INVESTMENTS, LLC
14	MARTINKO ENTERPRISES LLC
15	HOLLOW POINT ACRES LLC
16	HOLLOW POINT ACRES LLC
17	HD GRAPHICS & APPAREL, LLC

PARCEL	OWNER
18	BRIAN & HALEY CORN
19	JOSEPH D. & JAMES B. SPAAR
20	JOSEPH & JAMIE WIMBERLY
21	MIKEL BUD & BETTINA CHRISTIANE, KNIGHT
22	DONALD & DEBORAH WHITSITT
23	BANK OF ODESSA

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STATE OF MISSOURI
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NUMBER PE-2025008037
PROFESSIONAL ENGINEER
9-18-2025

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TRAFFIC CONTROL - PHASE 1

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

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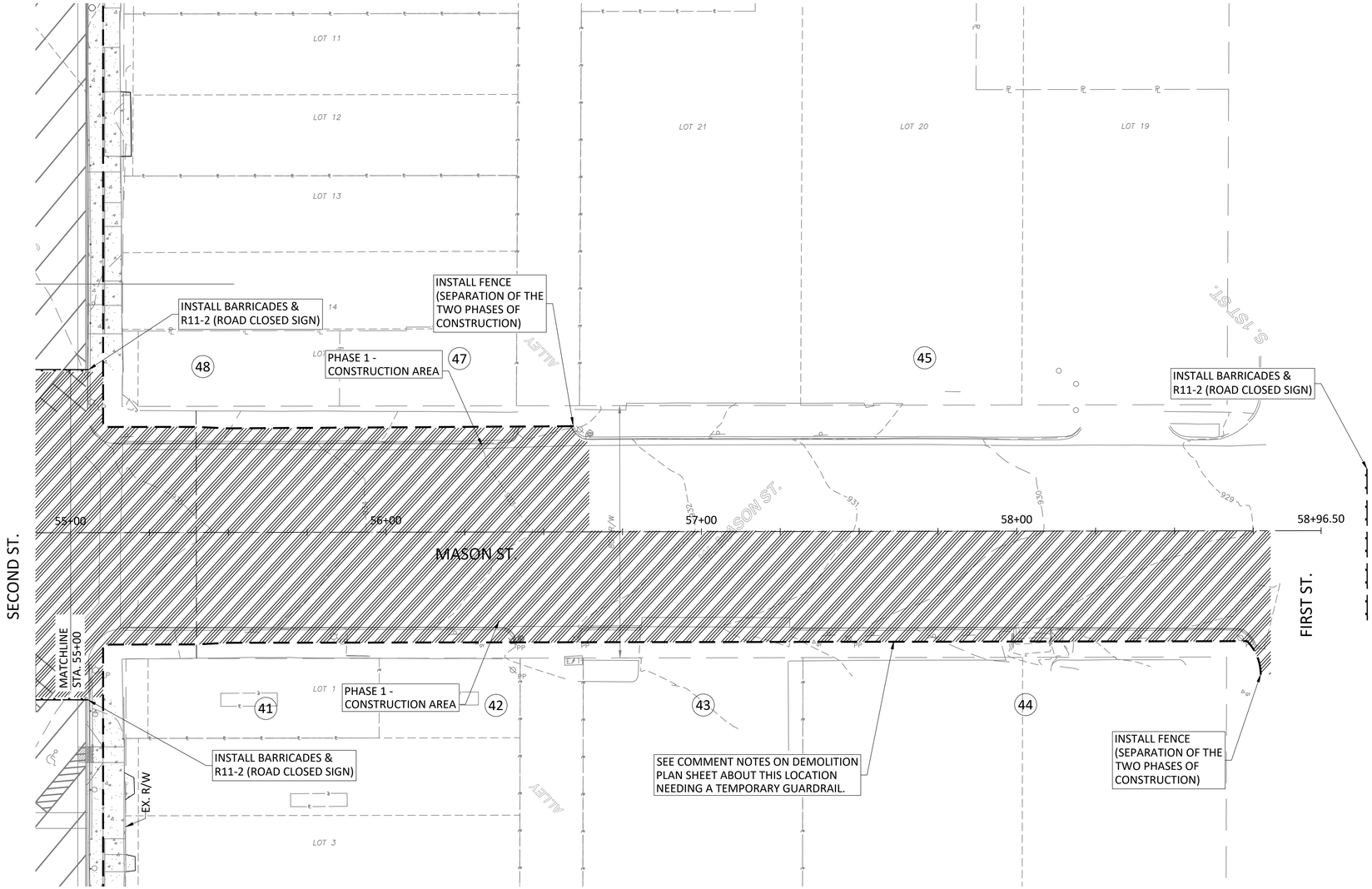
TRAFFIC CONTROL NOTES:
THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO DEMOLITION WORK.

PARCEL	OWNER
45	TRAILS REGIONAL LIBRARY CONSOIDATED PUBLIC LIBRARY DISTRICT #4
47	JEFFREY B & DEANNA M, GASH
48	HERITAGE INVESTMENT PARTNERS, LLC



PARCEL	OWNER
40	WOODRUFF'S RE HOLDINGS LLC
41	HERITAGE INVESTMENT PARTNERS, LLC
42	HERITAGE INVESTMENT PARTNERS, LLC
43	JHW INVESTMENTS, LLC
44	ADAMS EVENT CENTER LLC

PLAN
20 (IN FEET) 0 10 20

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GREGORY SCOTT PARKER
NUMBER PE-2025008037
PROFESSIONAL ENGINEER
09/18/2025

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TRAFFIC CONTROL - PHASE 1

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 43 OF 81

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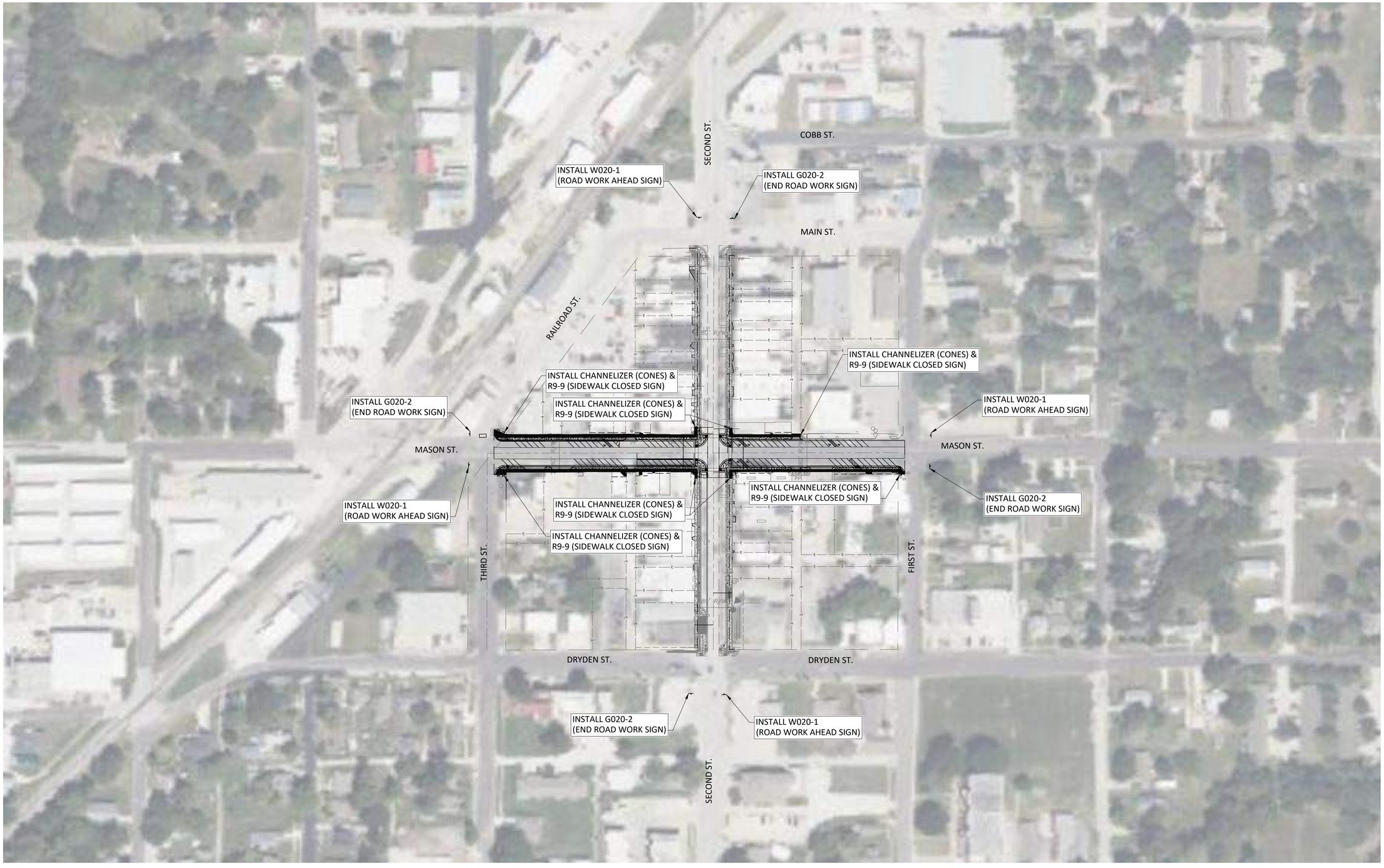

TRAFFIC CONTROL NOTES:
THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO DEMOLITION WORK.

PLAN
100 (IN FEET) 0 50 100

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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
9/18/2025
PROFESSIONAL ENGINEER

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NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

REVISIONS

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TRAFFIC CONTROL - PHASE 2

MASON STREET HISTORICAL
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ODESSA, LAFAYETTE COUNTY, MO

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TRAFFIC CONTROL NOTES:
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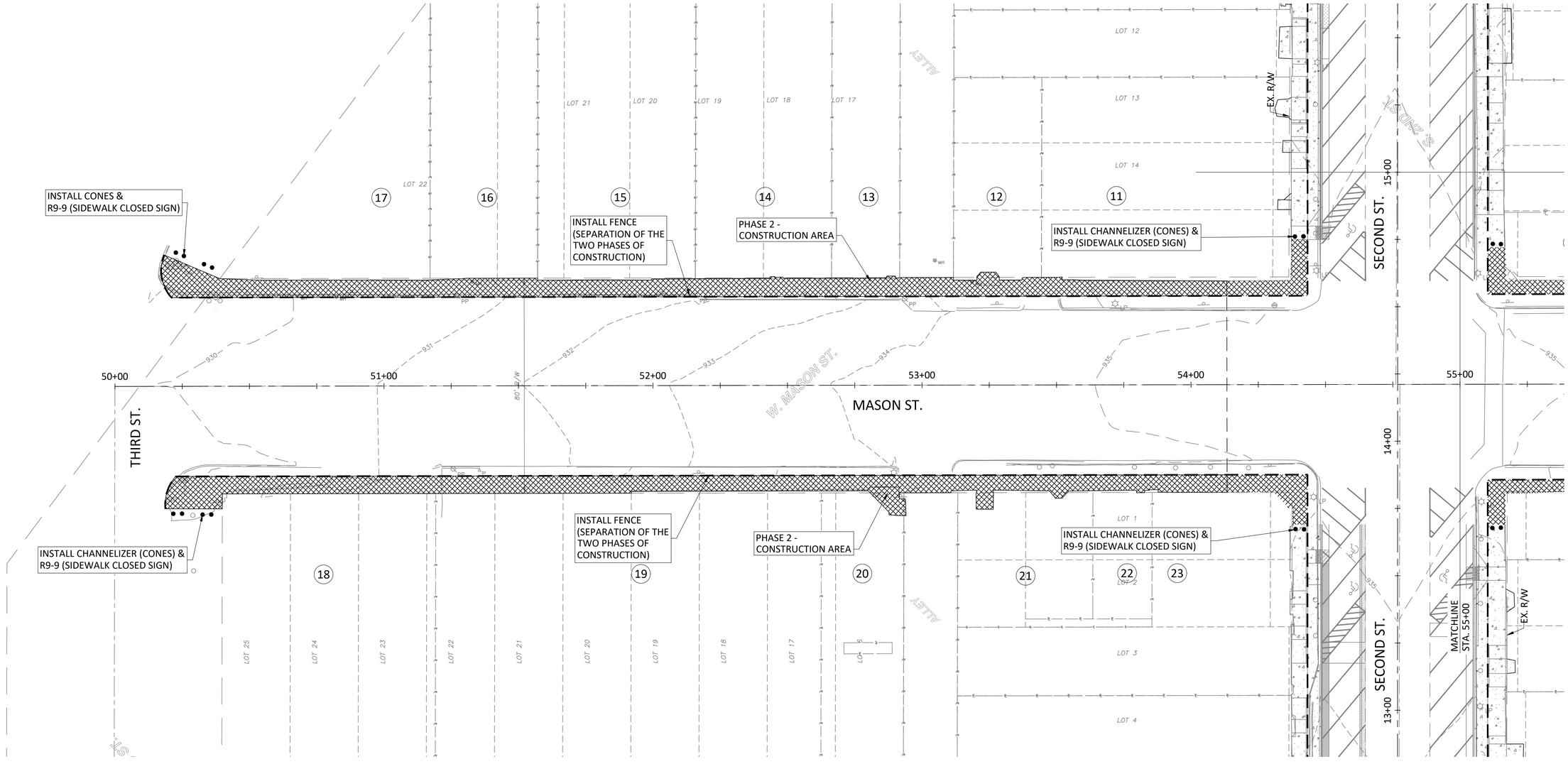
INSTALL CONES & R9-9 (SIDEWALK CLOSED SIGN)
INSTALL FENCE (SEPARATION OF THE TWO PHASES OF CONSTRUCTION)
PHASE 2 - CONSTRUCTION AREA
INSTALL CHANNELIZER (CONES) & R9-9 (SIDEWALK CLOSED SIGN)
INSTALL CHANNELIZER (CONES) & R9-9 (SIDEWALK CLOSED SIGN)
INSTALL FENCE (SEPARATION OF THE TWO PHASES OF CONSTRUCTION)
PHASE 2 - CONSTRUCTION AREA
INSTALL CHANNELIZER (CONES) & R9-9 (SIDEWALK CLOSED SIGN)
MASON ST.
W. MASON ST.
THIRD ST.
SECOND ST.
SECOND ST.
MATCHLINE STA. 55+00
EX. R/W
EX. R/W
50+00
51+00
52+00
53+00
54+00
55+00
15+00
14+00
13+00
LOT 12
LOT 13
LOT 14
LOT 21
LOT 20
LOT 19
LOT 18
LOT 17
LOT 22
LOT 25
LOT 24
LOT 23
LOT 22
LOT 21
LOT 20
LOT 19
LOT 18
LOT 17
LOT 1
LOT 2
LOT 3
LOT 4
ALLEY
ALLEY
17
16
15
14
13
12
11
18
19
20
21
22
23
930
931
932
933
934
935
935
935
80' R/W
MH
PP
PP
PP

TRAFFIC CONTROL NOTES:
THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO DEMOLITION WORK.

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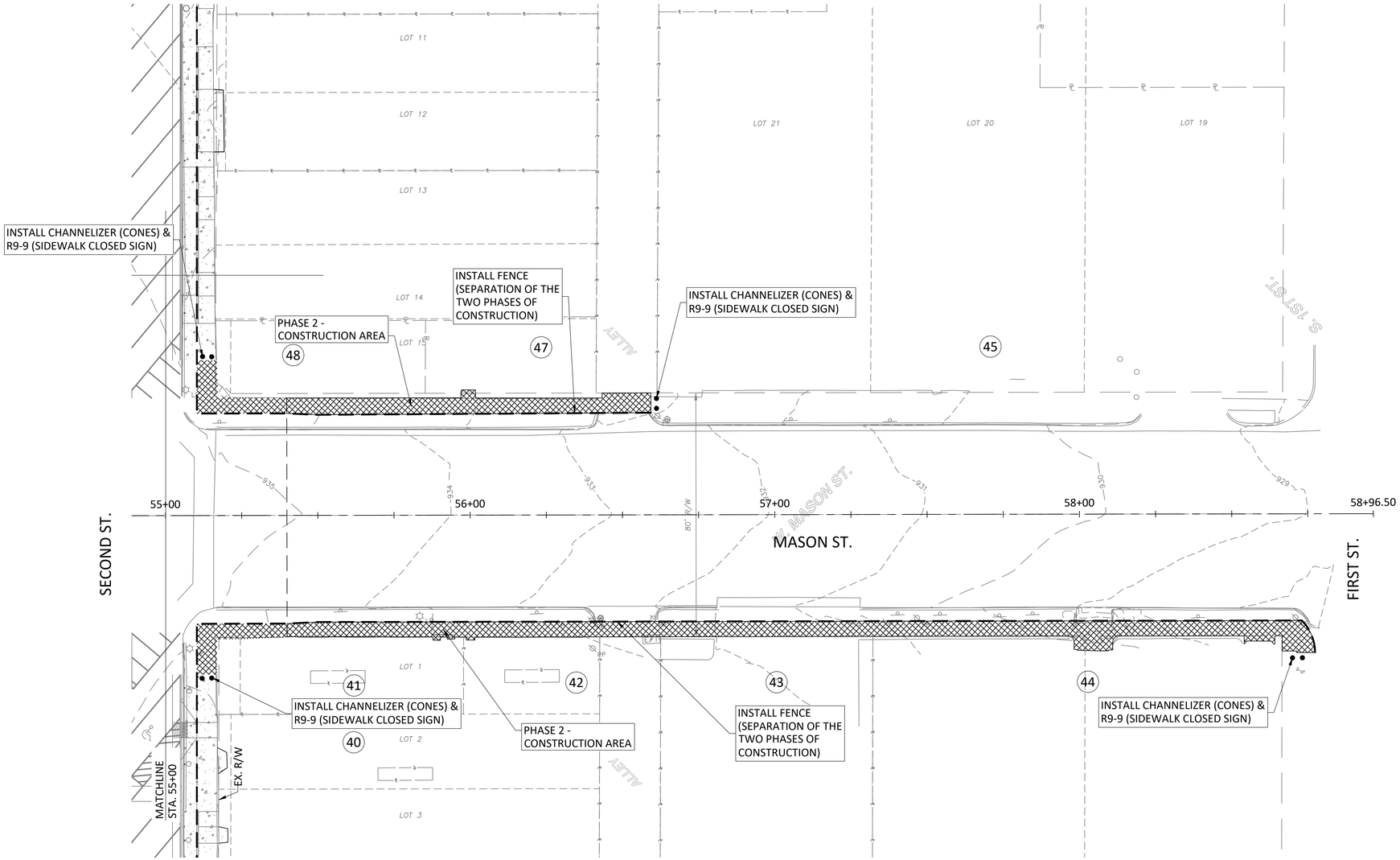

PARCEL	OWNER
40	WOODRUFF'S RE HOLDINGS LLC
41	HERITAGE INVESTMENT PARTNERS, LLC
42	HERITAGE INVESTMENT PARTNERS, LLC
43	JHW INVESTMENTS, LLC
44	ADAMS EVENT CENTER LLC

PLAN
20 (IN FEET) 0 10 20

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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2625008037
PROFESSIONAL ENGINEER
09/18/2025

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NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

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TRAFFIC CONTROL - PHASE 2

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 46 OF 81

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LEGEND

STAGING AND PARKING AREA

20 10 0 10 20 (IN FEET)
PLAN

SHEET NUMBER
47
OF 81

SITE PLAN

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

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				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(443)

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GREGORY SCOTT PARKER NUMBER 2006007 PROFESSIONAL ENGINEER STATE OF MISSOURI
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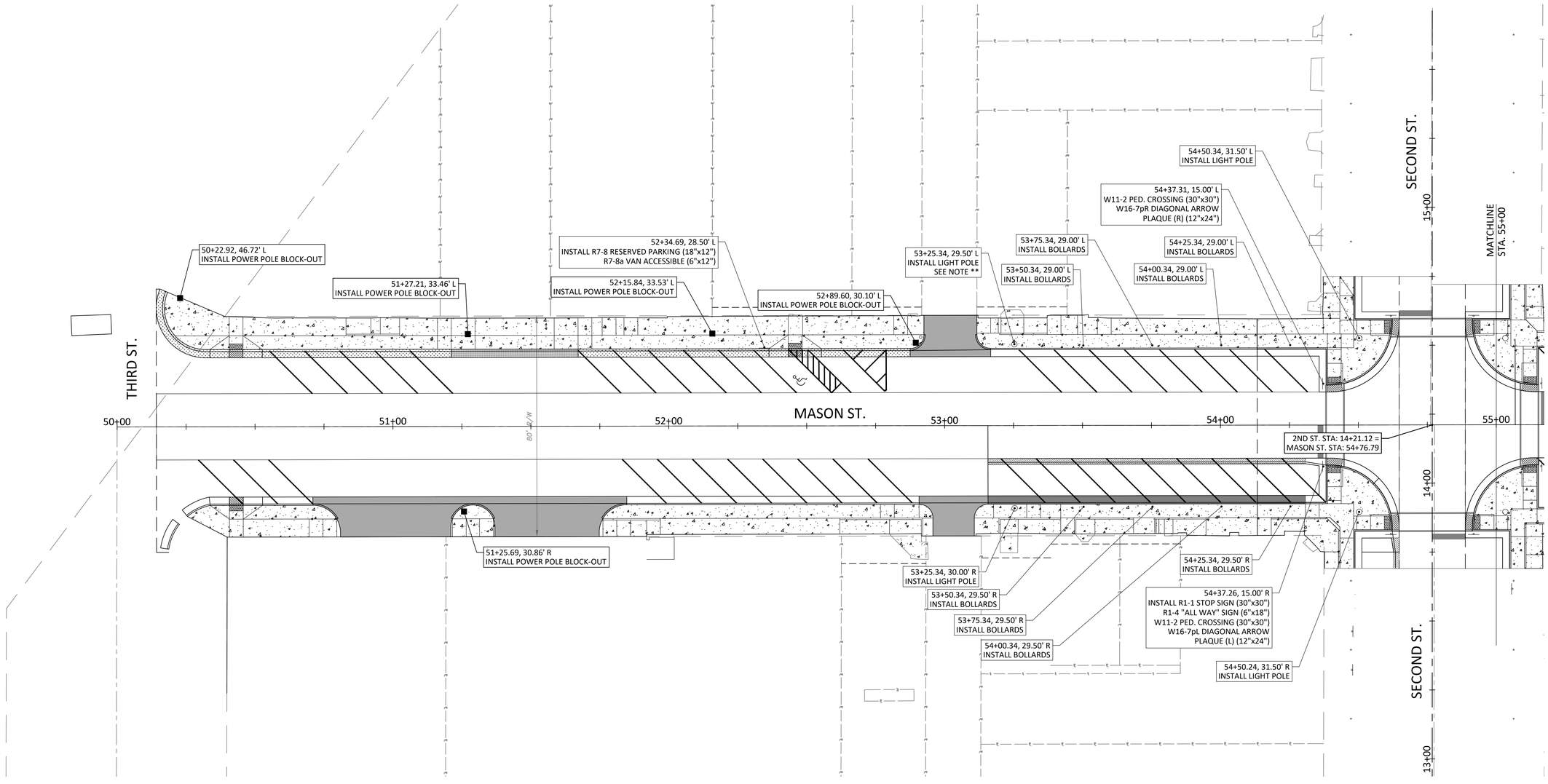
NOTE **
PLEASE TAKE CAUTION WHEN PLACING LIGHT POLE FOUNDATION.
2" GAS MAIN NEAR PROPOSED FOUNDATION.



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JOB NUMBER:		

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SIGN & POLE LAYOUT PLAN
MASON STREET HISTORICAL
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ODESSA, LAFAYETTE COUNTY, MO

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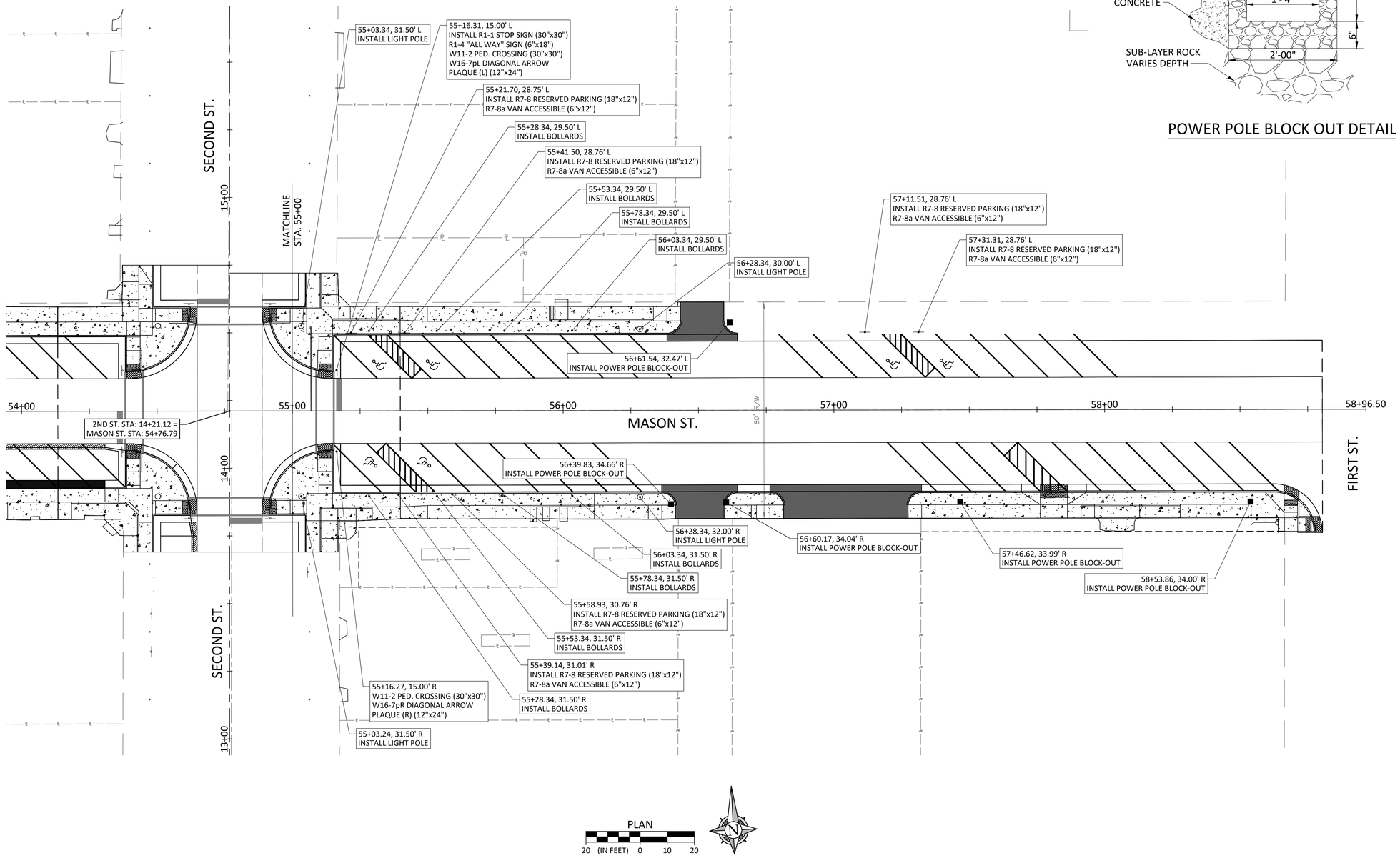

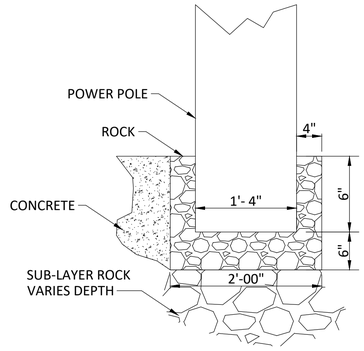

POWER POLE BLOCK OUT DETAIL

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STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE: 2025008037
PROFESSIONAL ENGINEER
9-18-2025

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SIGN & POLE LAYOUT PLAN
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
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ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 49 OF 81

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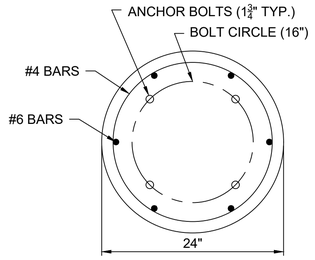

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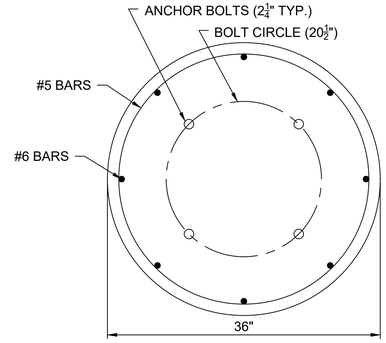

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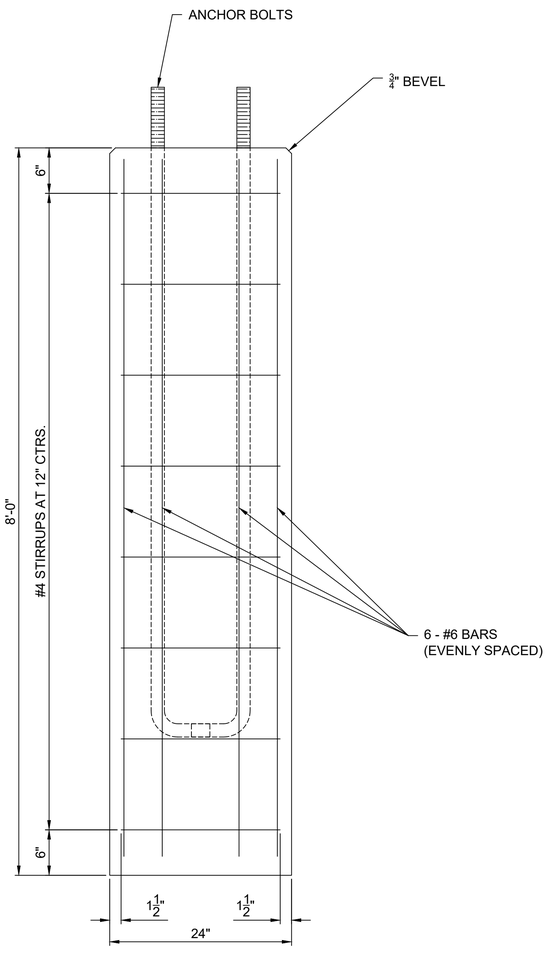
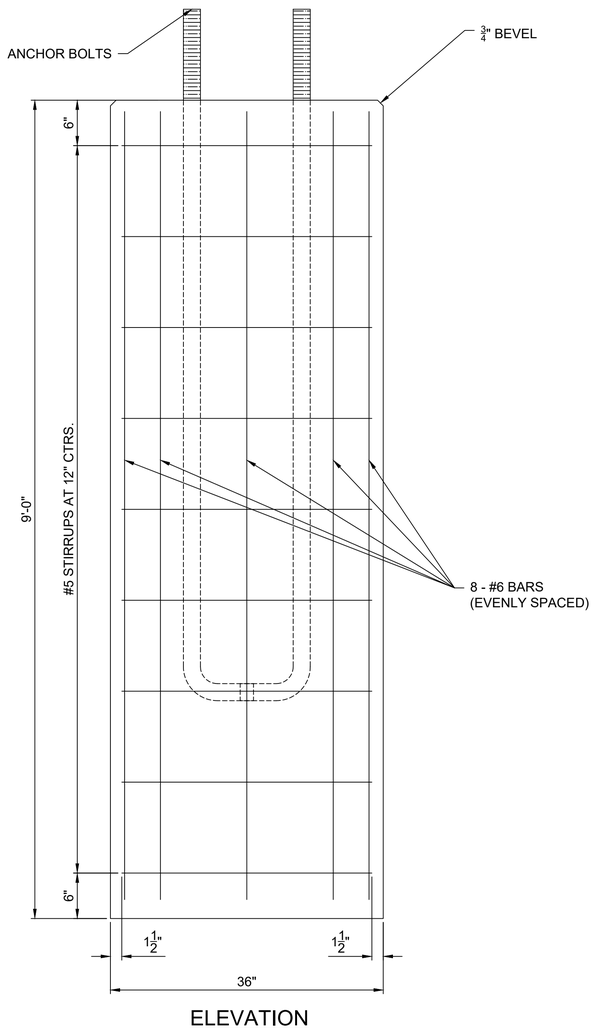


ELEVATION



ELEVATION

QUANTITIES			
		CONC.	REINF.
DIA. (IN)	HEIGHT	CU. YD	LBS.
24	8'-0"	0.93	104
36	9'-0"	2.36	186

GENERAL NOTES:

ALL CLASSIFICATIONS ARE ASTM UNLESS OTHERWISE NOTED. SEE STANDARD SPECIFICATIONS FOR CLASSIFICATIONS NOT SHOWN.

ALL CONNECTOR PLATES AND CLOSURE PLATE THICKNESSES SHOWN ARE MINIMUM DIMENSIONS.

ALL STEEL COMPONENTS SHALL BE HOT DIPPED GALVANIZED UNLESS DETAILED OTHERWISE.

ANCHOR BOLT HOOKS SHALL BE DIRECTED TOWARDS THE CENTER OF FOUNDATIONS

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STATE OF MISSOURI
GREGORY SCOTT PARKER
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POLE FOUNDATION DETAILS
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

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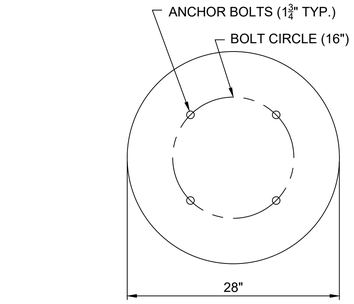
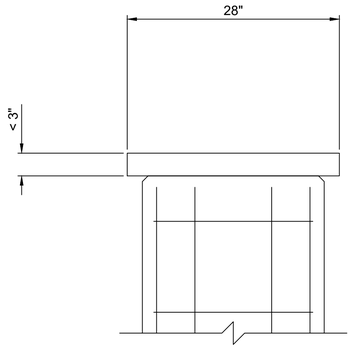
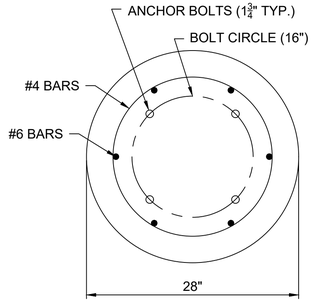
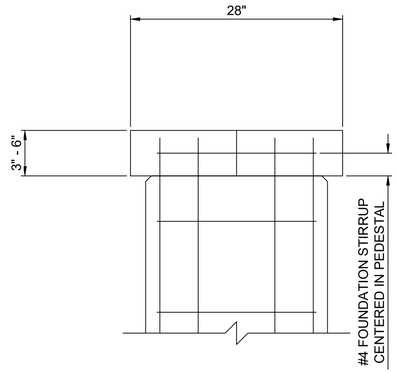
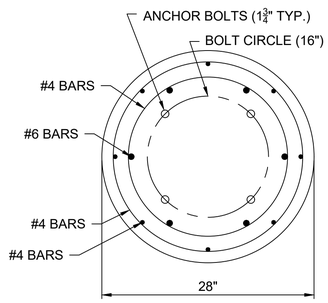
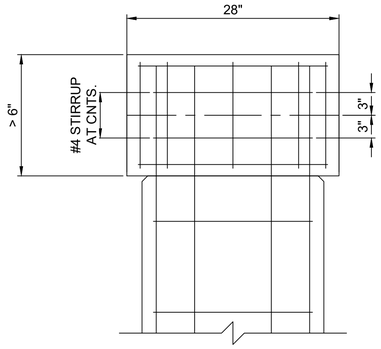




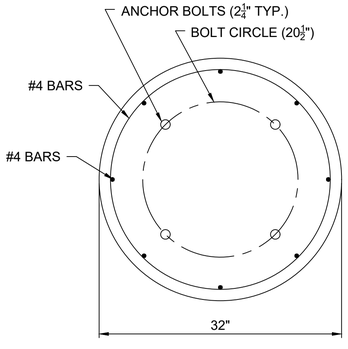


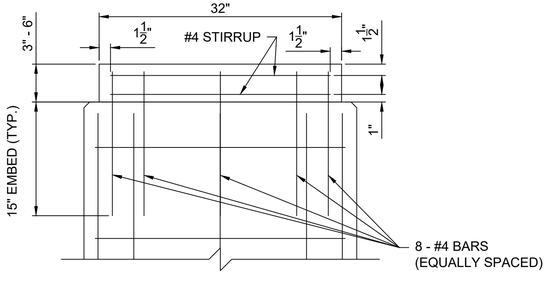


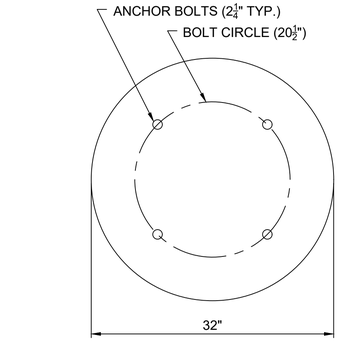


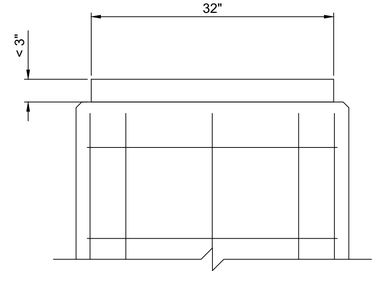


DETAILS FOR 24" DIAMETER FOUNDATION ELEVATION PEDESTALS

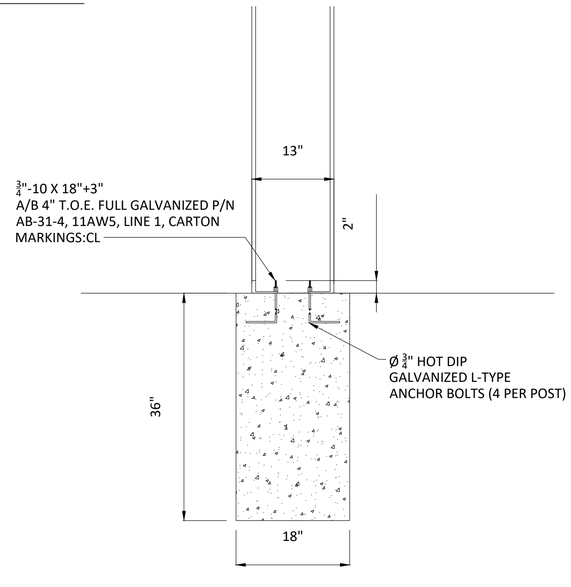








DETAILS FOR 36" DIAMETER FOUNDATION ELEVATION PEDESTALS



BOLLARD FOUNDATION

NOTE:

ELEVATION PEDESTALS ARE REQUIRED ON SEVERAL LIGHT POLE FOUNDATIONS TO REACH ADEQUATE ELEVATION FOR LIGHTING

FOR 24" DIAMETER FOUNDATIONS:

IF THE ELEVATION CHANGE IS LESS THAN 3 INCHES NO ADDITIONAL REINFORCING IS REQUIRED

IF THE ELEVATION CHANGE IS GREATER THAN 3 INCHES BUT LESS THAN OR EQUAL TO 6 INCHES ONE ADDITIONAL STIRRUP IS REQUIRED AT THE EQUIVALENT DIAMETER OF THOSE USED IN THE FOUNDATION CENTERED IN THE PEDESTAL WITH #6 VERTICAL BARS LENGTHEN TO ACCOMMODATE

IF THE ELEVATION CHANGE IS GREATER THAN 6 INCHES TWO ADDITIONAL STIRRUP IS REQUIRED AT THE EQUIVALENT DIAMETER OF THOSE USED IN THE FOUNDATION AT 6 INCH ON CENTER, 3 INCHES OFFSET FROM CENTER OF PEDESTAL, AS WELL AS UNIQUE DIAMETER STIRRUPS WITH #6 VERTICAL BARS LENGTHEN TO ACCOMMODATE

FOR 36" DIAMETER FOUNDATIONS:

IF THE ELEVATION CHANGE IS LESS THAN 3 INCHES NO ADDITIONAL REINFORCING IS REQUIRED

IF THE ELEVATION CHANGE IS GREATER THAN 3 INCHES BUT LESS THAN OR EQUAL TO 6 INCHES TWO ADDITIONAL STIRRUPS ARE REQUIRED AT UNIQUE DIAMETER STIRRUPS AND VERTICAL BARS IDENTIFIED IN THE PEDESTAL DETAILS

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ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2625008037
PROFESSIONAL ENGINEER
9/18/2025

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25

DRAWING INFO:
FIELD BY:
DRAWN BY: NDO
CHECK BY:
DATE: 9/18/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

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POLE FOUNDATION DETAILS
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 51
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PLAN

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PAVEMENT MARKING

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

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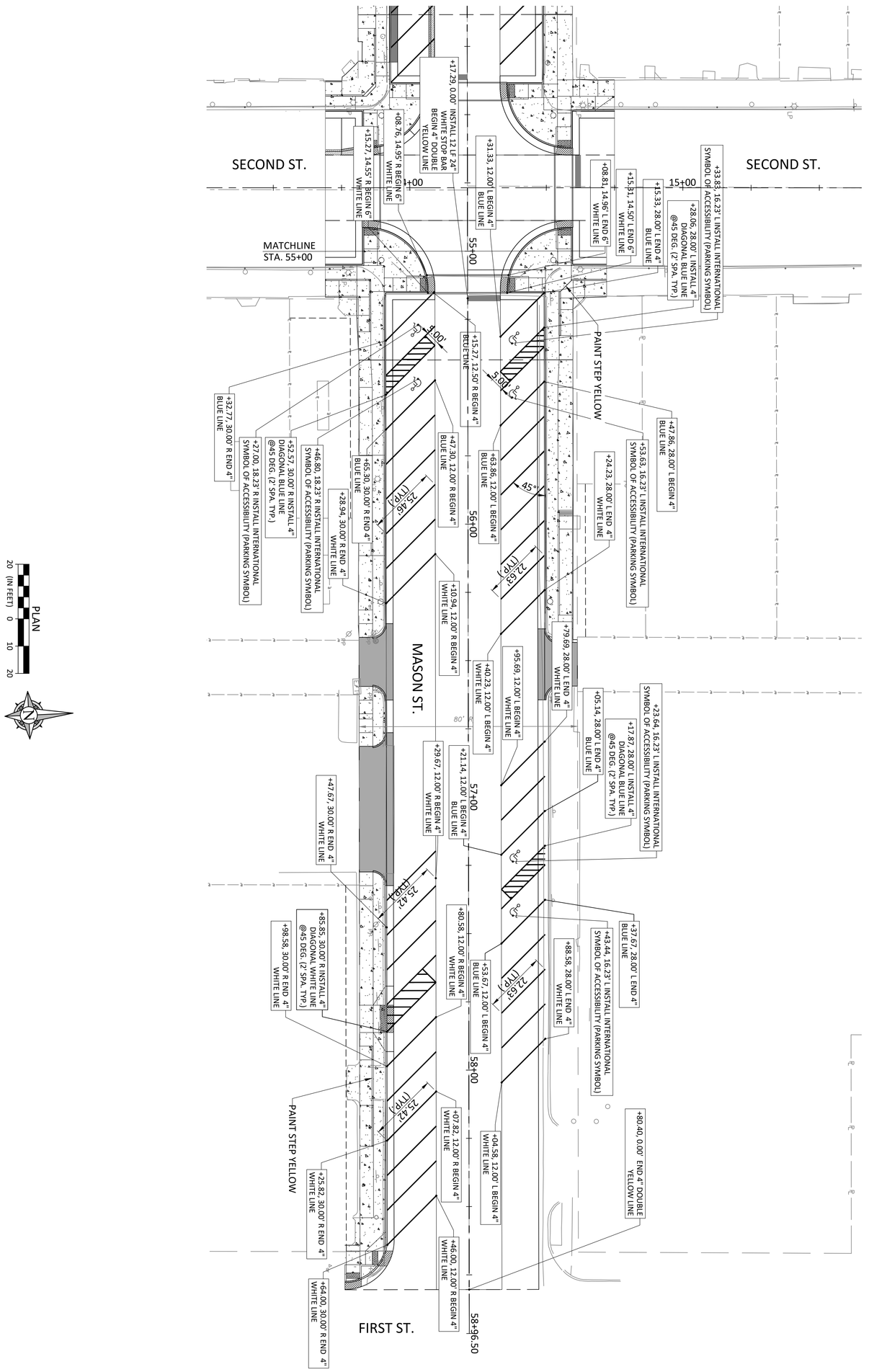

SHEET NUMBER	PAVEMENT MARKING
53 OF 81	MASON STREET HISTORICAL DOWNTOWN DISTRICT IMPROVEMENTS
	SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
	ODESSA, LAFAYETTE COUNTY, MO

REVISIONS				DRAWING INFO.	
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				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(443)

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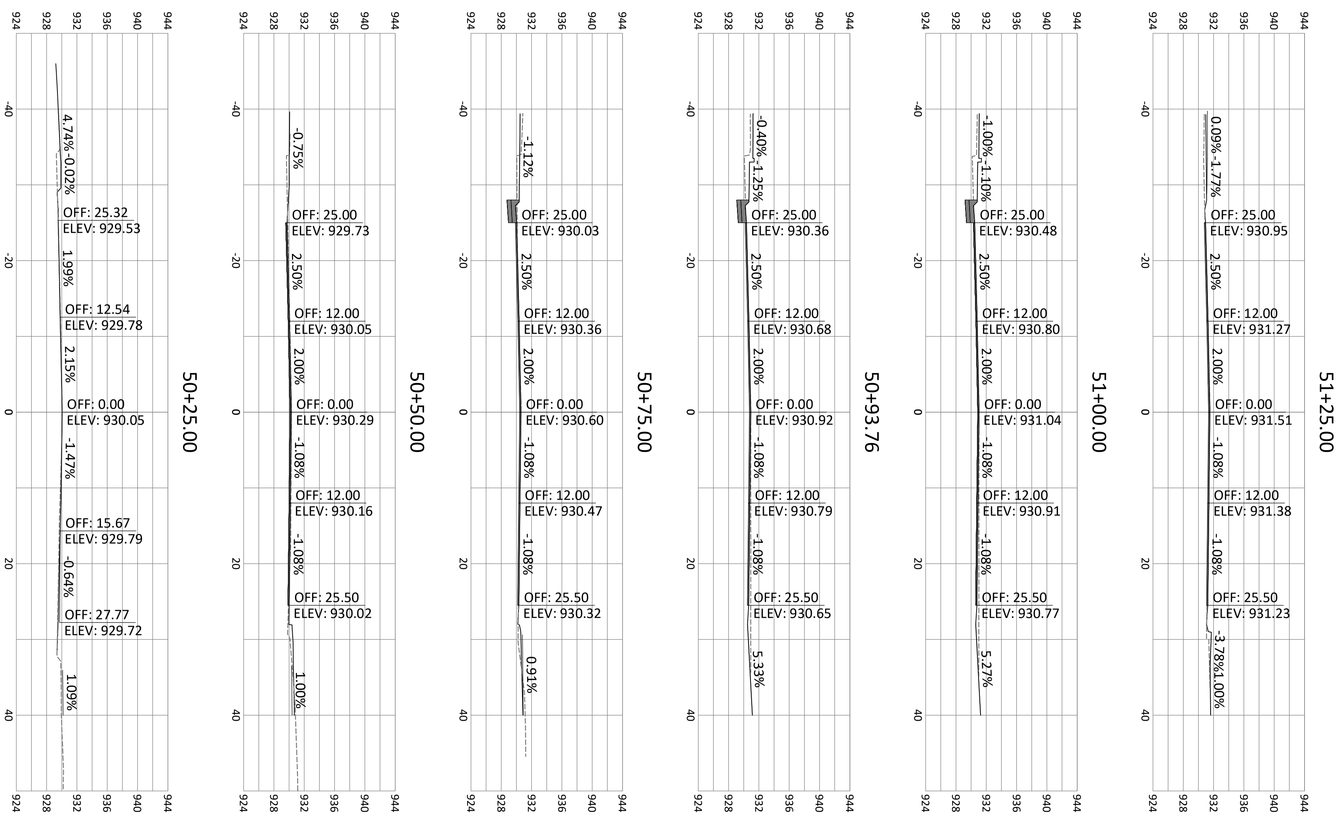

SHEET NUMBER
54
OF 81

CROSS SECTIONS

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

REVISIONS				DRAWING INFO.	
NO.	DESCRIPTION	BY	DATE	FIELD BY:	
1	PLANS FOR BID	KEL	09/30/25	DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(443)

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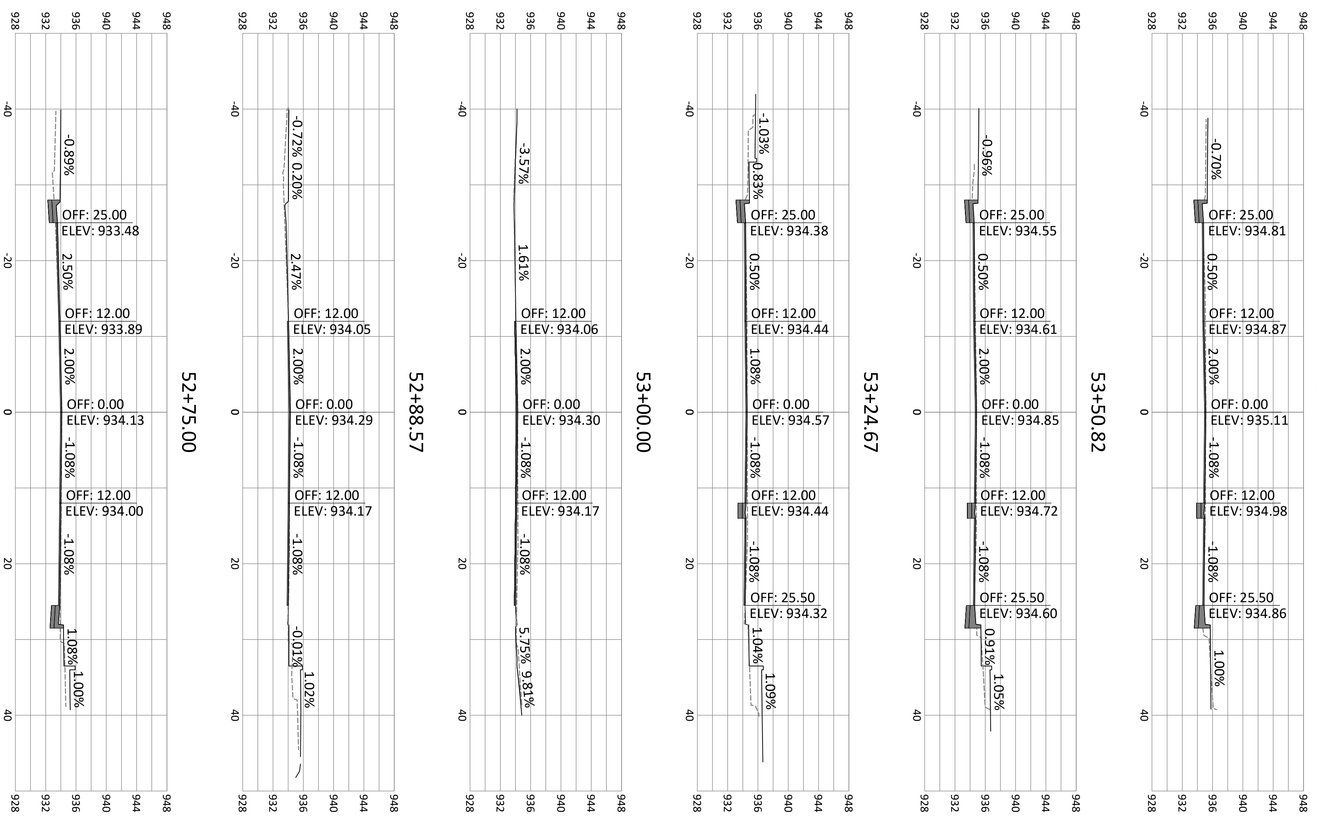

SHEET NUMBER
55
OF 81

CROSS SECTIONS

MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

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				DATE:	9/18/2025
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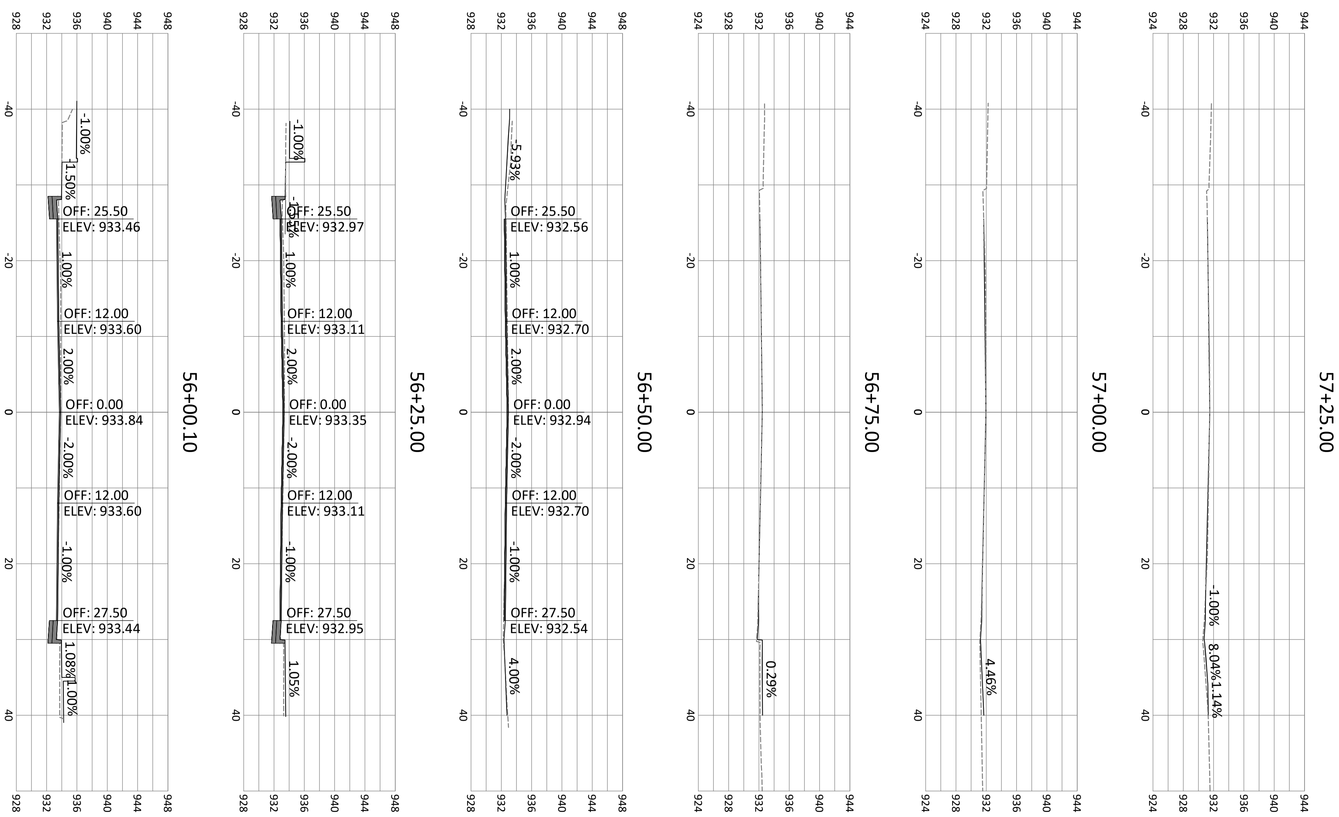

SHEET NUMBER	CROSS SECTIONS
56 OF 81	MASON STREET HISTORICAL DOWNTOWN DISTRICT IMPROVEMENTS
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	ODESSA, LAFAYETTE COUNTY, MO

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				DATE:	9/18/2025
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ELECTRICAL GENERAL SYMBOLS

CU / X	EQUIPMENT DESIGNATION.
2 / E10	SECTION/ELEVATION REFERENCE NUMBER. SECTION/ELEVATION SHEET NUMBER.
A / E3.3	WIRING CONTINUATION REFERENCE NUMBER. WIRING CONTINUATION SHEET NUMBER.
	CONDUIT AND CIRCUITRY TO BE REMOVED.
	BRANCH CIRCUIT WIRING RUN IN CONCEALED CONDUIT WHERE POSSIBLE.
	BRANCH CIRCUIT CONDUCTORS: GROUND, NEUTRAL, HOT (OR SWITCHED HOT).
3 / 9LD	SINGLE BRANCH CIRCUIT HOME RUN IN SINGLE CONDUIT WITH PANELBOARD DESIGNATION AND CIRCUIT BREAKER NUMBER. #12 AWG UNLESS OTHERWISE NOTED.
	PARTIAL BRANCH CIRCUIT.
5 3 / 1 9LD	MULTIPLE BRANCH CIRCUIT HOME RUNS IN SINGLE CONDUIT WITH PANELBOARD DESIGNATION AND CIRCUIT BREAKER NUMBER. NUMBER OF ARROW HEADS EQUALS NUMBER OF HOMERUNS IN CONDUIT.
	BRANCH CIRCUIT UNDERFLOOR/BELOW GRADE CONDUIT.
	LOW VOLTAGE CABLING CONCEALED IN CONDUIT.
E	ELECTRICAL SITE UTILITY (CONDUIT AND WIRING).

ELECTRICAL LIGHTING SYMBOLS

	POLE, WITH POLE MOUNTED LIGHT FIXTURE.
	LIGHT BOLLARD
PC	PHOTOCELL.
$	LIGHT SWITCH, TOGGLE TYPE, 20 AMP, 120-277 VOLT AC.
$3	3-WAY LIGHT SWITCH, TOGGLE TYPE, 20 AMP, 120-277 VOLT AC.
$4	4-WAY LIGHT SWITCH, TOGGLE TYPE, 20 AMP, 120-277 VOLT AC.
$WP	WEATHERPROOF LIGHT SWITCH, 20AMPS, 120-277 VOLT AC.

ELECTRICAL POWER SYMBOLS

	PANELBOARD.
	CONTROL PANEL.
	UTILITY METER ENCLOSURE.
	GROUND ROD/ELECTRODE.
	NON-FUSED DISCONNECT SWITCH.
F	FUSED DISCONNECT SWITCH.
M	MANUAL TRANSFER SWITCH.
CB	CIRCUIT BREAKER STYLE DISCONNECT SWITCH.
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH.
	DEDICATED SIMPLEX RECEPTACLE.
	DUPLEX CONVENIENCE RECEPTACLE.
C	DUPLEX RECEPTACLE MOUNTED AT THE CEILING.
WP	WEATHER PROOF, GROUNDING TYPE DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20 AMP AC, 125 VOLT, NEMA 20-R, HEAVY DUTY.
GFCI	GROUNDING TYPE DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20 AMP, 120 VOLT AC, NEMA 5-20R, HEAVY DUTY.
WG	WEATHERPROOF, GROUNDING TYPE DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20 AMP, 120 VOLT AC, NEMA 5-20 R, HEAVY DUTY.
A	DUPLEX RECEPTACLE MOUNTED ABOVE THE COUNTER BACK SPLASH.
AG	GROUND FAULT INTERRUPTER TYPE RECEPTACLE, MOUNTED ABOVE THE COUNTER BACK SPLASH.
X	SPECIAL PURPOSE RECEPTACLE - WALL MOUNTED. SUPERSCRIPT LETTER INDICATES TYPE.
	FOURPLEX CONVENIENCE RECEPTACLE.
P	EMERGENCY STOP PUSH-BUTTON.
	MOTOR.
	MOTOR STARTER.
	TRANSFORMER.
	GROUNDING ELECTRODE.
	GROUNDING ELECTRODE TEST WELL.

ELECTRICAL NOTATIONS

A	AMPS.
ADA	AMERICANS WITH DISABILITIES ACT.
AFF	ABOVE FINISHED FLOOR.
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE.
BAS	BUILDING AUTOMATION SYSTEM.
CKT	CIRCUIT.
EO	ELECTRONICALLY OPERATED.
ETR	EXISTING TO REMAIN
F/UTP	FOILED UNSHIELDED TWISTED PAIR.
GC	GENERAL CONTRACTOR.
ICC	INDEPENDENT CONTROLS CONTRACTOR.
I/C	INDICATES SINGLE CONDUCTOR CABLE.
IDC	INDICATING DEVICE CIRCUIT.
J	JUNCTION BOX.
KK	KIRK KEY INTERLOCK.
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT CIRCUIT BREAKER TRIP SETTINGS.
LSIGM	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT CIRCUIT WITH METERING BREAKER TRIP SETTINGS.
NEC	NATIONAL ELECTRIC CODE (NFPA 70).
NECA	NATIONAL ELECTRIC CONTRACTORS ASSOCIATION.
NEMA	NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION.
NETA	NATIONAL ELECTRIC TESTING ASSOCIATION.
NFPA	NATIONAL FIRE PROTECTION AGENCY.
NICET	NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGY.
NO	NORMALLY OPEN.
NC	NORMALLY CLOSED.
NL	NIGHT LIGHT.
MA	MILLIAMPS.
MAX	MAXIMUM.
MIN	MINIMUM.
OC	ON CENTER.
PC	PULL COUNT.
REV	REVISION.
SBTC	SOLID BARE TINNED COPPER.
TSP	TWISTED SHIELDED PAIR.
TYP	TYPICAL.
UL	UNDERWRITERS LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE.
UTP	UNSHIELDED TWISTED PAIR
V	VOLTS.
VAC	VOLTS ALTERNATING CURRENT.
VDC	VOLTS DIRECT CURRENT.
"AG"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES DEVICE BOTTOM TO BE MOUNTED 4" ABOVE COUNTER BACKSPLASH AND GROUND FAULT RECEPTACLE.
"GFCI"	THIS LETTER ADJACENT TO ANY SYMBOL INDICATES GROUND FAULT INTERRUPTER.
"WP"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES WEATHER-PROOF DEVICE/ENCLOSURE.
"WG"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES WEATHER-PROOF ENCLOSURE WITH GROUND FAULT INTERRUPTER.
+60"	DIMENSIONS ADJACENT TO ANY SYMBOL INDICATES MOUNTING HEIGHT TO CENTERLINE OF DEVICE.

GENERAL NOTES:

1) THESE PLANS ARE SCHEMATIC IN NATURE AND ARE INTENDED TO DEPICT GENERAL SCOPE OF WORK. ALL WORK SHALL BE PERFORMED PER ALL LOCAL AND STATE CODES AND REGULATIONS.

2) COORDINATE ALL WORK WITH OWNER, ENGINEER, EQUIPMENT MANUFACTURERS, AND ALL OTHER TRADES.

3) COORDINATE ALL CONNECTION SIZES AND REQUIREMENTS WITH EQUIPMENT MANUFACTURER. ALL PIPING SHALL BE SIZED AND INSTALLED PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.

4) DRAWINGS ARE DESIGNED FOR THE MANUFACTURER'S MATERIALS, EQUIPMENT, OR SERVICES NAMED ON PLANS AND ANY CHANGES AND THEIR ASSOCIATED COSTS REQUIRED TO ACCOMMODATE OTHER APPROVED EQUIVALENT MATERIAL OR EQUIPMENT AS WELL AS SPACE REQUIREMENTS FOR THE OTHER APPROVED EQUIVALENT MUST BE ASSUMED BY THE CONTRACTOR IN THEIR BID.

5) INSTALL ALL EQUIPMENT WHILE MAINTAINING ALL REQUIRED CLEARANCES PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND PER LOCAL CODES.

6) ALL EXTERIOR PENETRATIONS SHALL BE SEALED WEATHER/WATER TIGHT.

7) ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY APPROVED BY THE AUTHORITY HAVING JURISDICTION.

8) THE CONTRACTOR SHALL STORE AND PROTECT FROM DAMAGE ALL EQUIPMENT AND MATERIALS AFTER DELIVERY TO THE JOB SITE. COVER WITH WATERPROOF, TEAR-RESISTANT, HEAVY TARP OR POLYETHYLENE PLASTIC AS REQUIRED TO PROTECT FROM PLASTER, DIRT, PAINT, WATER, OR PHYSICAL DAMAGE.

9) ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS INCLUDING THE CURRENT RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION, MECHANICAL CODE, OSHA, AND ALL STATE AND LOCAL LAWS, CODES, AND ORDINANCES.

10) ALL FIXTURES, APPLIANCES, EQUIPMENT, AND MATERIALS WHICH ARE SUBJECT TO UNDERWRITERS LABORATORY TESTS SHALL BEAR SUCH APPROVAL.

11) THE DRAWINGS, SPECIFICATIONS, REFERENCED STANDARDS, ETC. ARE COMPLIMENTARY OF ONE ANOTHER. IN THE EVENT OF CONFLICT BETWEEN ANY PORTION OF THESE DOCUMENTS, THE ENGINEER SHALL BE CONTACTED FOR FORMAL INTERPRETATION OF THE REQUIREMENTS. THE CONTRACTOR SHALL BE DEEMED TO HAVE PROVIDED THE MOST DETAILED AND EXPENSIVE INTERPRETATION OF THE REQUIREMENT IN THE BID. ANY WORK INSTALLED IN CONFLICT WITH THE ENGINEER INTERPRETATION SHALL BE CORRECTED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND AT NO EXPENSE TO THE OWNER.

12) ALL WALL PENETRATIONS AND/OR FLAWS WITHIN WALLS/FLOORS/CEILINGS RESULTING FROM REMOVAL OF EQUIPMENT OR PIPING SHALL BE PATCHED AND PAINTED WITH LIKE MATERIAL MATCHING ADJACENT SURFACE.

13) CONTRACTOR SHALL PROVIDE (1) ELECTRONIC COPY OF SUBMITTALS FOR ALL EQUIPMENT TO THE ENGINEER CLEARLY DEPICTING EQUIPMENT SELECTIONS AND DEVICE SELECTIONS. PROVIDE FINAL RED LINE AS-BUILT DRAWINGS TO ENGINEER.

14) ALL WORK REQUIRING THE OPENING OR INVESTIGATION OF ELECTRICAL OR MECHANICAL EQUIPMENT IS CLASSIFIED AS WORK ON OR NEAR ENERGIZED EQUIPMENT AND ANY PERSON ASSOCIATED WITH THIS WORK MUST COMPLY WITH THE FACILITIES' ELECTRICAL SAFETY PROGRAM.

15) ALL CONDUIT SHALL BE SEALED WHEN MAKING CONNECTIONS TO JUNCTION BOXES, DISCONNECTS, PANELS, ETC. FOR BOTH INTERIOR AND EXTERIOR WORK.

SYMBOLS/NOTATIONS GENERAL NOTES:

1) THE SYMBOLS/NOTATIONS SHOWN ON THIS SHEET ARE A COMPLETE LIST OF SYMBOLS/NOTATIONS USED BY InSite Group, Inc. AND NOT ALL SYMBOLS/NOTATIONS MAY BE USED ON THIS PROJECT.

2) ALL ITEMS SHOWN DASHED ON WIRING DIAGRAMS OR RISER DIAGRAMS ARE LOW-VOLTAGE WIRING, CONTROL WIRING, OR POSSIBLY FUTURE ITEMS UNLESS NOTED OTHERWISE. REFER TO THE NOTES ON THOSE PLANS FOR ADDITIONAL INFORMATION.

ELECTRICAL GENERAL NOTES:

1) COORDINATE POWER REQUIREMENTS AND FINAL LOCATIONS OF ALL EQUIPMENT, DEVICES, ETC. WITH FINAL EQUIPMENT SELECTION AND INSTALL ALL NECESSARY DEVICES ALLOWING FOR END TERMINATIONS/CONNECTIONS.

2) TYPE WRITTEN PANELBOARD REGISTRIES SHALL BE PROVIDED ON INTERIOR DOOR OF EACH PANELBOARD AND SHALL BE PLACED IN PLASTIC COVER. UPDATE ALL PANELBOARD SCHEDULES AT JOB COMPLETION. PROVIDE NEW TYPE WRITTEN SCHEDULES IN THE PANELBOARD INTERIOR COVER. MODIFIED SCHEDULES ARE NOT ACCEPTABLE.

3) FURNISH, INSTALL, AND CONNECT ALL WIRE, AIRWAY, CONDUIT, CONNECTORS, OUTLETS, ETC. NECESSARY TO ACHIEVE A COMPLETE ELECTRICAL INSTALLATION ALTHOUGH SUCH WORK IS NOT SPECIFICALLY SHOWN OR SPECIFIED. EQUIPMENT SHALL BE INSTALLED PER CODE REQUIREMENTS PROVIDING A SOUND, SECURE, AND COMPLETE INSTALLATION.

4) ALL PANELBOARDS AND SWITCHBOARDS SHALL BE PROVIDED WITH COPPER BUSSING AND SHALL HAVE A HINGED DOOR.

5) PROVIDE PULL BOXES FOR CONDUIT AND WIRE RUNS AS REQUIRED PER THE NEC.

6) LABEL ALL JUNCTION BOXES WITH CIRCUIT NUMBER(S) CONTAINED IN THE JUNCTION BOX AND EQUIPMENT SERVED BY CIRCUITRY IN THE JUNCTION BOX WITH SELF ADHESIVE PRINTED LABEL (BRADY OR EQUIVALENT).

7) ALL CIRCUITS SHALL BE ROUTED IN DEDICATED RACEWAY AND PULL BOXES UNLESS SPECIFICALLY NOTED OTHERWISE. CIRCUITS ARE NOT ALLOWED TO BE ROUTED IN A COMMON PULL BOX UNLESS APPROVED BY ENGINEER. DO NOT SHARE ANY NEUTRAL CONDUCTORS FOR DIFFERENT CIRCUITS.

8) ALL WORK REQUIRING THE OPENING OR INTERNAL INVESTIGATIONS OF ELECTRICAL EQUIPMENT IS CLASSIFIED AS WORK ON OR NEAR ENERGIZED EQUIPMENT AND ANY PERSON ASSOCIATED WITH THIS WORK MUST COMPLY WITH THE FACILITIES' ELECTRICAL SAFETY PROGRAM.

9) PROVIDE CONDUCTORS FOR LISTED APPLICATIONS AS FOLLOWS (FURNISHED BY OWNER):

   INTERIOR POWER AND LIGHTING CIRCUITS: COPPER, TYPE THHN, 600 VOLTS, 90 DEGREES C (194 DEGREES F), THERMOPLASTIC INSULATED CONDUCTOR.

   EXTERIOR POWER AND LIGHTING CIRCUITS: COPPER, TYPE THWN-2, 600 VOLTS, 90 DEGREES C (194 DEGREES F) ,THERMOPLASTIC INSULATED CONDUCTOR.

   SERVICE OR DISTRIBUTION FEEDERS CONCEALED IN CEILINGS, WALLS, PARTITIONS, AND CRAWLSPACES: COPPER, TYPE THHN OR THWN-2 (WET LOCATIONS), 600 VOLTS, 90 DEGREE C (194 DEGREE F), THERMOPLASTIC INSULATED CONDUCTOR.

   SERVICE OR DISTRIBUTION FEEDERS CONCEALED IN CONCRETE, BELOW SLABS-ON-GRADE, OR ANY UNDERGROUND INSTALLATION: COPPER, TYPE XHHW-2, 600 VOLTS, 90 DEGREE C (194 DEGREE F), THERMOSET INSULATED CONDUCTOR.

   LOW VOLTAGE AND LINE VOLTAGE CONDUCTORS SIZES NO. 16 AND 18 AWG (DRY LOCATION ONLY): COPPER TYPE TFFN, 600 VOLTS, 90 DEGREES C (194 DEGREES F), THERMOPLASTIC INSULATED BUILDING CONDUCTOR.

   MINIMUM CIRCUIT WIRE SIZE IS #12 AWG UNLESS NOTED OTHERWISE.

   USE SOLID CONDUCTOR FOR #10 AWG AND SMALLER CONDUCTORS, AND STRANDED FOR #8 AWG AND LARGER.

   ALL CONDUCTORS SHALL BE COPPER UNLESS OTHERWISE INDICATED.

   ALL CONDUCTORS SHALL BE PROVIDED WITH SOLID COLOR INSULATION THE ENTIRE LENGTH OF THE CONDUCTOR. TAPED ENDS ARE NOT ACCEPTABLE, UNLESS APPROVED BY ENGINEER.

10) ALL ABOVE GRADE EXTERIOR WIRING SHALL BE IN RIGID GALVANIZED CONDUIT. ALL BELOW GRADE EXTERIOR WIRING SHALL BE IN SCHEDULE 40 OR 80 PVC CONDUIT AS NOTED.

11) ALL INTERIOR WIRING SHALL BE IN CONDUIT PER REQUIREMENTS BELOW:

   * ABOVE GRADE, IN WALLS, ABOVE CEILINGS, SURFACE MOUNTED AND NOT EXPOSED TO WET OR DAMP LOCATIONS: EMT CONDUIT WITH COMPRESSION FITTINGS.

   * ABOVE GRADE, SURFACE MOUNTED, EXPOSED TO WET OR DAMP LOCATIONS: RIGID GALVANIZED STEEL, WITH THREADED FITTINGS, HUB FITTINGS, AND GASKETED ENCLOSURES.

   * BELOW GRADE: SCHEDULE 40 PVC CONDUIT. PROVIDE SCHEDULE 80 PVC LONG SWEEP ELBOWS ON UNDERGROUND MAIN FEEDERS TO EQUIPMENT CONNECTIONS.

12) ALL BELOW GRADE WIRING SHALL BE IN CONDUIT PER REQUIREMENTS BELOW:

   * SCHEDULE 40 PVC CONDUIT.

   * TURN-UPS SHALL BE SCHEDULE 80 PVC.

13) COORDINATE AIC RATINGS OF ALL ELECTRICAL EQUIPMENT WITH ELECTRIC UTILITY. PROVIDE PANELBOARDS, BREAKERS, DISCONNECT SWITCHES, ETC. AS REQUIRED PER UTILITY COMPANY.

14) PROVIDE ADEQUATELY SIZED PULL BOXES FOR CONDUIT RUNS WHERE REQUIRED PER NEC.

15) PROVIDE PERMANENTLY AFFIXED BLACK PLACARD WITH WHITE LETTERING INDICATING EQUIPMENT NAME AND PANELBOARD AND CIRCUIT BREAKER SERVING IT, ON ALL NEW:
   -ELECTRICAL EQUIPMENT.
   -PANELBOARDS.
   -DISCONNECT SWITCHES, ENCLOSED CIRCUIT BREAKERS.
   -LIGHTING CONTROL PANELS.
   -SWITCHES AND OTHER LIGHTING CONTROLS.

   LABELS SHALL BE ATTACHED USING A MECHANICAL FASTENER. ADHESIVE IS NOT ACCEPTABLE.

16) ALL EXTERIOR CONDUIT SUPPORTS SHALL BE GALVANIZED, OR STAINLESS STEEL.

17) CONTRACTOR SHALL VERIFY ALL FINAL FEEDER LENGTHS AND INCREASE WIRE SIZES AS REQUIRED TO MEET NEC MAXIMUM VOLTAGE DROP REQUIREMENTS. FEEDER VOLTAGE DROP NOT TO EXCEED 5% AND BRANCH CIRCUIT VOLTAGE DROP NOT TO EXCEED 3%.

18) LOCATION OF UTILITIES SHALL BE COMPLETED BY THE CONTRACTOR PRIOR TO TRENCHING. CONTRACTOR SHALL USE WATER VACUUM EXCAVATION OR HAND DIGGING WHEN CLOSER THAN 5' TO ANY UNDER GROUND UTILITY.

19) ALL MEDIUM VOLTAGE FEEDERS AND ANY 208 OR 480 VOLT FEEDERS OVER 100 AMPS, CONNECTED AS PART OF THIS PROJECT, SHALL BE RESISTANCE TESTED PRIOR TO ENERGIZING. TESTING METHOD SHALL NOT CAUSE DAMAGE OR PREMATURE FAILURE OF THE CABLE INSULATION. TEST SHALL BE COMPLETED PER ASTM D257 FOR FIELD WIRING. TEST CABLE PRIOR TO INSTALLATION AND AFTER INSTALLATION. SUBMIT PRE AND POST INSTALLATION TESTING REPORTS TO THE ENGINEER. TESTING RESULTS OF NEW CONDUCTORS OUTSIDE OF MANUFACTURER'S RECOMMENDED VALUES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. SUBMIT MANUFACTURER'S RECOMMENDED VALUES WITH SUBMITTED TESTING REPORTS. ALL TESTING SHALL BE COMPLETED BY CONTRACTOR.

20) ALL ABOVE GROUND CONDUIT REQUIRED TO BE IN RIGID GALVANIZED CONDUIT (GRC), WITH THREADED CONNECTIONS, SHALL BE PROVIDED WITH ADEQUATE NON-SEIZING SEALANT PRIOR TO MAKING THREADED CONNECTIONS. ALL GRC CONNECTIONS TO EXTERIOR JUNCTION BOXES, ENCLOSURES OR OTHER EQUIPMENT SHALL BE MADE WITH A WEATHER-PROOF CONDUIT HUB. PENETRATIONS SHALL BE MADE TO THE SIDE OR BOTTOM WHERE POSSIBLE, OR UNLESS SPECIFICALLY INDICATED OTHERWISE. CONDUITS WITHOUT HUBS WILL NEED TO BE REPLACED. ANY GRC CONDUIT CUT TO LENGTH AND THREADED IN THE FIELD, SHALL BE COATED WITH A GALVANIZING COMPOUND AND ALLOW TO CURE BEFORE INSTALLING. GRC CONDUITS SHOWING SIGNS OF CORROSION ON CUT THREADS WILL NEED TO BE REPLACED.

21) PROVIDE GALVANIZING SPRAY ON ALL CUT ENDS OF GALVANIZED UNISTRUT. ALL UNISTRUT ENDS TO BE PROVIDED WITH A RUBBER END CAP. BOLTS USED IN EQUIPMENT RACK ASSEMBLIES SHALL PROTRUDE A MINIMUM OF TWO (2) AND A MAXIMUM OF TEN (10) THREADS BEYOND THE FACE OF THE NUT.

22) ALL ELECTRICAL SYSTEMS (POWER, LIGHTING, GROUNDING, SECURITY, COMMUNICATIONS, ETC) SHALL BE INSTALLED IN CONDUIT.

23) REFER TO THE RESPONSIBILITY CHART ON SHEET E603 FOR INFORMATION REGARDING SCOPE OF WORK.

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MO COA 2002005563 - Curtis L. Brungardt, P.E. 2003016693

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STATE OF MISSOURI
CURTIS L. BRUNGARDT
9-12-2025
NUMBER PE-2003016693
PROFESSIONAL ENGINEER

REVISIONS NO.	DESCRIPTION	BY	DATE

DRAWING INFO.
FIELD BY:
DRAWN BY: AJS
CHECK BY: JGR
DATE: 09/12/25
FIELD BOOK:
JOB NUMBER: TAP-99001(443)

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ELECTRICAL GENERAL NOTES
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E001

N:\Projects\24-7733-0 City of Odessa - Street Power & Light\CAD\Plans for Mason St\E000\E001 ELECTRICAL SYMBOLS, NOTES, SPECIFICATIONS

ELECTRICAL GENERAL SYMBOLS

CU / X	EQUIPMENT DESIGNATION.
2 / E10	SECTION/ELEVATION REFERENCE NUMBER. SECTION/ELEVATION SHEET NUMBER.
A / E3.3	WIRING CONTINUATION REFERENCE NUMBER. WIRING CONTINUATION SHEET NUMBER.
	CONDUIT AND CIRCUITRY TO BE REMOVED.
	BRANCH CIRCUIT WIRING RUN IN CONCEALED CONDUIT WHERE POSSIBLE.
	BRANCH CIRCUIT CONDUCTORS: GROUND, NEUTRAL, HOT (OR SWITCHED HOT).
3 / 9LD	SINGLE BRANCH CIRCUIT HOME RUN IN SINGLE CONDUIT WITH PANELBOARD DESIGNATION AND CIRCUIT BREAKER NUMBER. #12 AWG UNLESS OTHERWISE NOTED.
	PARTIAL BRANCH CIRCUIT.
5 3 / 1 9LD	MULTIPLE BRANCH CIRCUIT HOME RUNS IN SINGLE CONDUIT WITH PANELBOARD DESIGNATION AND CIRCUIT BREAKER NUMBER. NUMBER OF ARROW HEADS EQUALS NUMBER OF HOMERUNS IN CONDUIT.
	BRANCH CIRCUIT UNDERFLOOR/BELOW GRADE CONDUIT.
	LOW VOLTAGE CABLING CONCEALED IN CONDUIT.
E	ELECTRICAL SITE UTILITY (CONDUIT AND WIRING).

ELECTRICAL LIGHTING SYMBOLS

	POLE, WITH POLE MOUNTED LIGHT FIXTURE.
	LIGHT BOLLARD
PC	PHOTOCELL.
$	LIGHT SWITCH, TOGGLE TYPE, 20 AMP, 120-277 VOLT AC.
$3	3-WAY LIGHT SWITCH, TOGGLE TYPE, 20 AMP, 120-277 VOLT AC.
$4	4-WAY LIGHT SWITCH, TOGGLE TYPE, 20 AMP, 120-277 VOLT AC.
$WP	WEATHERPROOF LIGHT SWITCH, 20AMPS, 120-277 VOLT AC.

ELECTRICAL POWER SYMBOLS

	PANELBOARD.
	CONTROL PANEL.
	UTILITY METER ENCLOSURE.
	GROUND ROD/ELECTRODE.
	NON-FUSED DISCONNECT SWITCH.
F	FUSED DISCONNECT SWITCH.
M	MANUAL TRANSFER SWITCH.
CB	CIRCUIT BREAKER STYLE DISCONNECT SWITCH.
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH.
	DEDICATED SIMPLEX RECEPTACLE.
	DUPLEX CONVENIENCE RECEPTACLE.
C	DUPLEX RECEPTACLE MOUNTED AT THE CEILING.
WP	WEATHER PROOF, GROUNDING TYPE DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20 AMP AC, 125 VOLT, NEMA 20-R, HEAVY DUTY.
GFCI	GROUNDING TYPE DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20 AMP, 120 VOLT AC, NEMA 5-20R, HEAVY DUTY.
WG	WEATHERPROOF, GROUNDING TYPE DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20 AMP, 120 VOLT AC, NEMA 5-20 R, HEAVY DUTY.
A	DUPLEX RECEPTACLE MOUNTED ABOVE THE COUNTER BACK SPLASH.
AG	GROUND FAULT INTERRUPTER TYPE RECEPTACLE, MOUNTED ABOVE THE COUNTER BACK SPLASH.
X	SPECIAL PURPOSE RECEPTACLE - WALL MOUNTED. SUPERSCRIPT LETTER INDICATES TYPE.
	FOURPLEX CONVENIENCE RECEPTACLE.
P	EMERGENCY STOP PUSH-BUTTON.
	MOTOR.
	MOTOR STARTER.
	TRANSFORMER.
	GROUNDING ELECTRODE.
	GROUNDING ELECTRODE TEST WELL.

ELECTRICAL NOTATIONS

A	AMPS.
ADA	AMERICANS WITH DISABILITIES ACT.
AFF	ABOVE FINISHED FLOOR.
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE.
BAS	BUILDING AUTOMATION SYSTEM.
CKT	CIRCUIT.
EO	ELECTRONICALLY OPERATED.
ETR	EXISTING TO REMAIN
F/UTP	FOILED UNSHIELDED TWISTED PAIR.
GC	GENERAL CONTRACTOR.
ICC	INDEPENDENT CONTROLS CONTRACTOR.
I/C	INDICATES SINGLE CONDUCTOR CABLE.
IDC	INDICATING DEVICE CIRCUIT.
J	JUNCTION BOX.
KK	KIRK KEY INTERLOCK.
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT CIRCUIT BREAKER TRIP SETTINGS.
LSIGM	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT CIRCUIT WITH METERING BREAKER TRIP SETTINGS.
NEC	NATIONAL ELECTRIC CODE (NFPA 70).
NECA	NATIONAL ELECTRIC CONTRACTORS ASSOCIATION.
NEMA	NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION.
NETA	NATIONAL ELECTRIC TESTING ASSOCIATION.
NFPA	NATIONAL FIRE PROTECTION AGENCY.
NICET	NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGY.
NO	NORMALLY OPEN.
NC	NORMALLY CLOSED.
NL	NIGHT LIGHT.
MA	MILLIAMPS.
MAX	MAXIMUM.
MIN	MINIMUM.
OC	ON CENTER.
PC	PULL COUNT.
REV	REVISION.
SBTC	SOLID BARE TINNED COPPER.
TSP	TWISTED SHIELDED PAIR.
TYP	TYPICAL.
UL	UNDERWRITERS LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE.
UTP	UNSHIELDED TWISTED PAIR
V	VOLTS.
VAC	VOLTS ALTERNATING CURRENT.
VDC	VOLTS DIRECT CURRENT.
"AG"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES DEVICE BOTTOM TO BE MOUNTED 4" ABOVE COUNTER BACKSPLASH AND GROUND FAULT RECEPTACLE.
"GFCI"	THIS LETTER ADJACENT TO ANY SYMBOL INDICATES GROUND FAULT INTERRUPTER.
"WP"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES WEATHER-PROOF DEVICE/ENCLOSURE.
"WG"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES WEATHER-PROOF ENCLOSURE WITH GROUND FAULT INTERRUPTER.
+60"	DIMENSIONS ADJACENT TO ANY SYMBOL INDICATES MOUNTING HEIGHT TO CENTERLINE OF DEVICE.

GENERAL NOTES:

1) THESE PLANS ARE SCHEMATIC IN NATURE AND ARE INTENDED TO DEPICT GENERAL SCOPE OF WORK. ALL WORK SHALL BE PERFORMED PER ALL LOCAL AND STATE CODES AND REGULATIONS.

2) COORDINATE ALL WORK WITH OWNER, ENGINEER, EQUIPMENT MANUFACTURERS, AND ALL OTHER TRADES.

3) COORDINATE ALL CONNECTION SIZES AND REQUIREMENTS WITH EQUIPMENT MANUFACTURER. ALL PIPING SHALL BE SIZED AND INSTALLED PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.

4) DRAWINGS ARE DESIGNED FOR THE MANUFACTURER'S MATERIALS, EQUIPMENT, OR SERVICES NAMED ON PLANS AND ANY CHANGES AND THEIR ASSOCIATED COSTS REQUIRED TO ACCOMMODATE OTHER APPROVED EQUIVALENT MATERIAL OR EQUIPMENT AS WELL AS SPACE REQUIREMENTS FOR THE OTHER APPROVED EQUIVALENT MUST BE ASSUMED BY THE CONTRACTOR IN THEIR BID.

5) INSTALL ALL EQUIPMENT WHILE MAINTAINING ALL REQUIRED CLEARANCES PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND PER LOCAL CODES.

6) ALL EXTERIOR PENETRATIONS SHALL BE SEALED WEATHER/WATER TIGHT.

7) ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY APPROVED BY THE AUTHORITY HAVING JURISDICTION.

8) THE CONTRACTOR SHALL STORE AND PROTECT FROM DAMAGE ALL EQUIPMENT AND MATERIALS AFTER DELIVERY TO THE JOB SITE. COVER WITH WATERPROOF, TEAR-RESISTANT, HEAVY TARP OR POLYETHYLENE PLASTIC AS REQUIRED TO PROTECT FROM PLASTER, DIRT, PAINT, WATER, OR PHYSICAL DAMAGE.

9) ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS INCLUDING THE CURRENT RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION, MECHANICAL CODE, OSHA, AND ALL STATE AND LOCAL LAWS, CODES, AND ORDINANCES.

10) ALL FIXTURES, APPLIANCES, EQUIPMENT, AND MATERIALS WHICH ARE SUBJECT TO UNDERWRITERS LABORATORY TESTS SHALL BEAR SUCH APPROVAL.

11) THE DRAWINGS, SPECIFICATIONS, REFERENCED STANDARDS, ETC. ARE COMPLIMENTARY OF ONE ANOTHER. IN THE EVENT OF CONFLICT BETWEEN ANY PORTION OF THESE DOCUMENTS, THE ENGINEER SHALL BE CONTACTED FOR FORMAL INTERPRETATION OF THE REQUIREMENTS. THE CONTRACTOR SHALL BE DEEMED TO HAVE PROVIDED THE MOST DETAILED AND EXPENSIVE INTERPRETATION OF THE REQUIREMENT IN THE BID. ANY WORK INSTALLED IN CONFLICT WITH THE ENGINEER INTERPRETATION SHALL BE CORRECTED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND AT NO EXPENSE TO THE OWNER.

12) ALL WALL PENETRATIONS AND/OR FLAWS WITHIN WALLS/FLOORS/CEILINGS RESULTING FROM REMOVAL OF EQUIPMENT OR PIPING SHALL BE PATCHED AND PAINTED WITH LIKE MATERIAL MATCHING ADJACENT SURFACE.

13) CONTRACTOR SHALL PROVIDE (1) ELECTRONIC COPY OF SUBMITTALS FOR ALL EQUIPMENT TO THE ENGINEER CLEARLY DEPICTING EQUIPMENT SELECTIONS AND DEVICE SELECTIONS. PROVIDE FINAL RED LINE AS-BUILT DRAWINGS TO ENGINEER.

14) ALL WORK REQUIRING THE OPENING OR INVESTIGATION OF ELECTRICAL OR MECHANICAL EQUIPMENT IS CLASSIFIED AS WORK ON OR NEAR ENERGIZED EQUIPMENT AND ANY PERSON ASSOCIATED WITH THIS WORK MUST COMPLY WITH THE FACILITIES' ELECTRICAL SAFETY PROGRAM.

15) ALL CONDUIT SHALL BE SEALED WHEN MAKING CONNECTIONS TO JUNCTION BOXES, DISCONNECTS, PANELS, ETC. FOR BOTH INTERIOR AND EXTERIOR WORK.

SYMBOLS/NOTATIONS GENERAL NOTES:

1) THE SYMBOLS/NOTATIONS SHOWN ON THIS SHEET ARE A COMPLETE LIST OF SYMBOLS/NOTATIONS USED BY InSite Group, Inc. AND NOT ALL SYMBOLS/NOTATIONS MAY BE USED ON THIS PROJECT.

2) ALL ITEMS SHOWN DASHED ON WIRING DIAGRAMS OR RISER DIAGRAMS ARE LOW-VOLTAGE WIRING, CONTROL WIRING, OR POSSIBLY FUTURE ITEMS UNLESS NOTED OTHERWISE. REFER TO THE NOTES ON THOSE PLANS FOR ADDITIONAL INFORMATION.

ELECTRICAL GENERAL NOTES:

1) COORDINATE POWER REQUIREMENTS AND FINAL LOCATIONS OF ALL EQUIPMENT, DEVICES, ETC. WITH FINAL EQUIPMENT SELECTION AND INSTALL ALL NECESSARY DEVICES ALLOWING FOR END TERMINATIONS/CONNECTIONS.

2) TYPE WRITTEN PANELBOARD REGISTRIES SHALL BE PROVIDED ON INTERIOR DOOR OF EACH PANELBOARD AND SHALL BE PLACED IN PLASTIC COVER. UPDATE ALL PANELBOARD SCHEDULES AT JOB COMPLETION. PROVIDE NEW TYPE WRITTEN SCHEDULES IN THE PANELBOARD INTERIOR COVER. MODIFIED SCHEDULES ARE NOT ACCEPTABLE.

3) FURNISH, INSTALL, AND CONNECT ALL WIRE, AIRWAY, CONDUIT, CONNECTORS, OUTLETS, ETC. NECESSARY TO ACHIEVE A COMPLETE ELECTRICAL INSTALLATION ALTHOUGH SUCH WORK IS NOT SPECIFICALLY SHOWN OR SPECIFIED. EQUIPMENT SHALL BE INSTALLED PER CODE REQUIREMENTS PROVIDING A SOUND, SECURE, AND COMPLETE INSTALLATION.

4) ALL PANELBOARDS AND SWITCHBOARDS SHALL BE PROVIDED WITH COPPER BUSSING AND SHALL HAVE A HINGED DOOR.

5) PROVIDE PULL BOXES FOR CONDUIT AND WIRE RUNS AS REQUIRED PER THE NEC.

6) LABEL ALL JUNCTION BOXES WITH CIRCUIT NUMBER(S) CONTAINED IN THE JUNCTION BOX AND EQUIPMENT SERVED BY CIRCUITRY IN THE JUNCTION BOX WITH SELF ADHESIVE PRINTED LABEL (BRADY OR EQUIVALENT).

7) ALL CIRCUITS SHALL BE ROUTED IN DEDICATED RACEWAY AND PULL BOXES UNLESS SPECIFICALLY NOTED OTHERWISE. CIRCUITS ARE NOT ALLOWED TO BE ROUTED IN A COMMON PULL BOX UNLESS APPROVED BY ENGINEER. DO NOT SHARE ANY NEUTRAL CONDUCTORS FOR DIFFERENT CIRCUITS.

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   USE SOLID CONDUCTOR FOR #10 AWG AND SMALLER CONDUCTORS, AND STRANDED FOR #8 AWG AND LARGER.

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   * ABOVE GRADE, SURFACE MOUNTED, EXPOSED TO WET OR DAMP LOCATIONS: RIGID GALVANIZED STEEL, WITH THREADED FITTINGS, HUB FITTINGS, AND GASKETED ENCLOSURES.

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MEP ENGINEER:

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ISG PROJECT NUMBER: 24-7733-0
MO CDA 2002005563 - Curtis L. Brungardt, P.E. 2003016693

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ANDERSON ENGINEERING COA# 000052

STATE OF MISSOURI
CURTIS L. BRUNGARDT
9-12-2025
NUMBER PE-2003016693
PROFESSIONAL ENGINEER

REVISIONS			
NO.	DESCRIPTION	BY	DATE

DRAWING INFO.		
FIELD BY:	A.J.S	
DRAWN BY:	JGR	
CHECK BY:		
DATE:	09/12/25	
FIELD BOOK:	TAP-99001(443)	
JOB NUMBER:		

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ELECTRICAL GENERAL NOTES
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E001

N:\Projects\24-7733-0 City of Odessa - Street Power & Light\ADS\Plans for Mason St\250909\250911 ELECTRICAL SYMBOLS, NOTES, SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

(REFER TO EQUIPMENT RESPONSIBILITY SCHEDULE FOR ADDITIONAL INFORMATION)

265613 - LIGHTING POLES AND STANDARDS

(POLES, LIGHTS, RECEPTACLES INSTALLED BY OWNER. CONCRETE FOUNDATIONS INSTALLED BY CONTRACTOR.)

265613.01 - SCOPE OF WORK

OWNER PROVIDED LIGHT POLES, ANCHORING HARDWARE, HANDHOLES, AND ALL OTHER DEVICES OR COMPONENTS SHOWN ON THE DRAWINGS.

265613.02 - PRODUCT DATA

FOR EACH POLE, ACCESSORY, AND LUMINAIRE-SUPPORTING AND LOWERING DEVICE, ARRANGED AS INDICATED.

1. INCLUDE DATA ON CONSTRUCTION DETAILS, PROFILES, EPA, CABLE ENTRANCES, MATERIALS, DIMENSIONS, WEIGHT, RATED DESIGN LOAD, AND ULTIMATE STRENGTH OF INDIVIDUAL COMPONENTS.
2. INCLUDE FINISHES FOR LIGHTING POLES AND LUMINAIRE-SUPPORTING DEVICES.
3. ANCHOR BOLTS.

265613.05 - WIND LOADS

PRESSURE OF WIND ON POLE AND LUMINAIRE, CALCULATED AND APPLIED ACCORDING TO AASHTO LTS-6-M.

BASIC WIND SPEED FOR CALCULATING WIND LOAD FOR POLES EXCEEDING 50 FEET IN HEIGHT IS 100 MPH. ASSUME WIND IMPORTANCE FACTOR OF 1.0 MINIMUM DESIGN LIFE SHALL BE 50 YEARS. ASSUME A VELOCITY CONVERSION FACTOR: 1.0.

265613.06 - POLES

OWNER PROVIDED TAMPERED POLE AS DEPICTED IN THE DRAWINGS.

OWNER PROVIDED MOUNTING PROVISIONS, BUTT FLANGE FOR BOLTED MOUNTING ON FOUNDATION OR BREAKAWAY SUPPORT.

OWNER PROVIDED LIGHT POLE ARMS, FLAG POLE HOLDER, WREATH HOLDER, AND RECEPTACLE DEVICES AS SHOWN ON THE DRAWINGS. BRACKETS FOR LUMINARIES SHALL CANTILEVER WITH UNDERBRACING.

POLE-TOP TENONS: FABRICATED TO SUPPORT LUMINAIRE OR LUMINARIES AND BRACKETS INDICATED, AND SECURELY FASTENED TO POLE TOP.

THE LIGHTING POLES AT THE INTERSECTION (POLE TYPES A1 AND A2) SHALL BE DESIGNED BY THE MANUFACTURER WITH EYE-BOLTS NEAR THE TOP OF THE POLE. THOSE EYE-BOLTS AND THE POLES SHALL BE STRUCTURALLY DESIGNED BY THE MANUFACTURER FOR THE INSTALLATION OF CABLING TO BE ROUTED DIAGONALLY ACROSS THE INTERSECTION AT 2ND STREET AND MASON. WHERE THOSE CABLES INTERSECT, A 400LB HOLIDAY ORNAMENT WILL BE SUPPORTED IN THE MIDDLE. IN ADDITION TO THE WEIGHT OF THE ORNAMENT, THE POLE SHALL BE ABLE TO SUPPORT WIND LOAD ON THE POLE AND CABLE, INCLUDING SNOW/ICE LOAD ON THE ORNAMENT, CABLE, AND THE POLE.

THE LIGHTING POLES ALONG 2ND STREET AND MASON STREET (POLE TYPES A3) SHALL BE DESIGNED BY THE MANUFACTURER WITH EYE-BOLTS NEAR THE TOP OF THE POLE. THOSE EYE-BOLTS AND THE POLES SHALL BE STRUCTURALLY DESIGNED BY THE MANUFACTURER FOR THE INSTALLATION OF CABLING TO BE ROUTED PERPENDICULAR ACROSS THE ROAD. ALONG THE PATH OF THE CABLE 100LBS OF HOLIDAY DECORATING SHALL BE INSTALLED. IN ADDITION TO THE WEIGHT OF THE DECORATIONS, THE POLE SHALL BE ABLE TO SUPPORT WIND LOAD ON THE POLE AND CABLE, INCLUDING SNOW/ICE LOAD ON THE DECORATIONS, CABLE, AND THE POLE.

GROUNDING AND BONDING LUGS SHALL BE BOLTED WITH 1/2-INCH THREADED LUGS.

ALL FASTENERS SHALL BE STAINLESS STEEL, SIZE AND TYPE AS DETERMINED BY MANUFACTURER. CORROSION-RESISTANT ITEMS COMPATIBLE WITH SUPPORT COMPONENTS.

OWNER PROVIDED ANCHOR BOLTS, LEVELING NUTS, BOLT CAPS, AND WASHERS. HOT-DIP GALVANIZED AFTER FABRICATION UNLESS OTHERWISE INDICATED. (INSTALLED BY CONTRACTOR)

OWNER PROVIDED OVAL SHAPED HANDHOLE, WITH MINIMUM CLEAR OPENING OF 5 INCHES BY 7 INCHES, WITH COVER SECURED BY STAINLESS-STEEL TAMPER RESISTANT SCREWS.

OWNER PROVIDED POLES WITH VIBRATION AND HARMONIC DAMPENING WITHIN THE POLE.

265613.08- POLE INSTALLATION

ALIGN POLE FOUNDATIONS AND POLES FOR OPTIMUM DIRECTIONAL ALIGNMENT OF LUMINARIES AND THEIR MOUNTING PROVISIONS ON THE POLE.

CONCRETE POLE FOUNDATIONS: SET ANCHOR BOLTS ACCORDING TO ANCHOR-BOLT TEMPLATES FURNISHED BY POLE MANUFACTURER

RAISE AND SET POLE USING WEB FABRIC SLINGS (NOT CHAIN OR CABLE) AT LOCATIONS INDICATED BY MANUFACTURER. (BY OWNER)

265619 - LED EXTERIOR LIGHTING

(POLES, LIGHTS, RECEPTACLES INSTALLED BY OWNER. CONCRETE FOUNDATIONS INSTALLED BY CONTRACTOR.)

265619.01 - SCOPE OF WORK

OWNER PROVIDED LIGHTING FOR POLES AND BOLLARDS ALONG THE STREET AS SHOWN ON PLANS.

265619.04 - PRODUCTS

ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.

NRTL COMPLIANCE: LUMINARIES SHALL BE LISTED AND LABELED FOR INDICATED CLASS AND DIVISION OF HAZARD BY AN NRTL.

ALL COMPONENTS SHALL BE UL COMPLIANT.

FIXTURES SHALL HAVE MINIMUM LIFE OF 50,000 HOURS.

INTERNAL DRIVERS FOR ALL LED LAMPS.

IN-LINE FUSING IN THE PRIMARY FOR EACH LUMINAIRE.

LAMPS RATED FOR OUTDOOR USE.

LUMINAIRE-MOUNTED PHOTOELECTRIC SHALL BE FACTORY MOUNTED, SINGLE THROW, DESIGNED TO FAIL IN THE ON POSITION, AND FACTORY SET TO TURN LIGHT UNIT ON AT 1.5 TO 3 FC AND OFF AT 4.5 TO 10 FC WITH 15-SECOND MINIMUM TIME DELAY. RELAY SHALL HAVE DIRECTIONAL LENS IN FRONT OF PHOTOCELL TO PREVENT ARTIFICIAL LIGHT SOURCES FROM CAUSING FALSE TURN OFF.

LUMINAIRE-MOUNTING HEIGHT: AS INDICATED, WITH LIGHT DISTRIBUTION AS INDICATED IN THE LIGHT FIXTURE SCHEDULES.

ALL METAL PARTS SHALL BE FREE OF BURRS AND SHARP CORNERS AND EDGES.

DOORS, FRAMES, AND OTHER INTERNAL ACCESS: SMOOTH OPERATING, FREE OF LIGHT LEAKAGE UNDER OPERATING CONDITIONS, AND DESIGNED TO PERMIT RELAMPING WITHOUT USE OF TOOLS. DESIGNED TO PREVENT DOORS, FRAMES, LENSES, DIFFUSERS, AND OTHER COMPONENTS FROM FALLING ACCIDENTALLY DURING RELAMPING AND WHEN SECURED IN OPERATING POSITION. DOORS SHALL BE REMOVABLE FOR CLEANING OR REPLACING LENSES.

ACRYLIC DIFFUSERS: 100 PERCENT VIRGIN ACRYLIC PLASTIC, WITH HIGH RESISTANCE TO YELLOWING AND OTHER CHANGES DUE TO AGING, EXPOSURE TO HEAT, AND UV RADIATION.

LENS THICKNESS AT LEAST 0.125 INCH MINIMUM UNLESS OTHERWISE INDICATED.

LENS AND REFRACTOR GASKETS: USE HEAT AND AGING-RESISTANT RESILIENT GASKETS TO SEAL AND CUSHION LENSES AND REFRACTORS IN LUMINAIRE DOOR.

HOUSINGS SHALL BE RIGIDLY FORMED, WEATHER AND LIGHT-TIGHT ENCLOSURE THAT WILL NOT WARP, SAG, OR DEFORM IN USE.

256619.05 - INSTALLATIONS

USE FASTENING METHODS AND MATERIALS SELECTED TO RESIST SEISMIC FORCES DEFINED FOR THE APPLICATION AND APPROVED BY MANUFACTURER.

PROPERLY FASTEN LUMINAIRE TO STRUCTURAL SUPPORT.

SUPPORTS SHALL BE SIZED AND RATED FOR LUMINAIRE WEIGHT. SUPPORTS SHALL BE SUITABLE TO MAINTAIN LUMINAIRE POSITION AFTER CLEANING AND RELAMPING. SUPPORT LUMINARIES WITHOUT CAUSING DEFLECTION OF FINISHED SURFACE. LUMINAIRE-MOUNTING DEVICES SHALL BE CAPABLE OF SUPPORTING A HORIZONTAL FORCE OF 100 PERCENT OF LUMINAIRE WEIGHT AND A VERTICAL FORCE OF 400 PERCENT OF LUMINAIRE WEIGHT.

INSTALL CABLES IN RACEWAYS. CONCEAL RACEWAYS AND CABLES.

INSTALL LUMINAIRE LEVEL, PLUMB, AND SQUARE WITH FINISHED GRADE UNLESS OTHERWISE INDICATED.

GENERAL SPECIFICATION NOTES:

1. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE SPECIFICATIONS SHALL BE COORDINATED WITH THE ENGINEER. CONTRACTOR SHALL BID THE MOST EXPENSIVE OPTION WHERE DISCREPANCIES OCCUR.

2. CONTRACTOR SHALL OBTAIN PRIOR ENGINEER APPROVAL ON ALL ITEMS BEING BID AS AN EQUAL. CONTRACTOR SHALL NOT ASSUME A PRODUCT IS AN EQUAL WITHOUT PRIOR APPROVAL BEFORE BIDDING. ITEMS SUBMITTED AS AN EQUAL DURING THE SHOP DRAWING PROCESS, WITHOUT PRIOR APPROVAL MAY OR MAY NOT BE ACCEPTED. CONTRACTOR ASSUMES RESPONSIBILITY FOR ANY COST DIFFERENCES FROM NOT GAINING PRIOR APPROVAL.

3. WHERE PRODUCTS ARE NOT CLEARLY IDENTIFIED FOR SPECIFIC EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SUBMIT A REQUEST FOR INFORMATION DURING THE BIDDING PROCESS. CONTRACTOR SHALL NOT ASSUME PRODUCTS.

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6-12-2025
NUMBER PE-2003016693
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DRAWING INFO.
FIELD BY:
DRAWN BY: AJS
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DATE: 06/12/25
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	DATE	BY

REVISIONS

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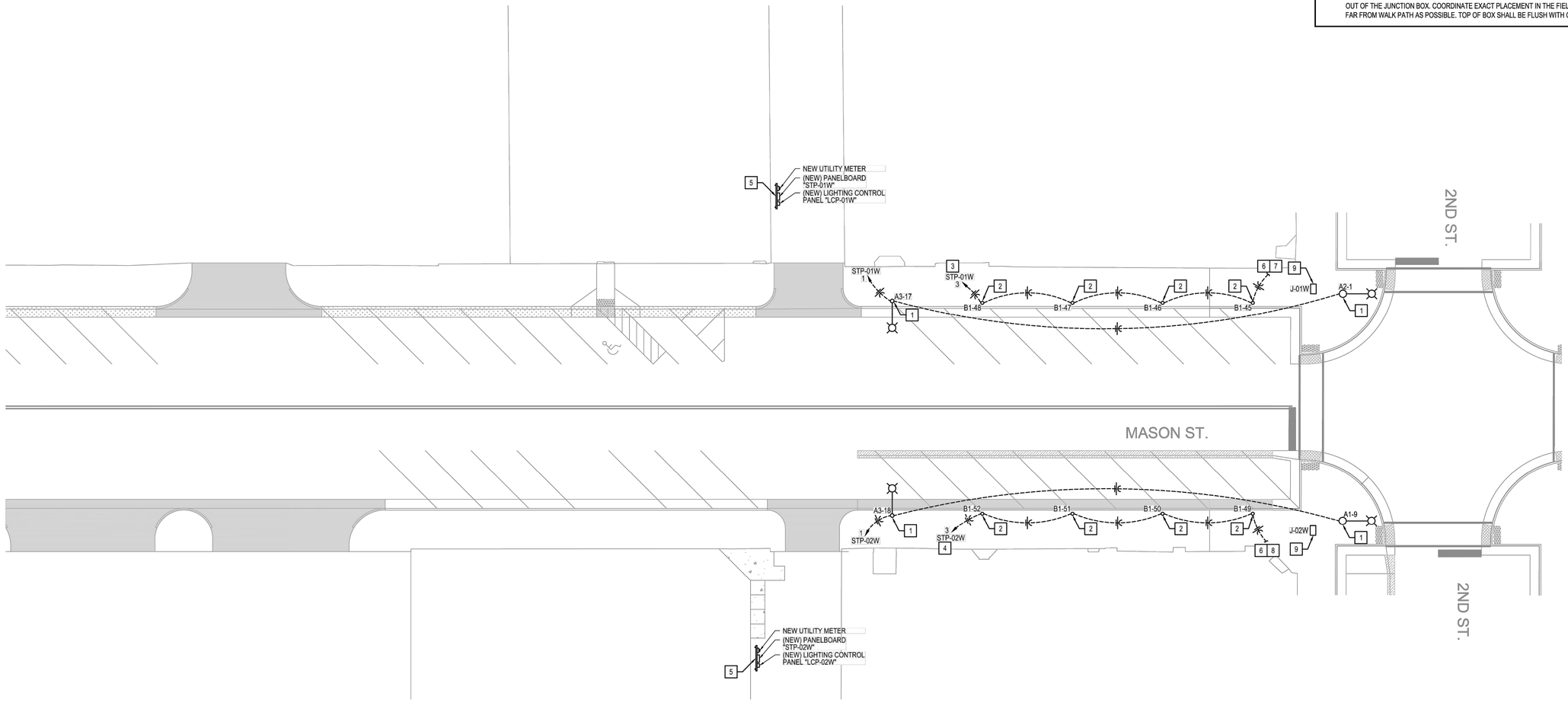
ELECTRICAL SPECIFICATIONS
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E003

N:\projects\24-7733-0 City of Odessa - Street Power & Light\ASP\Plans for Mason St\250505\E003 ELECTRICAL SYMBOLS, NOTES, SPECIFICATIONS

KEYED NOTES:

1. OWNER TO INSTALL NEW OWNER PROVIDED POLE MOUNTED LUMINAIRE. FIXTURE TO BE PROVIDED WITH INTEGRAL PHOTO CELL SENSOR. REFER TO CIVIL PLANS FOR EXACT POLE LOCATION. REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
2. OWNER TO INSTALL NEW OWNER PROVIDED LIGHTING BOLLARD. REFER TO CIVIL PLANS FOR EXACT LOCATION OF BOLLARD. REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
3. CIRCUIT TO BE ROUTED THROUGH LIGHTING CONTROL PANEL "LCP-01W". REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
4. CIRCUIT TO BE ROUTED THROUGH LIGHTING CONTROL PANEL "LCP-02W". REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
5. NEW ELECTRICAL EQUIPMENT RACK. REFER TO SHEET E402 FOR EXACT LOCATION. REFER TO ELECTRICAL DETAILS, SCHEDULES AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
6. CIRCUIT IS CONTINUED ON TO BOLLARDS LOCATED ON SECOND STREET. REFER TO THE SECOND STREET SITE PLANS AND PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.
7. ROUTE CIRCUIT THROUGH IN-GRADE JUNCTION BOX "J-01W".
8. ROUTE CIRCUIT THROUGH IN-GRADE JUNCTION BOX "J-02W".
9. PROVIDE NEW FIBERGLASS IN-GRADE JUNCTION BOX OF ANSI TIER 15. PROVIDE DRIVE-OVER RATED COVER. PROVIDE 6" OF GRAVEL IN BOTTOM OF BOX. PROVIDE LABEL THAT INDICATES "ELECTRICAL". PROVIDE SIZE AS REQUIRED FOR ALL CONDUITS IN AND OUT OF THE JUNCTION BOX. COORDINATE EXACT PLACEMENT IN THE FIELD. INSTALL AS FAR FROM WALK PATH AS POSSIBLE. TOP OF BOX SHALL BE FLUSH WITH CONCRETE.



1 MASON ST. ELECTRICAL LIGHTING PLAN - NEW WORK

SCALE: 1/16" = 1'-0"

NORTH

MEP ENGINEER:

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DATE:	09/12/25
FIELD BOOK:	
JOB NUMBER:	TAP-9901(443)

NO.	DESCRIPTION	BY	DATE

REVISIONS

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LIGHTING PLAN
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
EL101

N:\projects\24-7733-0 City of Odessa - Street Power & Light\CAD\Plans for Mason St\250912\EL101 Mason St. ELECTRICAL LIGHTING NEW PLAN

KEYED NOTES:

1. OWNER TO INSTALL NEW OWNER PROVIDED POLE MOUNTED LUMINAIRE. FIXTURE TO BE PROVIDED WITH INTEGRAL PHOTO CELL SENSOR. REFER TO CIVIL PLANS FOR EXACT POLE LOCATION. REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
2. OWNER TO INSTALL NEW OWNER PROVIDED LIGHTING BOLLARD. REFER TO CIVIL PLANS FOR EXACT LOCATION OF BOLLARD. REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
3. CIRCUIT TO BE ROUTED THROUGH LIGHTING CONTROL PANEL "LCP-03E". REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
4. CIRCUIT TO BE ROUTED THROUGH LIGHTING CONTROL PANEL "LCP-04E". REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
5. NEW ELECTRICAL EQUIPMENT RACK. REFER TO SHEET E402 FOR EXACT LOCATION. REFER TO ELECTRICAL DETAILS, SCHEDULES AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
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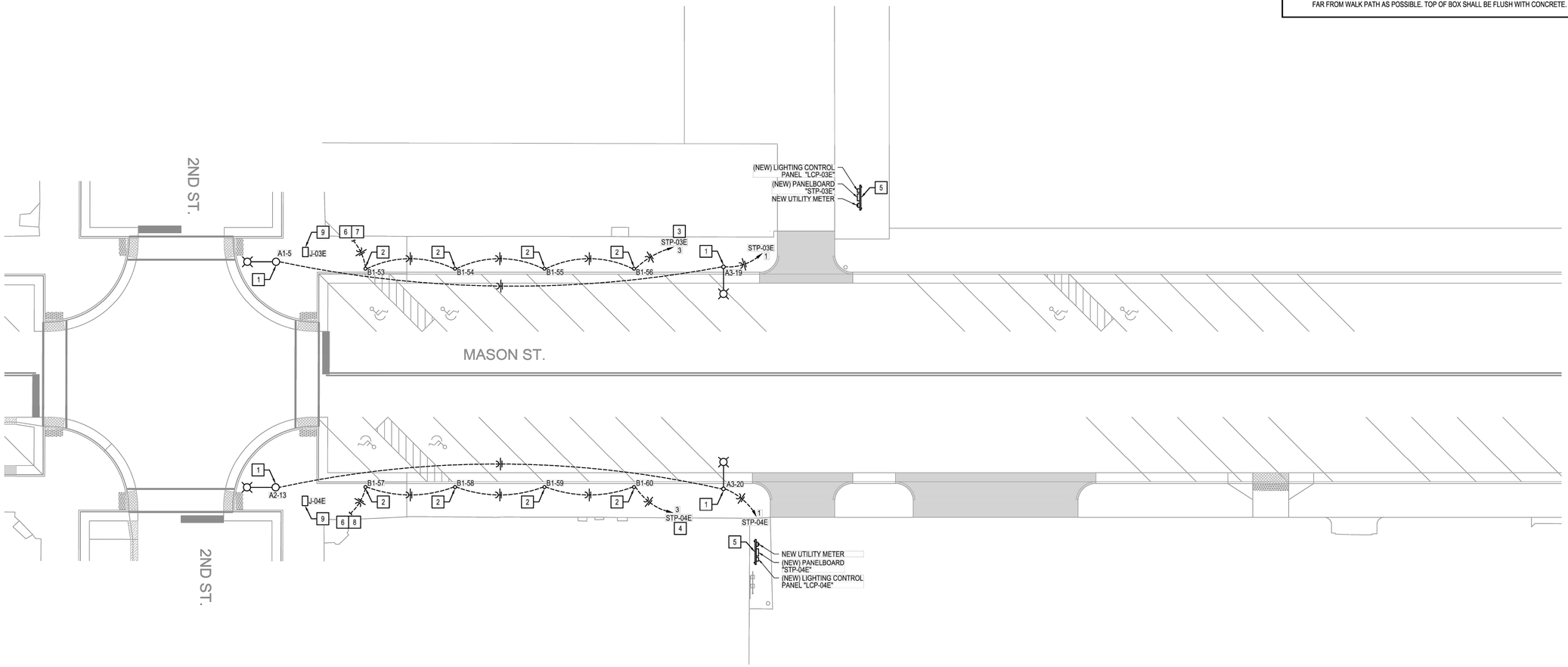

1 MASON ST. ELECTRICAL LIGHTING PLAN - NEW WORK

SCALE: 1/16" = 1'-0"

NORTH

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DATE: 09/12/25
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
REVISIONS			

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LIGHTING PLAN
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
EL102

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MO COA 2002005563 • Curtis L. Brungardt, P.E. 2003016693

N:\Projects\24-7733-0 City of Odessa - Street Power & Light\ACAD\Plans for Mason St\250520 EL102 Mason St. ELECTRICAL LIGHTING KEYPLAN

KEYED NOTES:

1. OWNER TO INSTALL NEW OWNER PROVIDED POLE MOUNTED LUMINAIRE. FIXTURE TO BE PROVIDED WITH INTEGRAL ELECTRICAL RECEPTACLES. COORDINATE WITH ELECTRICAL SCHEDULES WHERE WIRE SIZE IS TOO LARGE TO LAND ON RECEPTACLES PROVIDE WITH A POLARIS CONNECTOR TO REDUCE TO ACCEPTABLE CONDUCTOR SIZE. REFER TO CIVIL PLANS FOR EXACT POLE LOCATION. REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
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3. HOLIDAY LIGHTING RECEPTACLE POWER TO BE ROUTED THROUGH LIGHTING CONTROL PANEL "LCP-01W". REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
4. HOLIDAY LIGHTING RECEPTACLE POWER TO BE ROUTED THROUGH LIGHTING CONTROL PANEL "LCP-02W". REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
5. NEW ELECTRICAL EQUIPMENT RACK. REFER TO SHEET E402 FOR EXACT LOCATION. REFER TO ELECTRICAL DETAILS, SCHEDULES AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
6. CIRCUIT IS CONTINUED ON TO BOLLARDS LOCATED ON SECOND STREET. REFER TO THE SECOND STREET SITE PLANS AND PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.
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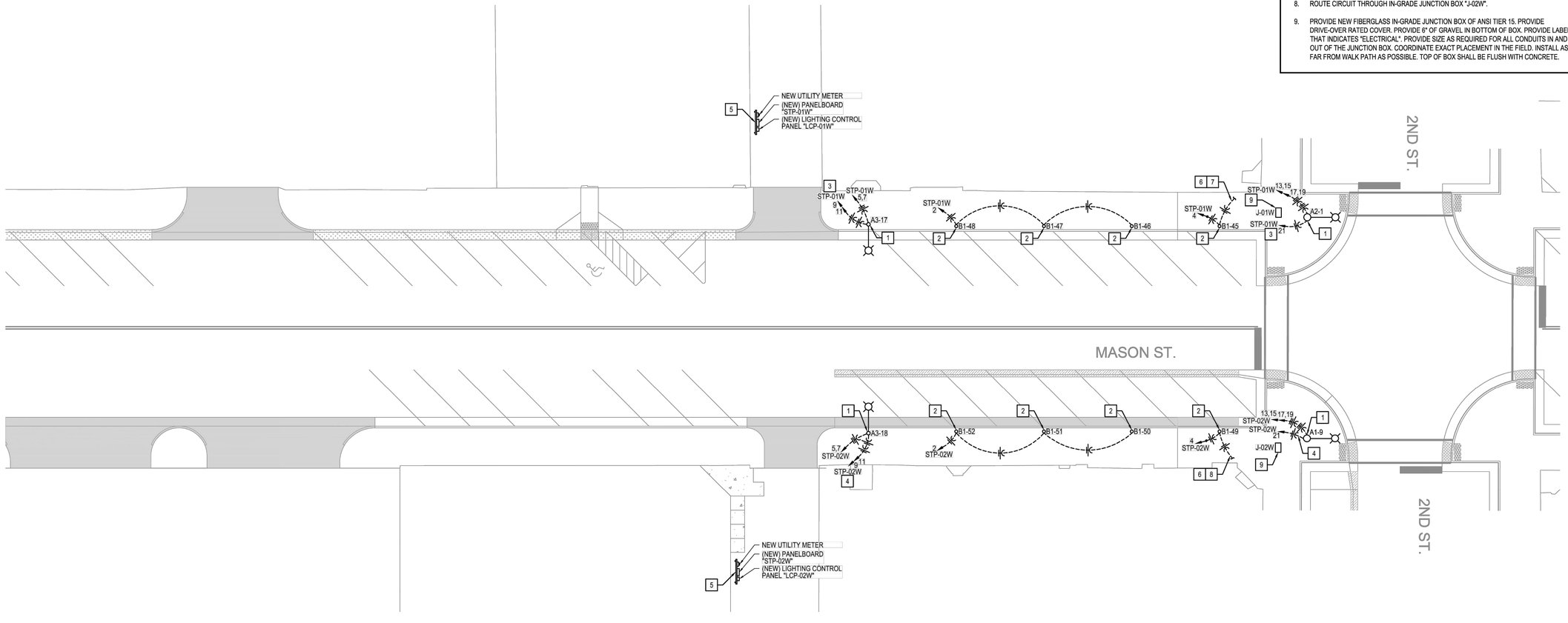

1 MASON ST. ELECTRICAL POWER PLAN - NEW WORK

SCALE: 1/16" = 1'-0"

NORTH

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CURTIS L. BRUNGARDT
9-12-2025
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PROFESSIONAL ENGINEER

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FIELD BY: A.JS
DRAWN BY: JGR
CHECK BY:
DATE: 09/12/25
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	DATE	BY
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POWER PLAN
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
EP101

N:\projects\24-7733-0 City of Odessa - Street Power & Light\ACAD\Plans for Mason St\plot\[EP101 Mason St. ELECTRICAL POWER PLAN.dwg

KEYED NOTES:

1. OWNER TO INSTALL NEW OWNER PROVIDED POLE MOUNTED LUMINAIRE. FIXTURE TO BE PROVIDED WITH INTEGRAL ELECTRICAL RECEPTACLES. COORDINATE WITH ELECTRICAL SCHEDULES WHERE WIRE SIZE IS TOO LARGE TO LAND ON RECEPTACLES PROVIDE WITH A POLARIS CONNECTOR TO REDUCE TO ACCEPTABLE CONDUCTOR SIZE. REFER TO CIVIL PLANS FOR EXACT POLE LOCATION. REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
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4. HOLIDAY LIGHTING RECEPTACLE POWER TO BE ROUTED THROUGH LIGHTING CONTROL PANEL "LCP-04E". REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
5. NEW ELECTRICAL EQUIPMENT RACK. REFER TO SHEET E402 FOR EXACT LOCATION. REFER TO ELECTRICAL DETAILS, SCHEDULES AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
6. CIRCUIT IS CONTINUED ON TO BOLLARDS LOCATED ON SECOND STREET. REFER TO THE SECOND STREET SITE PLANS AND PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.
7. ROUTE CIRCUIT THROUGH IN-GRADE JUNCTION BOX "J-03E".
8. ROUTE CIRCUIT THROUGH IN-GRADE JUNCTION BOX "J-04E".
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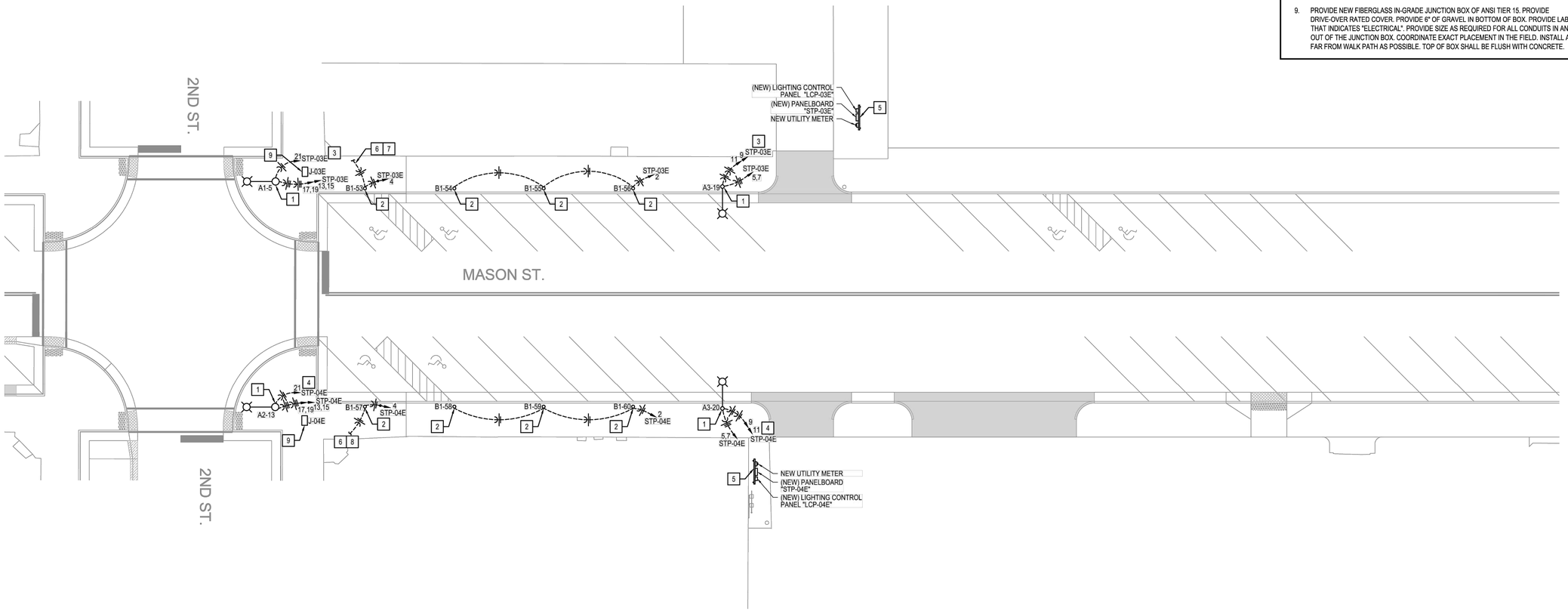

1 MASON ST. ELECTRICAL POWER PLAN - NEW WORK

SCALE: 1/16" = 1'-0"

NORTH

MEP ENGINEER:

InSite Group
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MO COA 2002005563 - Curtis L. Brungardt, P.E. 2003016693

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STATE OF MISSOURI
CURTIS L. BRUNGARDT
9-12-2025
NUMBER PE-2003016693
PROFESSIONAL ENGINEER

DRAWING INFO.
FIELD BY: A.J.S
DRAWN BY: J.G.R
CHECK BY:
DATE: 09/12/25
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	DATE	BY

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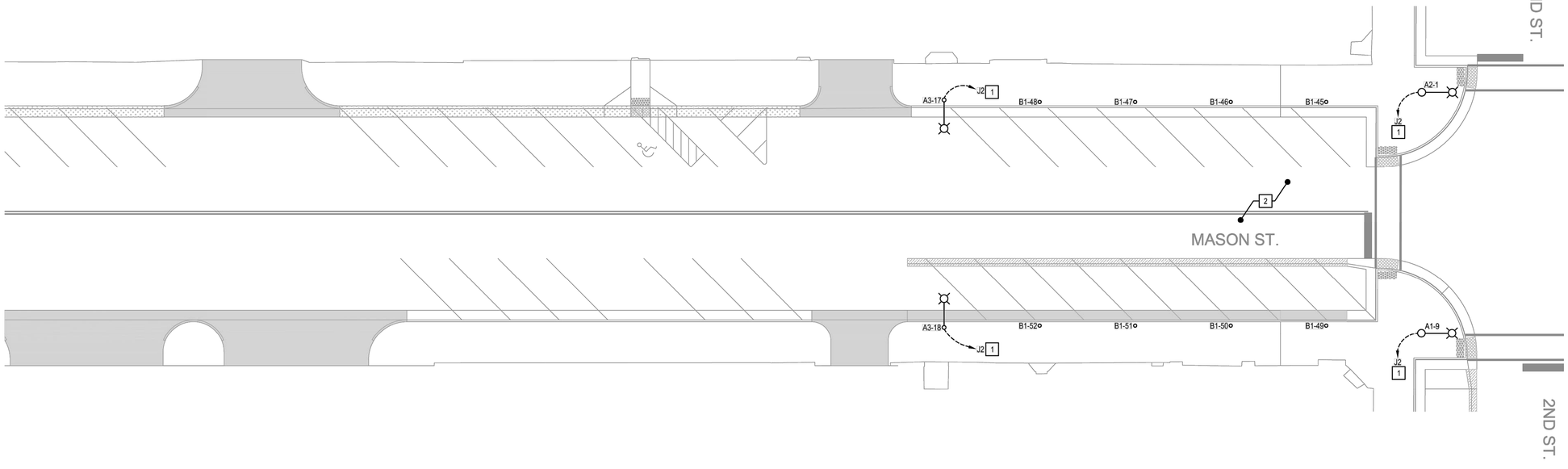
POWER PLAN
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
EP102

N:\projects\24-7733-0 City of Odessa - Street Power & Ug\CAD\Plans by Mason St\[EP102 Mason St ELECTRICAL POWER NEW PLAN

KEYED NOTES:

1. ROUTE 1" CONDUIT TO EACH LIGHT FIXTURE. CONDUITS TO BE BURIED AT A MINIMUM OF 30" BELOW GRADE. REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
2. REFER TO 2nd STREET COMMUNICATIONS PLANS FOR LOCATION OF JUNCTION BOXES.



1 **MASON ST. ELECTRICAL COMMUNICATIONS PLAN - NEW WORK**
SCALE: 1/16" = 1'-0"

NORTH

MEP ENGINEER:

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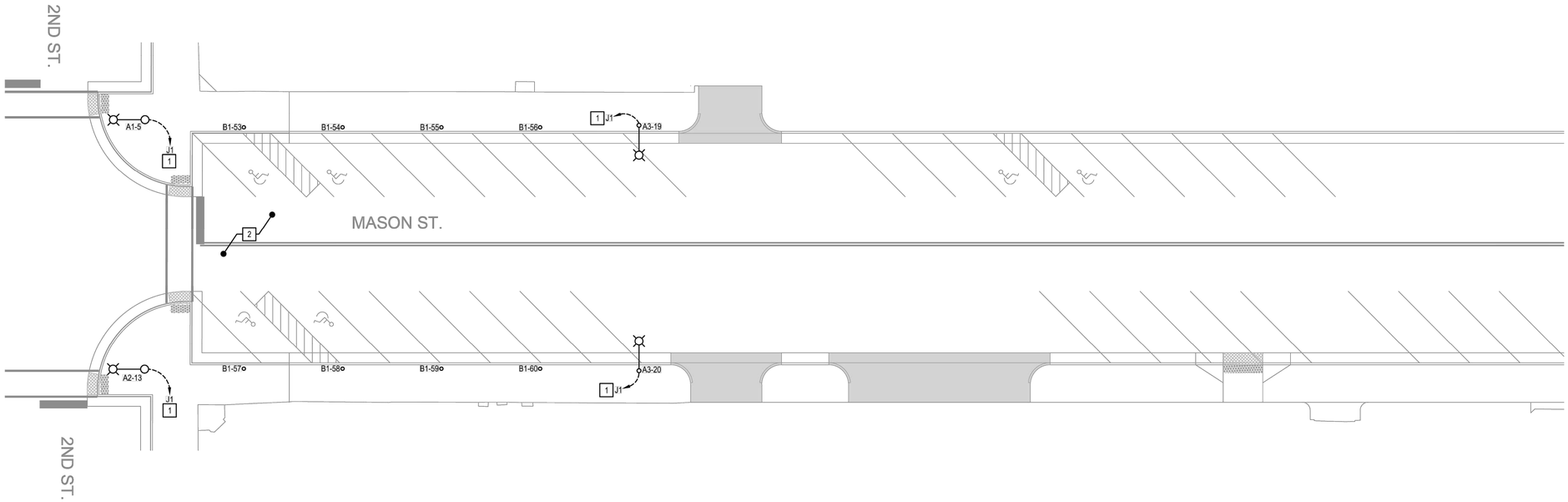
COMMUNICATIONS PLAN
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
EC101

N:\projects\24-7733-0 City of Odessa - Street Power & Light\ACAD\Plans for Mason St\[EC101] Mason St. ELECTRICAL COMMUNICATIONS NEW PLAN

KEYED NOTES:

1. ROUTE 1" CONDUIT TO EACH LIGHT FIXTURE. CONDUITS TO BE BURIED AT A MINIMUM OF 30" BELOW GRADE. REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION.
2. REFER TO 2nd STREET COMMUNICATIONS PLANS FOR LOCATION OF JUNCTION BOXES.



1 **MASON ST. ELECTRICAL COMMUNICATIONS PLAN - NEW WORK**
SCALE: 1/16" = 1'-0"

NORTH

MEP ENGINEER:
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JOB NUMBER:	TAP-9901(443)

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COMMUNICATIONS PLAN
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
EC102

N:\projects\24-7733-O City of Odessa - Street Power & Light\ADS\Plans for Mason St\[09122025]EC102 Mason St. ELECTRICAL COMMUNICATIONS NEW PLAN

1 OVERALL SITE ELECTRICAL PLAN - NEW WORK
SCALE: N.T.S.

NORTH

MEP ENGINEER:
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MO CoA 2009000481 | Contact: Brian Jarvis, P.E. 2009030689

ISG PROJECT NUMBER: 24-7733-0

SHEET NUMBER
E401

OVERALL ELECTRICAL PLAN

MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

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				FIELD BOOK:	
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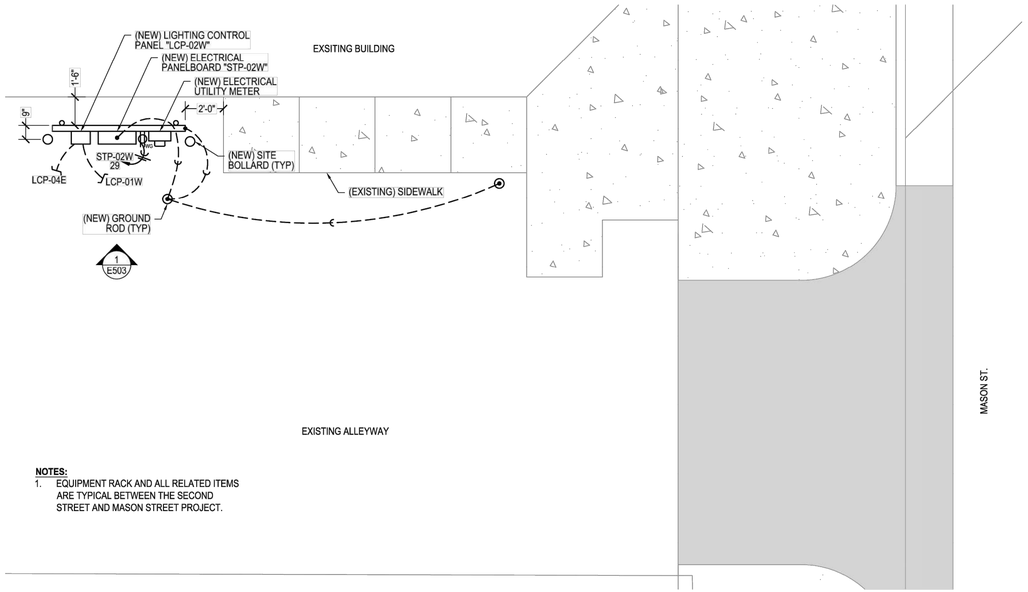
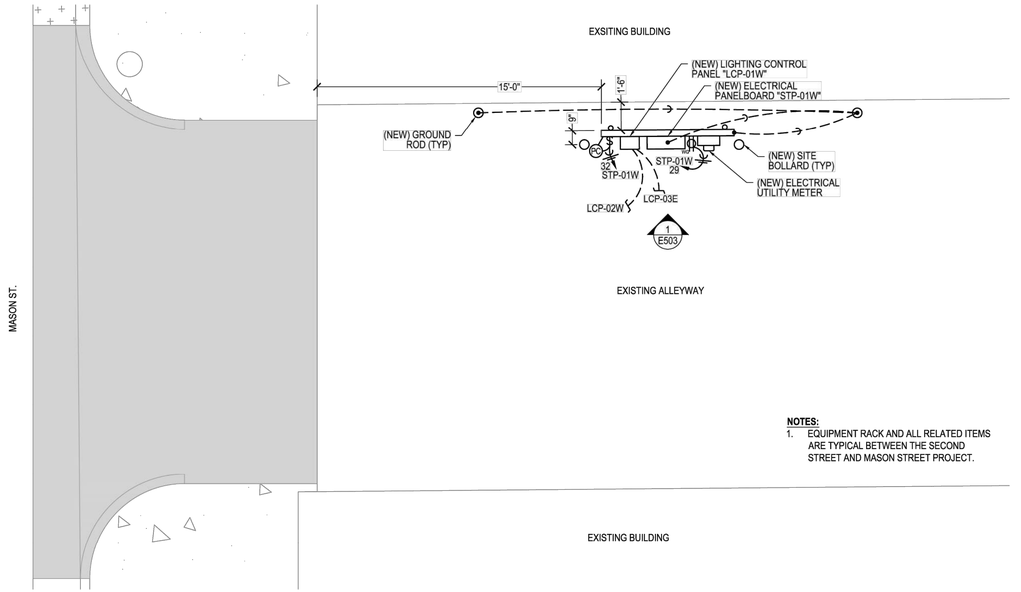
N:\project\24-7733-0 City of Odessa - Street Power & Ltg\CAD\Plans for Mason St\[2640] E401 ENLARGED ELECTRICAL SITE PLANS



NOTES:
1. EQUIPMENT RACK AND ALL RELATED ITEMS ARE TYPICAL BETWEEN THE SECOND STREET AND MASON STREET PROJECT.

3 ENLARGED ELECTRICAL EQUIPMENT RACK "STP-02W"
SCALE: 1/4" = 1'-0"

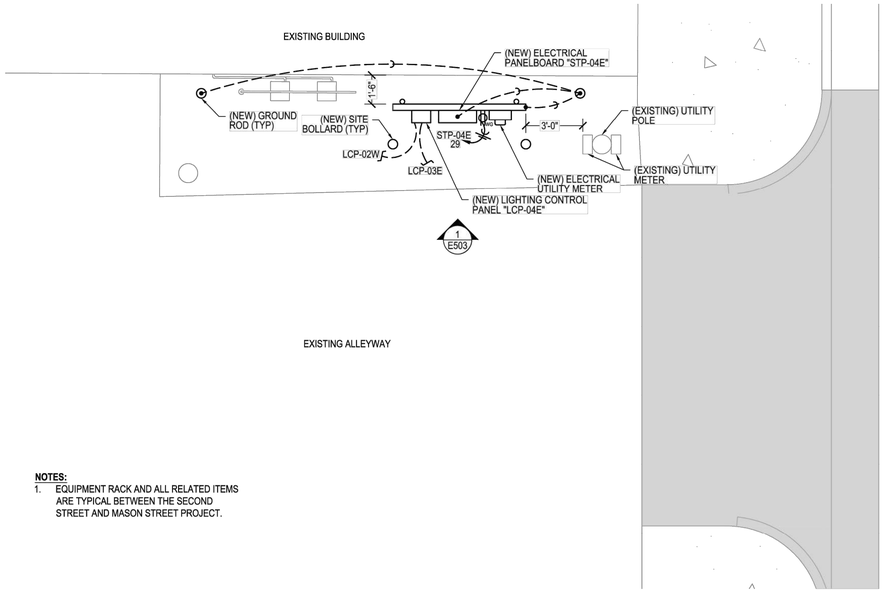
NORTH



NOTES:
1. EQUIPMENT RACK AND ALL RELATED ITEMS ARE TYPICAL BETWEEN THE SECOND STREET AND MASON STREET PROJECT.

1 ENLARGED ELECTRICAL EQUIPMENT RACK "STP-01W"
SCALE: 1/4" = 1'-0"

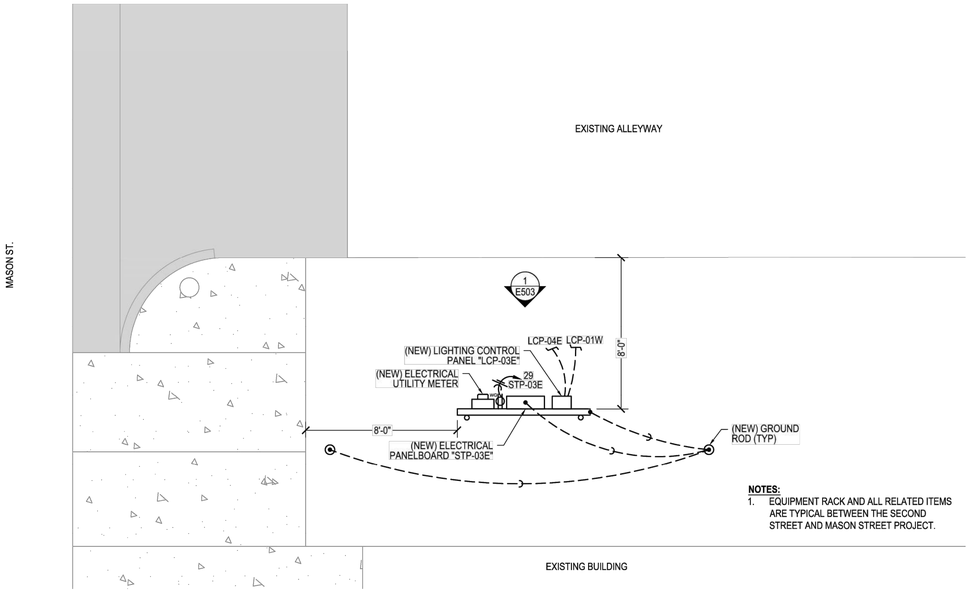
NORTH



NOTES:
1. EQUIPMENT RACK AND ALL RELATED ITEMS ARE TYPICAL BETWEEN THE SECOND STREET AND MASON STREET PROJECT.

4 ENLARGED ELECTRICAL EQUIPMENT RACK "STP-04E"
SCALE: 1/4" = 1'-0"

NORTH



NOTES:
1. EQUIPMENT RACK AND ALL RELATED ITEMS ARE TYPICAL BETWEEN THE SECOND STREET AND MASON STREET PROJECT.

2 ENLARGED ELECTRICAL EQUIPMENT RACK "STP-03E"
SCALE: 1/4" = 1'-0"

NORTH

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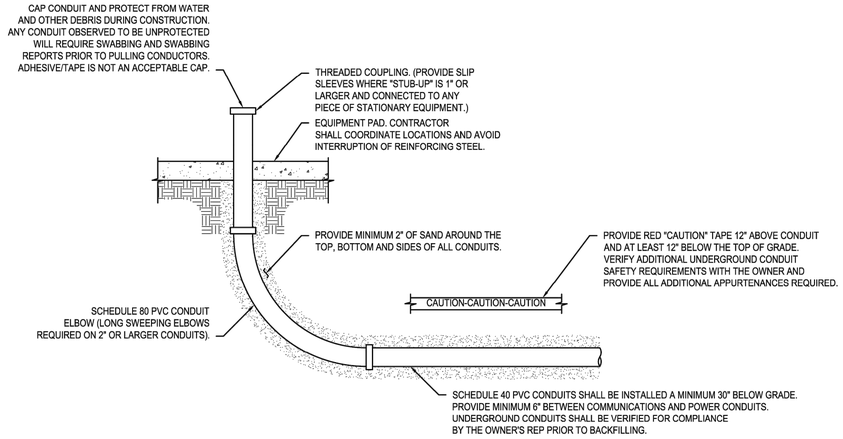
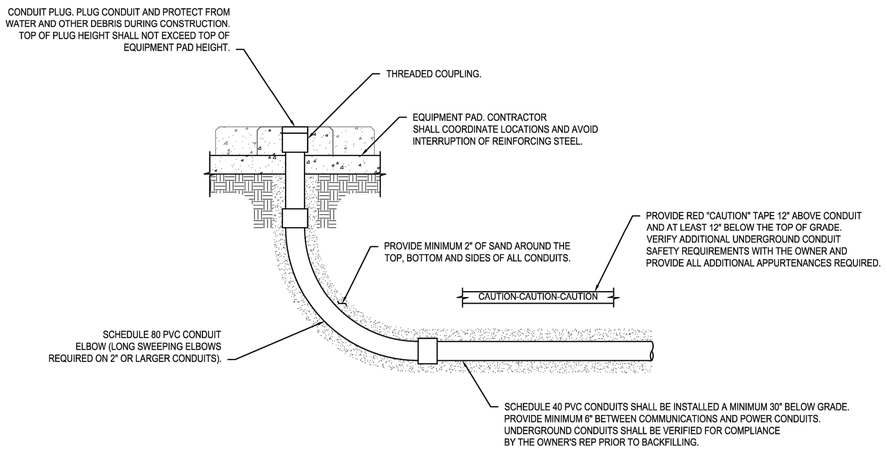
ENLARGED ELECTRICAL PLANS
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E402

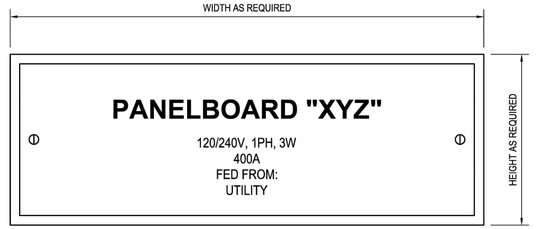
N:\projects\24-7733-0 City of Odessa - Street Phase 4 Ltg\CAD\Plans for Mason St\[E402] ENLARGED ELECTRICAL SITE PLANS



4 CONDUIT STUB-UP (BELOW GRADE TO ABOVE GRADE) DETAIL
SCALE: N.T.S.



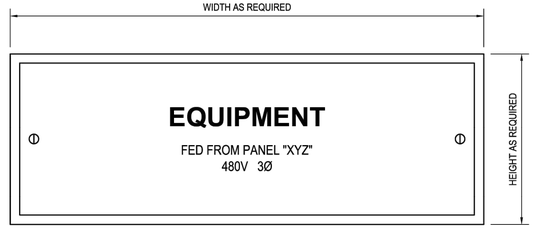
5 CONDUIT STUB-UP FOR FUTURE EQUIPMENT DETAIL
SCALE: N.T.S.



DETAIL NOTES:

1. SEE SPECIFICATIONS FOR ADDITIONAL LABEL AND COLOR INFORMATION.
2. REWORD LABELS FOR FIELD CONDITIONS.
3. PROVIDE SIMILAR LABELS ON ALL NEW PANELBOARDS AND SWITCHBOARDS.
4. LABEL SIZE SHOULD BE COORDINATED WITH THE EQUIPMENT DIMENSIONS. UTILIZE A COMMON FONT AND FONT SIZE ON ALL LABELS.

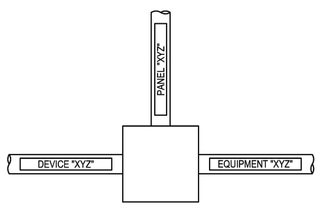
1 SUB-DISTRIBUTION CENTER AND BRANCH PANELBOARD LABELING DETAIL
SCALE: N.T.S.



DETAIL NOTES:

1. SEE SPECIFICATIONS FOR ADDITIONAL LABEL INFORMATION.
2. REWORD LABELS FOR FIELD CONDITIONS.
3. PROVIDE SIMILAR LABELS ON ALL MECHANICAL, PLUMBING, ELECTRICAL, ETC. EQUIPMENT. ALL POWERED EQUIPMENT SHALL BE LABELED.
4. LABEL SIZE SHOULD BE COORDINATED WITH THE EQUIPMENT DIMENSIONS. UTILIZE A COMMON FONT AND FONT SIZE ON ALL LABELS.

2 EQUIPMENT LABELING DETAIL
SCALE: N.T.S.



DETAIL NOTE:

ALL POWER AND COMMUNICATIONS WIRING SHALL BE INSTALLED IN CONDUIT. PROVIDE CONDUIT LABELING AT ALL LOCATIONS WHERE CONDUITS ENTER OR LEAVE JUNCTION BOXES, PULL BOXES, CONTROL PANELS, CONTROL DEVICES, WALLS, FLOORS, ELECTRICAL EQUIPMENT, MECHANICAL EQUIPMENT, ETC., AND AT MAXIMUM 30' INTERVALS ABOVE GROUND. PROVIDE PANEL NAME, JUNCTION BOX NAME, AND CIRCUIT NAME. LABELS SHALL BE VISIBLE FROM ALL SIDES. TEXT SIZE SHALL BE 1/2" MINIMUM.

3 CONDUIT LABELING DETAIL
SCALE: N.T.S.

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9-12-2025
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REVISIONS

NO.	DESCRIPTION	DATE	BY

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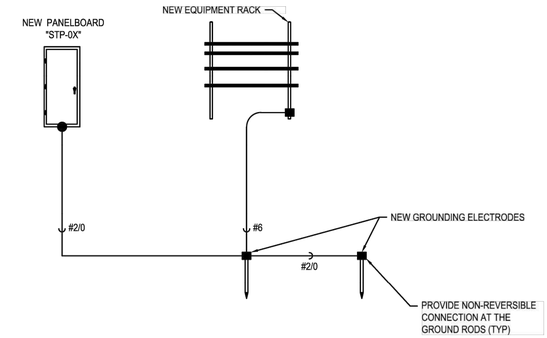
ELECTRICAL DETAILS
MASON STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E501

N:\projects\24-7733-0 City of Odessa - Street Power & Ltg\CAD\Plans for Mason St\05\E501 ELECTRICAL DETAILS



■ NON-REVERSIBLE TYPE CONNECTION. (CRIMP, COMPRESSION, OR CADWELD)

● BOLTED CONNECTION.

1 GROUNDING ELECTRODE SYSTEM ONE-LINE DIAGRAM (TYP OF 4)

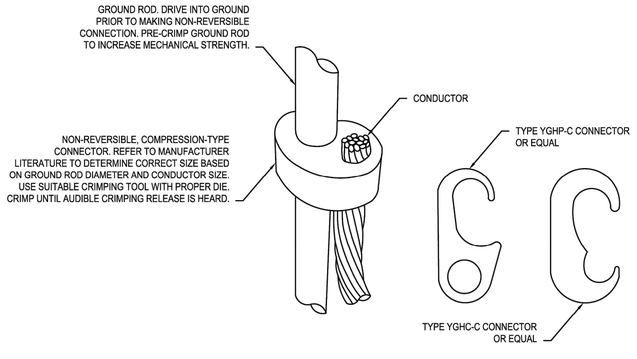
SCALE: N.T.S.

IMPEDANCE TESTING:

1. CONTRACTOR SHALL TEST EACH GROUNDING ELECTRODE IMPEDANCE VALUE INDIVIDUALLY AND RECORD THE RESULTS. TESTING SHALL BE COMPLETED ONCE THE ELECTRODE HAS BEEN INSTALLED FOR MINIMUM 24 HOURS AND PRIOR TO CONNECTION TO ANY CONDUCTOR. CONTRACTOR SHALL USE A CLAMP ON TESTER THAT INJECTS A CURRENT AND MEASURES CURRENT, OR THE THREE-POINT POINT FALL POTENTIAL METHOD. ALL TESTING SHALL BE COMPLIANT WITH IEEE STD 81-2012.
2. WHERE ANY GROUNDING ELECTRODE MEASURES MORE THAN 25 OHMS, THE FOLLOWING MODIFICATIONS SHALL BE MADE. BORE A 4" HOLE THE DEPTH OF THE ELECTRODE PLUS THREE FEET. AFTER BORING THE HOLE, INSERT THE ELECTRODE INTO THE HOLE, BACKFILL WITH BENTONITE/WATER MIX OR OTHER GROUNDING ENHANCEMENT MATERIAL (PER MANUFACTURER RECOMMENDATIONS). COMPLETE NEW IMPEDANCE READINGS AFTER 24 HOURS. THESE VALUES SHALL BE REPORTED TO THE OWNER/ENGINEER.
3. AFTER ALL CONNECTIONS HAVE BEEN MADE TO THE GROUNDING ELECTRODE SYSTEM, THE SYSTEM SHALL BE TESTED FOR TOTAL IMPEDANCE. REMOVE THE NEUTRAL TO GROUND CONNECTION PRIOR TO TESTING. RECORD ALL MEASUREMENTS.
4. SUBMIT ALL IMPEDANCE VALUES TO THE OWNER/ENGINEER PRIOR TO COMPLETION OF THE PROJECT.

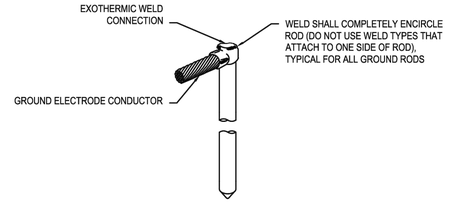
GENERAL NOTES:

1. NON-REVERSIBLE CONNECTIONS SHALL BE EXOTHERMIC WELDED, BURNDY GROUND LINK OR OTHER PRE-APPROVED EQUAL. REFER TO DETAILS ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.



3 NON-REVERSIBLE GROUNDING ROD CONNECTION DETAIL

SCALE: N.T.S.



2 NON-REVERSIBLE GROUNDING ROD CONNECTION DETAIL

SCALE: N.T.S.

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STATE OF MISSOURI
CURTIS L. BRUNGARDT
9-12-2025
NUMBER PE-2003016693
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DRAWING INFO.

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ELECTRICAL DETAILS
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

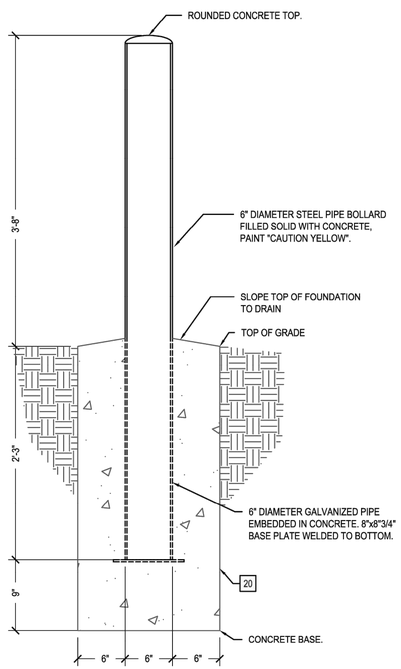
SHEET NUMBER
E502

N:\projects\24-7733-0 City of Odessa - Street Phase 4 Ltg\CAD\Plans for Mason Rd\dwgs\ES01 ELECTRICAL DETAILS

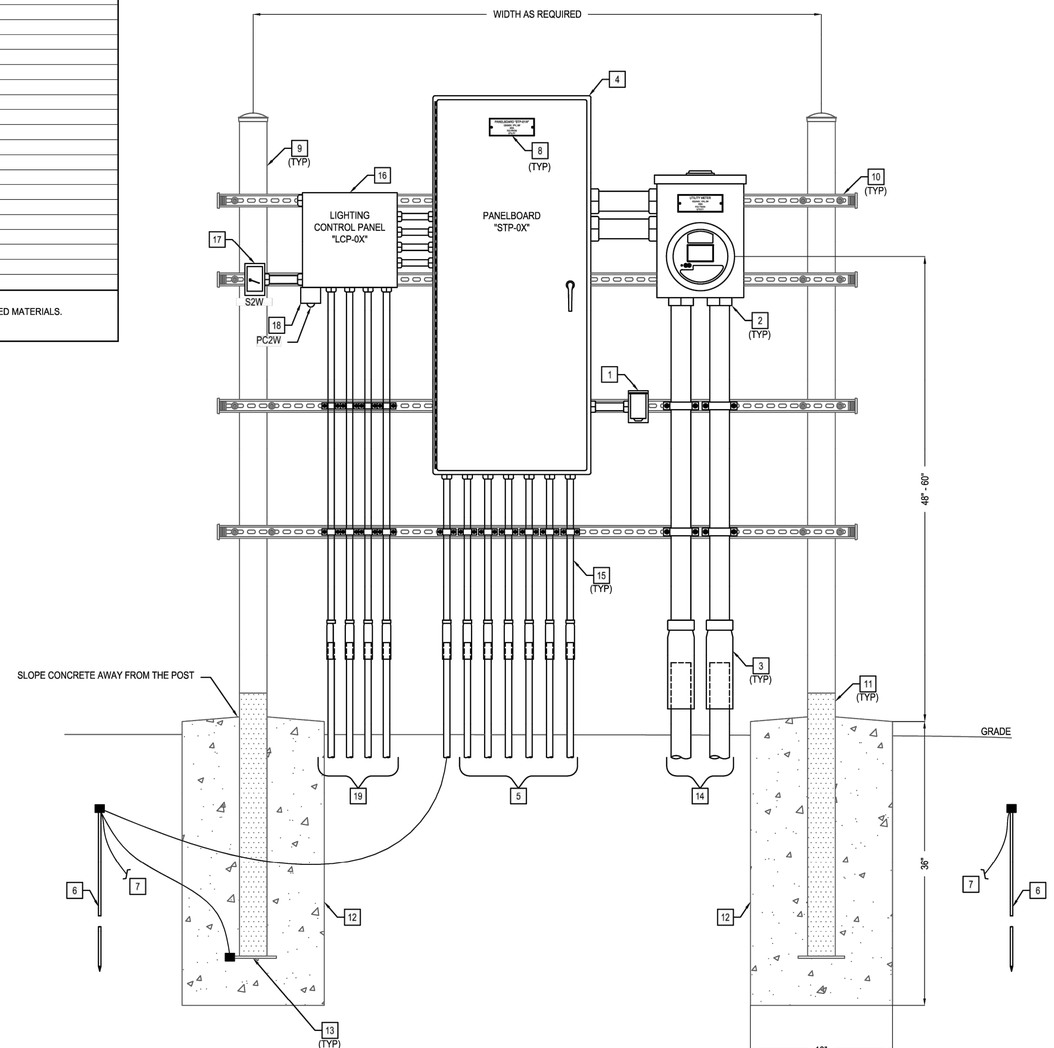
EQUIPMENT RACK MATERIAL SCHEDULE (TYP OF 4)

DESCRIPTION	QTY	NOTES
400AMP-120/240 VOLT, 1PH, 3W (NEMA 3R)	1 EA	
METER ENCLOSURE	1 EA	
2" CONDUIT (FITTINGS, ELBOWS) - SERVICE ENTRANCE	40 FT	
2" CONDUIT SLIP SLEEVES - SERVICE ENTRANCE	2 EA	
CONDUIT HUBS, BUSHING, FITTINGS	AS REQUIRED	
#3/0 AWG CONDUCTORS - SERVICE ENTRANCE	150FT	
#3 AWG GND CONDUCTORS - SERVICE ENTRANCE	50 FT	
20AMP, 120V GFCI RECEPTACLE	1 EA	
SINGLE-GANG WEATHER PROOF BOX AND COVER	1 EA	
3/4" RIGID GALVANIZED CONDUIT	10 FT	
#12 AWG CONDUCTORS	30 FT	
12" X 12" X 6" HINGED ENCLOSURE	1 EA	
120V GENERAL PURPOSE 8-POLE LIGHTING CONTACTOR	1 EA	
120V TIME CLOCK	1 EA	PANELBOARD STP-01W ONLY
120V PHOTOCELL	1 EA	PANELBOARD STP-01W ONLY
120V SINGLE POLE TOGGLE SWITCH	1 EA	PANELBOARD STP-01W ONLY
SINGLE-GANG WEATHER PROOF BOX AND SWITCH COVER	1 EA	PANELBOARD STP-01W ONLY
3/4" RIGID GALVANIZED CONDUIT	10 FT	PANELBOARD STP-01W ONLY
#12 AWG CONDUCTORS	30 FT	PANELBOARD STP-01W ONLY
1-5/8" GALVANIZED UNIT-STRUT	40 FT	
STRUT SUPPORTS, FITTINGS, HANGERS, ENDCAPS	AS REQUIRED	
GALAVNIZED HARDWARE	AS REQUIRED	
3" GALVANIZED STEEL POST WITH END PLATE	2 EA	
POST WATER PROOFING	2 EA	
CONCRETE BASE	1 YD	
#4 REINFORCING STEEL	50 FT	
10' COPPER GROUNDING ELECTRODE	2 EA	
GROUND CLAMPS, FITTINGS, CONNECTORS	AS REQUIRED	
1" CONDUIT - GROUNDING	10FT	
#2/0 AWG GND CONDUCTORS - GROUNDING	50FT	
#6 AWG GND CONDUCTORS - GROUNDING	20 FT	
PROTECTION BOLLARD	2 EA	
CONCRETE BASE	1 YD	
REINFORCING STEEL	50FT	
1" CONDUIT SLIP SLEEVES - BRANCH CIRCUITS	6 EA	
1.5" CONDUIT SLIP SLEEVES - BRANCH CIRCUITS	4 EA	
2" CONDUIT SLIP SLEEVES - BRANCH CIRCUITS	4 EA	
NAMEPLATE, TAGS, LABELING, ETC	AS REQUIRED	

NOTES:
1) THE VALUES REPRESENTED IN THE TABLE ABOVE ARE TO BE USED AS ESTIMATES ONLY. CONTRACTOR SHALL PROVIDE ALL REQUIRED MATERIALS.
2) CONTRACTOR TO DETERMINE QUANTITIES OF ALL CONDUIT FITTINGS, HANGERS, PULL BOXES, ETC.



2 EMBEDDED BOLLARD DETAIL
SCALE: N.T.S.



1 PANELBOARD & METER RACK DETAIL (TYP OF 4)
SCALE: N.T.S.

KEYED NOTES:

1. PROVIDE 20 AMP, 1 POLE, GFCI RECEPTACLE INSTALLED A WEATHER-PROOF IN-USE COVER. COVER SHALL BE ALUMINUM OR DIECAST, PLASTIC IS NOT ACCEPTABLE.
2. ALL CONDUITS IN/OUT OF EQUIPMENT SHALL BE PROVIDED WITH WEATHER-PROOF HUBS. ALL CONDUITS THAT TERMINATE IN THE BOTTOM OF EQUIPMENT AND NOT CONNECTED SHALL BE PROVIDED WITH BELL ENDS OR BUSHINGS. SPLIT HUB BUSHINGS ARE NOT ACCEPTABLE. MISSING BELL ENDS OR BUSHINGS WILL REQUIRE THE CONTRACTOR TO REMOVE CONDUCTORS, INSTALL BELL ENDS OR BUSHINGS, AND RE-TERMINATE CONDUCTORS AT CONTRACTOR'S EXPENSE.
3. PROVIDE SCHEDULE 80 PVC SLIP SLEEVES ON ALL CONDUITS 1" AND LARGER. HOLD SLIP SLEEVE AS CLOSE TO GROUND AS POSSIBLE. GRC SHALL BE USED AFTER THE SLIP SLEEVE. PVC CONDUIT SHALL NOT EXTEND MORE THAN 6" OUT OF THE GRADE.
4. THE CENTER OF THE OPERATING HANDLE OF THE BREAKER FURTHEST FROM THE GROUND, WHEN AT HIGHEST POSITION, IS NOT TO EXCEED 6'-7" GRADE.
5. POWER CONDUITS FOR ALL LOADS. REFER TO ELECTRICAL SITE PLANS, ENLARGED PLANS, ONE-LINE DIAGRAMS, AND SCHEDULES FOR ALL CONDUITS IN/OUT OF THE EQUIPMENT.
6. PROVIDE 3/4" X 10' LONG COPPER CLAD GROUNDING ROD/ELECTRODE. DRIVE THE GROUND ROD INTO THE GROUND AND CONNECT THE COPPER WIRE SIZE INDICATED. CONNECTION TO THE ROD SHALL BE NON-REVERSIBLE.
7. PROVIDE CONNECTION BETWEEN THE GROUNDING ELECTRODES.
8. LABELS SHALL BE ATTACHED USING A MECHANICAL FASTENER. ADHESIVE IS NOT ACCEPTABLE.
9. 3" GALVANIZED STEEL POST FILLED WITH CONCRETE. TOP OF POST SHALL BE THREADED AND PROVIDED WITH A THREADED POST CAP.
10. 1-5/8" X 1-5/8" GALVANIZED STEEL UNISTRUT SUPPORTS WITH GRAY END CAPS.
11. PROVIDE VERTICAL RACK POSTS WITH WATER PROOFING AGENT COVERING BOTTOM OF POST UP TO 3" ABOVE TOP OF CONCRETE. WATER PROOFING AGENT SHALL BE SANI-TRED LIQUID RUBBER BASE OR EQUIVALENT.
12. CONCRETE PIER FOR EQUIPMENT RACK. PROVIDE MINIMUM 36" DEEP PIER WITH 18" DIAMETER. PROVIDE EPOXY COATED REINFORCING STEEL AT 6" ON CENTER IN THE HORIZONTAL AND VERTICAL DIRECTION. HOLD PIER AS CLOSE TO BUILDING FOOTING AS POSSIBLE, COORDINATE WITH EACH LOCATION. HOLD BACK FROM DRIVE LANE AS MUCH AS POSSIBLE.
13. PROVIDE 6" X 6" GALVANIZED STEEL PLATE WELDED TO BOTTOM OF POST. CADWELD THE GROUNDING ELECTRODE TO THE STEEL PLATE.
14. CONDUIT TO UTILITY POLE. REFER TO ONE-LINE DIAGRAMS FOR CONDUIT AND WIRE SIZES. REFER TO SITE PLANS FOR UTILITY POLE LOCATIONS.
15. ALL CONDUITS IN/OUT OF THE PANELBOARD SHALL BE LABELED WITH THE PANELBOARD NAME THE CIRCUIT NUMBER. PROVIDE UV RATED, WATER-PROOF, ADHESIVE LABEL. LABEL SHALL BE WHITE WITH BLACK LETTERING FOR POWER AND LIGHTING CIRCUITS. PROVIDE GREEN LABEL WITH WHITE LETTERING FOR GROUNDING ELECTRODE CONDUCTORS.
16. PROVIDE LIGHTING CONTROL PANEL AT EACH PANELBOARD LOCATION. REFER TO SHEET E506 AND E507 FOR CONTROL DETAIL.
17. PROVIDE MANUAL OVER-RIDE SWITCH "S2W" AT "LCP-02W". SWITCH SHALL BE RATED FOR 120-VOLTS AND 20AMPS. INSTALL WITH WEATHER-PROOF BOX WITH WEATHER-PROOF COVER.
18. PROVIDE PHOTOCELL DEVICE AT "LCP-02W". PHOTOCELL SHALL BE RATED FOR 120-VOLTS AND 20 AMPS. DIRECT PHOTOCELL DOWN AND TOWARD THE NORTH AS MUCH AS POSSIBLE. MOUNT BELOW THE CONTROL PANEL TO SHIELD FROM POLE LIGHT AS MUCH AS POSSIBLE. SET PHOTOCELL TO CLOSE WHEN LIGHT LEVELS DROP BELOW 5 FOOT-CANDLES. PHOTOCELL SHALL BE RATED FOR -40° TO 158° F. PROVIDE INTERMATIC K4100 OR EQUAL.
19. PROVIDE CONDUIT AND WIRING TO BOLLARDS AND LIGHT POLES FOR LIGHTING CONTROLS.
20. CONCRETE PIER FOR BOLLARD. PROVIDE MINIMUM 36" DEEP PIER WITH 18" DIAMETER. PROVIDE EPOXY COATED REINFORCING STEEL AT 6" ON CENTER IN THE HORIZONTAL AND VERTICAL DIRECTION.

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STATE OF MISSOURI
CURTIS L. BRUNGARDT
9-12-2025
NUMBER PE-2003016693
PROFESSIONAL ENGINEER

REVISIONS			
NO	DESCRIPTION	BY	DATE

DRAWING INFO.

FIELD BY:	A.JS
DRAWN BY:	JGR
CHECK BY:	
DATE:	09/12/25
FIELD BOOK:	
JOB NUMBER:	TAP-99001(443)

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ELECTRICAL DETAILS
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E503

MEP ENGINEER:
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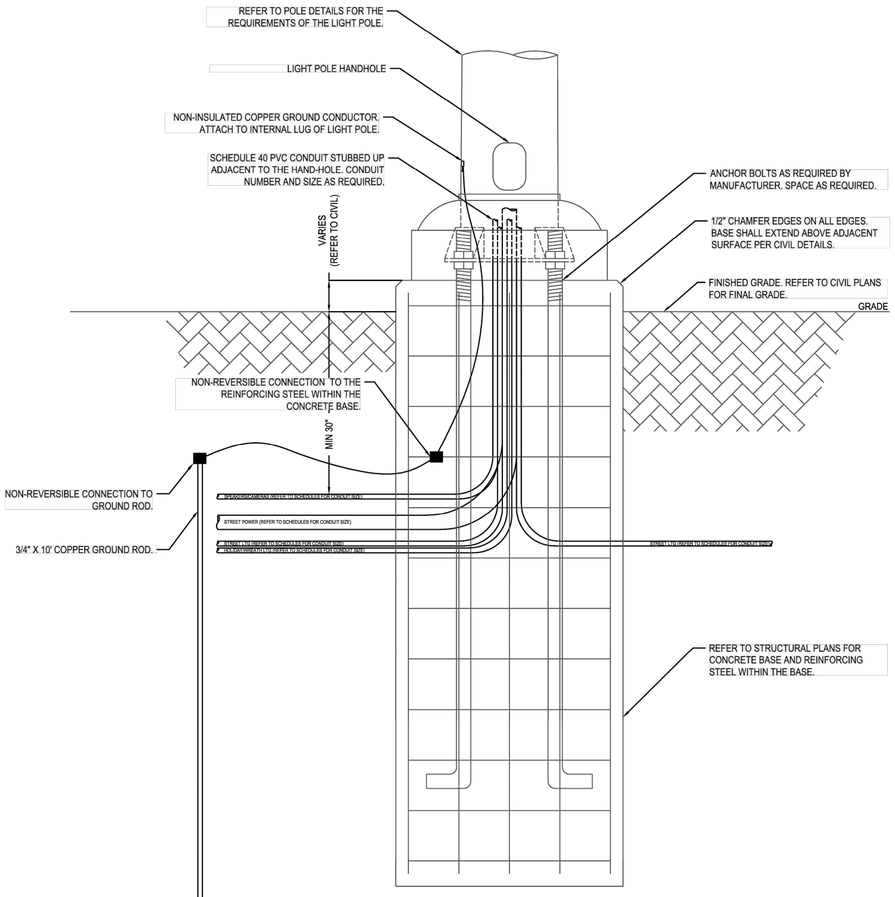
ISG PROJECT NUMBER: 24-7733-0
MO COA 2002005563 - Curtis L. Brungardt, P.E. 2003016693

N:\projects\24-7733-0 City of Odessa - Street Power & Light\ADs\Plans for Mason St\05050\E501 ELECTRICAL DETAILS



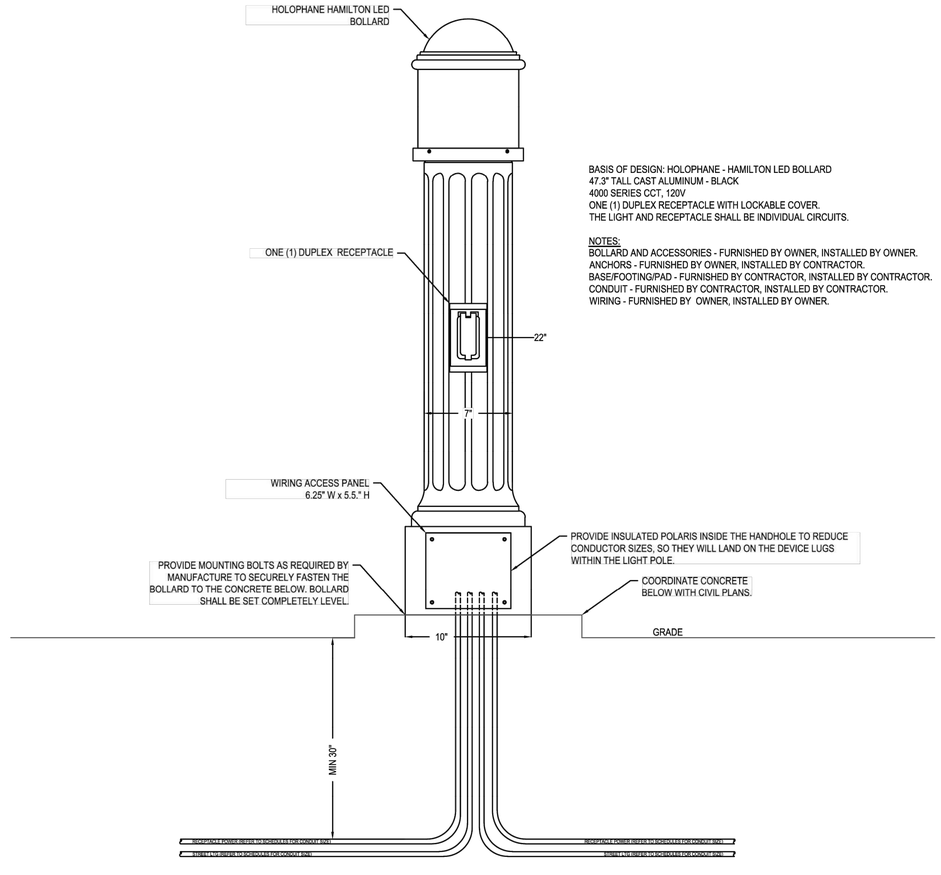
POLE BASE SCHEDULE & NOTES

POLE HEIGHT	BASE DIAMETER (D)	BASE DEPTH BELOW GRADE (H)	VERTICAL REINFORCING STEEL SPACING	HORIZONTAL REINFORCING STEEL SPACING
26'	REFER TO STRUCTURAL PLANS	REFER TO STRUCTURAL PLANS	REFER TO STRUCTURAL PLANS	REFER TO STRUCTURAL PLANS

NOTES:

1. PROVIDE PROPER LENGTH J-BOLTS PER MANUFACTURER. SPACING PER MANUFACTURER REQUIREMENTS.
2. BASES SHALL BE INSTALLED LEVEL AND STRAIGHT. REFER TO LUMINAIRE MANUFACTURER'S RECOMMENDATIONS FOR LEVELING OF THE POLE ATOP THE CONCRETE BASE.
3. PROVIDE BOTTOM SKIRT TO COVER J-BOLTS ON ALL POLE MOUNTED LUMINARIES.
4. REINFORCING STEEL SHALL HAVE MINIMUM 2" OF CONCRETE COVER ON ALL SIDES.

2 TYPICAL POLE MOUNTED LUMINAIRE BASE DETAIL
SCALE: N.T.S.



BASIS OF DESIGN: HOLOPHANE - HAMILTON LED BOLLARD
47.3" TALL CAST ALUMINUM - BLACK
4000 SERIES CCT, 120V
ONE (1) DUPLEX RECEPTACLE WITH LOCKABLE COVER.
THE LIGHT AND RECEPTACLE SHALL BE INDIVIDUAL CIRCUITS.

NOTES:
BOLLARD AND ACCESSORIES - FURNISHED BY OWNER, INSTALLED BY OWNER.
ANCHORS - FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
BASE/FOOTING/PAD - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR.
CONDUIT - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR.
WIRING - FURNISHED BY OWNER, INSTALLED BY OWNER.

1 TYPE (B1) SIDEWALK BOLLARD
SCALE: N.T.S.

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9-12-2025
NUMBER PE-2003016693
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JOB NUMBER: TAP-9901(443)

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ELECTRICAL DETAILS
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
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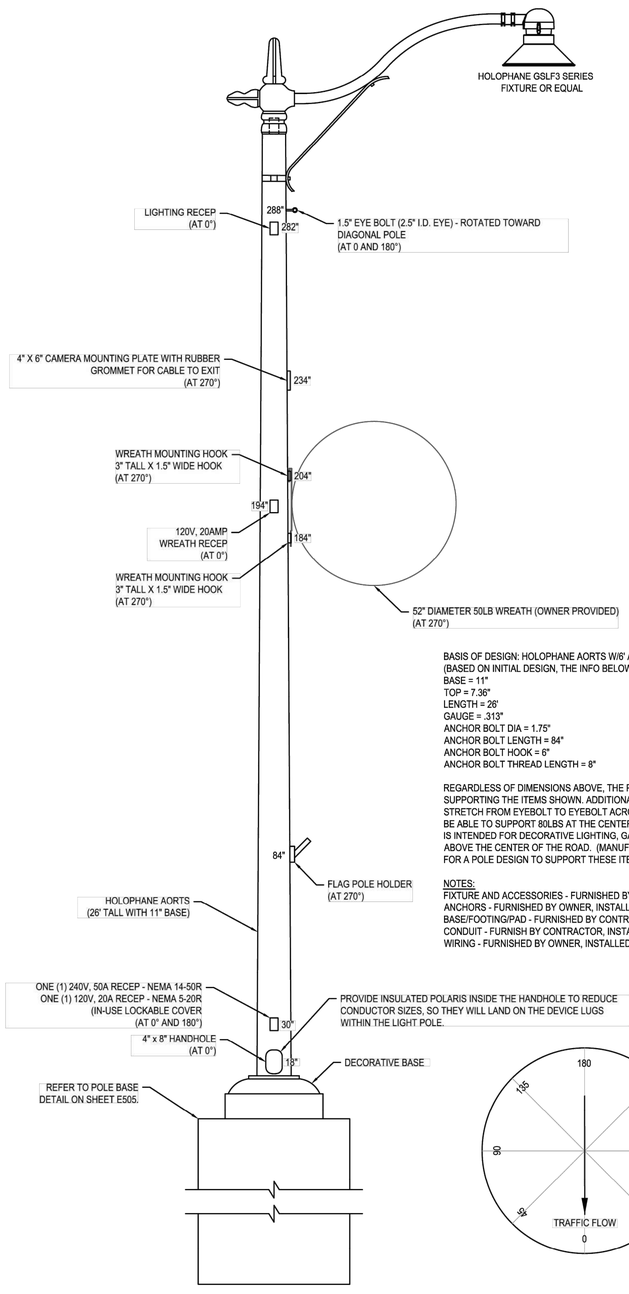
N:\projects\24-7733-O City of Odessa - Street Power & Light\05Plans for Mason Ph\[05]05E1 ELECTRICAL DETAILS

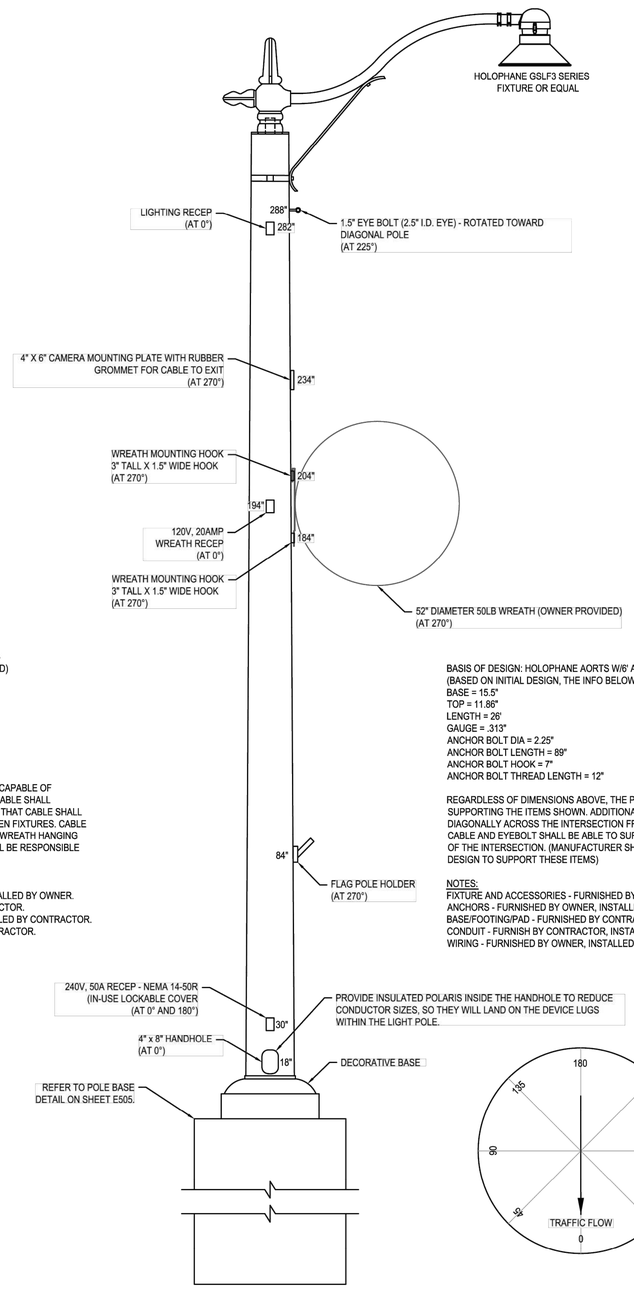


BASIS OF DESIGN: HOLOPHANE AORTS W/6' ARM AND GSLF3
(BASED ON INITIAL DESIGN, THE INFO BELOW WAS PROVIDED)
BASE = 11"
TOP = 7.36"
LENGTH = 26'
GAUGE = .313"
ANCHOR BOLT DIA = 1.75"
ANCHOR BOLT LENGTH = 84"
ANCHOR BOLT HOOK = 6"
ANCHOR BOLT THREAD LENGTH = 8"

REGARDLESS OF DIMENSIONS ABOVE, THE POLE SHALL BE CAPABLE OF SUPPORTING THE ITEMS SHOWN. ADDITIONALLY, A STEEL CABLE SHALL STRETCH FROM EYEBOLT TO EYEBOLT ACROSS THE ROAD. THAT CABLE SHALL BE ABLE TO SUPPORT 80LBS AT THE CENTER POINT BETWEEN FIXTURES. CABLE IS INTENDED FOR DECORATIVE LIGHTING, GARLAND, AND A WREATH HANGING ABOVE THE CENTER OF THE ROAD. (MANUFACTURER SHALL BE RESPONSIBLE FOR A POLE DESIGN TO SUPPORT THESE ITEMS.)

NOTES:
FIXTURE AND ACCESSORIES - FURNISHED BY OWNER, INSTALLED BY OWNER.
ANCHORS - FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
BASE/FOOTING/PAD - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR.
CONDUIT - FURNISH BY CONTRACTOR, INSTALLED BY CONTRACTOR.
WIRING - FURNISHED BY OWNER, INSTALLED BY OWNER.

3 TYPE (A3) STREET LIGHT POLE
SCALE: N.T.S.

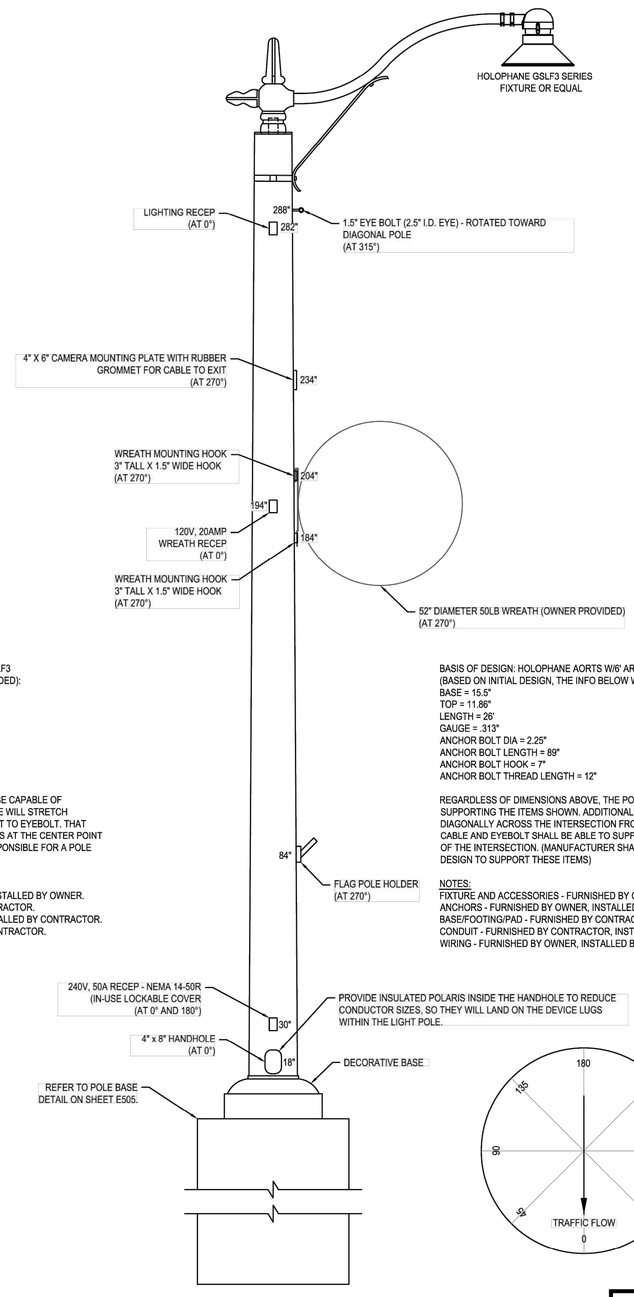


BASIS OF DESIGN: HOLOPHANE AORTS W/6' ARM AND GSLF3
(BASED ON INITIAL DESIGN, THE INFO BELOW WAS PROVIDED):
BASE = 15.5"
TOP = 11.86"
LENGTH = 26'
GAUGE = .313"
ANCHOR BOLT DIA = 2.25"
ANCHOR BOLT LENGTH = 89"
ANCHOR BOLT HOOK = 7"
ANCHOR BOLT THREAD LENGTH = 12"

REGARDLESS OF DIMENSIONS ABOVE, THE POLE SHALL BE CAPABLE OF SUPPORTING THE ITEMS SHOWN. ADDITIONALLY, A CABLE WILL STRETCH DIAGONALLY ACROSS THE INTERSECTION FROM EYEBOLT TO EYEBOLT. THAT CABLE AND EYEBOLT SHALL BE ABLE TO SUPPORT 400LBS AT THE CENTER POINT OF THE INTERSECTION. (MANUFACTURER SHALL BE RESPONSIBLE FOR A POLE DESIGN TO SUPPORT THESE ITEMS)

NOTES:
FIXTURE AND ACCESSORIES - FURNISHED BY OWNER, INSTALLED BY OWNER.
ANCHORS - FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
BASE/FOOTING/PAD - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR.
CONDUIT - FURNISH BY CONTRACTOR, INSTALLED BY CONTRACTOR.
WIRING - FURNISHED BY OWNER, INSTALLED BY OWNER.

2 TYPE (A2) INTERSECTION LIGHT POLE
SCALE: N.T.S.



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REGARDLESS OF DIMENSIONS ABOVE, THE POLE SHALL BE CAPABLE OF SUPPORTING THE ITEMS SHOWN. ADDITIONALLY, A CABLE WILL STRETCH DIAGONALLY ACROSS THE INTERSECTION FROM EYEBOLT TO EYEBOLT. THAT CABLE AND EYEBOLT SHALL BE ABLE TO SUPPORT 400LBS AT THE CENTER POINT OF THE INTERSECTION. (MANUFACTURER SHALL BE RESPONSIBLE FOR A POLE DESIGN TO SUPPORT THESE ITEMS)

NOTES:
FIXTURE AND ACCESSORIES - FURNISHED BY OWNER, INSTALLED BY OWNER.
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BASE/FOOTING/PAD - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR.
CONDUIT - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR.
WIRING - FURNISHED BY OWNER, INSTALLED BY OWNER.

1 TYPE (A1) INTERSECTION LIGHT POLE
SCALE: N.T.S.

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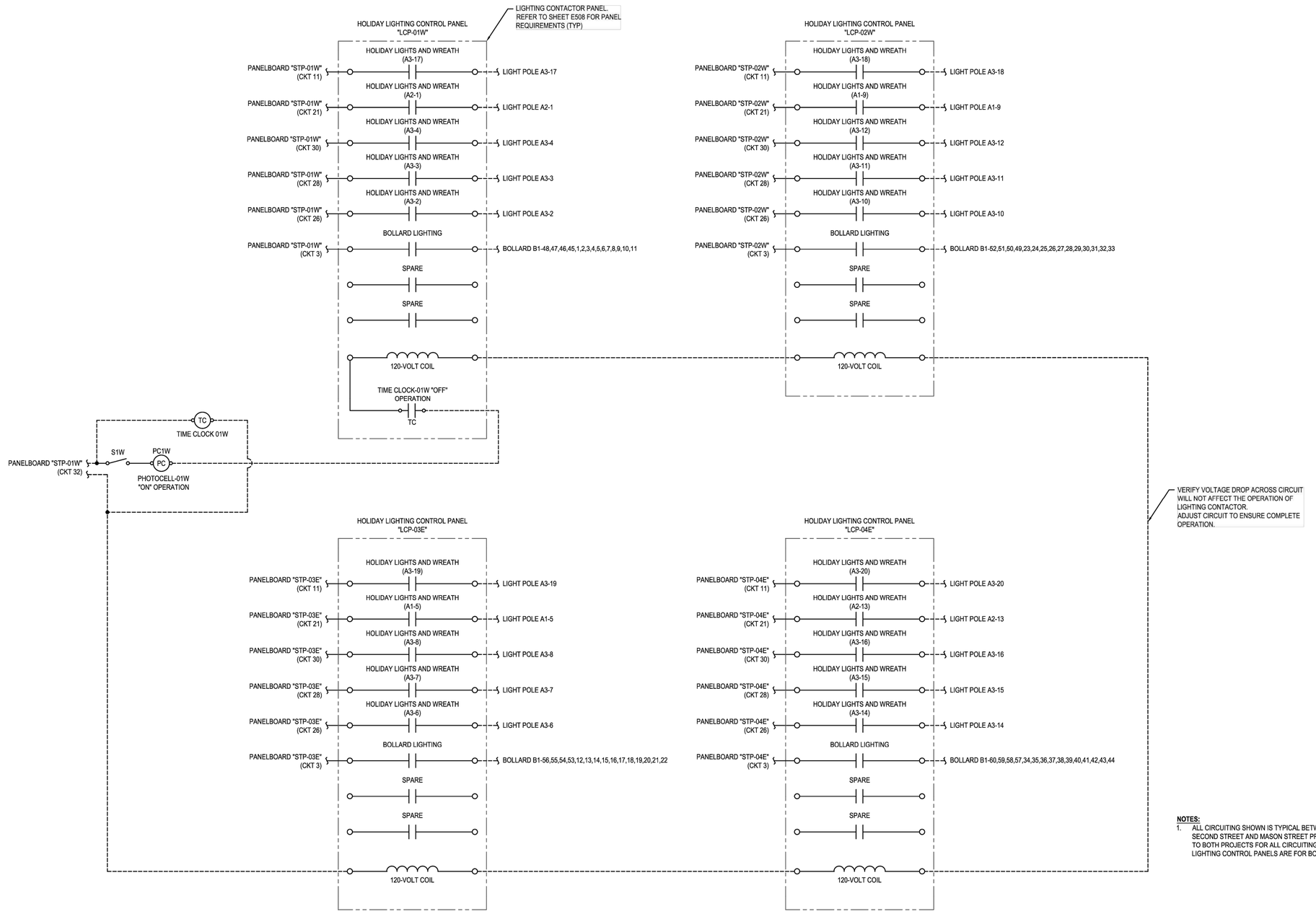
ELECTRICAL DETAILS
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E505

N:\projects\24-7733-0 City of Odessa - Street Phase II Lgt\CAD\Plans for Mason St\250505\ESH1 ELECTRICAL DETAILS



1 LIGHTING CONTACTOR WIRING DIAGRAM

SCALE: N.T.S.

NOTES:

1. ALL CIRCUITING SHOWN IS TYPICAL BETWEEN THE SECOND STREET AND MASON STREET PROJECTS. REFER TO BOTH PROJECTS FOR ALL CIRCUITING SHOWN. LIGHTING CONTROL PANELS ARE FOR BOTH PROJECTS.

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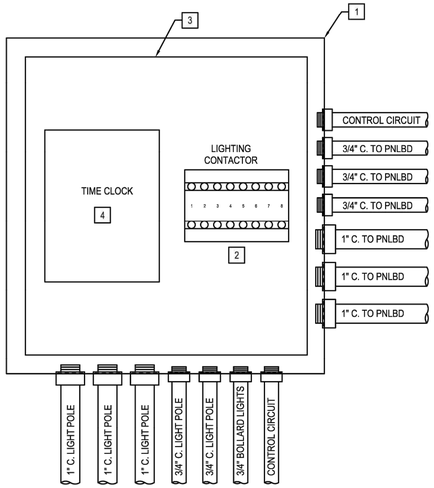
ELECTRICAL DETAILS
MASON STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER E506

N:\projects\24-7733-O City of Odessa - Street Power & Light\ASP\new for Mason Rd\plans\E501 ELECTRICAL DETAILS



LIGHTING CONTACTOR PANEL GENERAL NOTES:

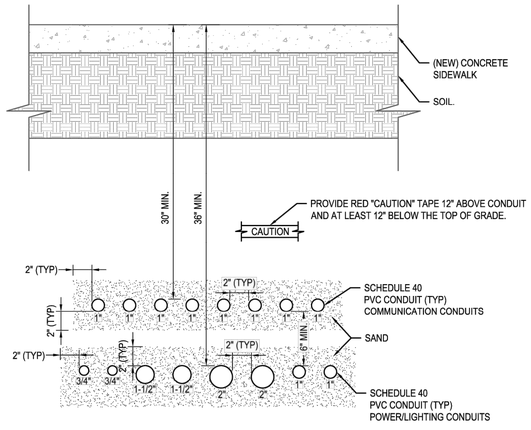
1. ENCLOSURE SHALL BE UL LISTED OR LABELED.
2. PROVIDE MECHANICALLY FASTENED LABELS FOR ENCLOSURE. WHITE LETTERS ON BLACK BACKGROUND. PENETRATIONS SHALL BE GASKETED AND SEALED.
3. ALL WIRING TO BE LABELED WHERE CONNECTED TO ANY DEVICE OR EQUIPMENT. LABELS TO BE TYPED. WITH BLACK LETTERING ON WHITE BACKGROUND. HANDWRITTEN LABELING IS NOT ACCEPTABLE.
4. CABLING TO BE BUNDLED WHERE INSTALLED INSIDE THE PANEL. VELCRO BUNDLING IS TO BE USED.
5. ALL CONDUITS INTO THE ENCLOSURE SHALL BE PROVIDED WITH AN INSULATING BUSHING. CONDUITS MISSING A BUSHING WILL REQUIRE ALL WIRING REMOVED AND A BUSHING INSTALLED. INNER SPLIT SLEEVE BUSHINGS ARE NOT ACCEPTABLE.
6. ENCLOSURE LAYOUTS ARE TYPICAL AND NOT MEANT TO IMPLY THAT PANELS SHALL BE CONSTRUCTED AS SHOWN, BUT RATHER TO GIVE GUIDANCE ON THE BASIC LAYOUT REQUIRED. EACH STRUCTURE/ENCLOSURE SHALL BE ADJUSTED FOR DEVICES AND WIRING SHOWN ON THE ONE-LINE DIAGRAMS.
7. SUBMITTALS FOR THE PROJECT SHALL INCLUDE COMPLETE PANEL LAYOUTS, ONE-LINE DIAGRAMS, BILL OF MATERIALS WITH ALL EQUIPMENT LISTED.
8. ADJUST ENCLOSURE SIZES AS REQUIRED.
9. CONTRACTOR SHALL REVIEW SPACING REQUIREMENTS FOR ALL EQUIPMENT/DEVICES INSTALLED IN THE ENCLOSURE.

KEYED NOTES:

1. PROVIDE NEMA 3R HINGED PANEL. MINIMUM 12" W x 12" H x 6" D. PANEL SHALL BE LARGE ENOUGH FOR THE CONTACTORS AND ALL CONDUIT IN/OUT OF THE PANEL. PROVIDE LAMINATED WIRING DIAGRAM ON THE INSIDE DOOR OF THE PANEL. LABEL FRONT OF PANEL WITH A MECHANICALLY ATTACHED LABEL.
2. 120 VOLT LIGHTING CONTACTOR, PROVIDE WITH MINIMUM EIGHT (8) NORMALLY OPEN CONTACTS. PROVIDE WITH 120 VOLT COIL. CONTACTS SHALL BE RATED FOR 30 AMPS AT 120 VOLTS. PROVIDE SCHNEIDER ELECTRIC GENERAL PURPOSE LIGHTING CONTACTOR.
3. 1" WHITE REMOVABLE BACK PLATE.
4. PROVIDE 24 HOUR TIME CLOCK WITH "ON" AND "OFF" RELAY CONTACT. SET "OFF" TIME AS DIRECTED BY OWNER. TIMER SHALL BE RATED FOR 120-VOLT, 20AMPS. TIMER SHALL HAVE A METAL ENCLOSURE WITH DOOR. PROVIDE INTERMATIC ET1100 OR EQUAL. TIME CLOCK SHALL ONLY BE INSTALLED IN "LCP-01W".

1 LIGHTING CONTROL PANEL "LCP-XX" (TYP OF 4)

SCALE: N.T.S.



DETAIL NOTES:

1) REFER TO SCHEDULES ON E602 FOR CONDUCTOR TYPES AND SIZES.
2) PROVIDE 2" OF SAND BETWEEN ALL CONDUITS AND SOIL.
3) MAINTAIN 6" OF CLEARANCE BETWEEN COMMUNICATIONS AND ELECTRICAL CONDUITS.
4) REFER TO CONDUIT STUB UP DETAILS ON SHEET E501 FOR ADDITIONAL REQUIREMENTS.
5) SOIL COMPACTION ABOVE CONDUITS SHALL COMPLY WITH GENERAL PLAN REQUIREMENTS.
6) ORIENTATIONS OF CONDUITS IN TRENCHES ARE SHOWN FOR CLARITY. CONTRACTOR SHALL ORIENT CONDUITS IN EACH TRENCH AS BEST SUITED FOR FIELD CONDITIONS.
7) QUANTITY AND SIZE OF CONDUITS SHOWN IN THIS DETAIL ARE A REPRESENTATION OF THIS SECTION CUT ON PLAN. QUANTITY AND SIZE OF CONDUITS ALONG TRENCH ARE TO VARY.
8) TRENCHES SHALL BE LESS THEN 48" DEEP WHERE POSSIBLE. WHERE REQUIRED TO BE MORE THEN 48" DEEP SHORING SHALL BE PROVIDED.

2 TRENCHES - UNDERGROUND CONDUIT DETAILS

SCALE: N.T.S.

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9-12-2025
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JOB NUMBER: TAP-9901(443)

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ELECTRICAL DETAILS
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
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N:\projects\24-7733-0 City of Odessa - Street Phase 8 Lg\CAD\Files for Mason St\Bid\E507 ELECTRICAL DETAILS

PANELBOARD SCHEDULE: "STP-03E"

RQ	PANELBOARD TYPE				FEEDER ENTRANCE:		PANEL LOCATION:
120/240	VOLTAGE	1	PHASE	X	400 MAIN BREAKER		TOP	MASON ST NORTH ALLEY (EAST)
400	AMP MAIN BUS	3	WIRE		MAIN LUGS	X	BOTTOM	FEEDER CABLE:
3R	NEMA ENCLOSURE		200% NEUT.	X	FEED THRU LUGS	MOUNT:		SEE ONE-LINE DIAGRAM
22,000	RMS SYM. AMPS @	240	VOLTS		SUB-FEED BREAKER	X	SURFACE	SOURCE:
6/12/25	DATE	X	COPPER BUSS	X	SOLID NEUTRAL		FLUSH	UTILITY

POLE #	SERVICE	VA LOAD L1	VA LOAD L2	LOAD TYPE	WIRE SIZE	C.B. TRIP	C.B. POLE	C.B TRIP	C.B POLE	WIRE SIZE	LOAD TYPE	VA LOAD L1	VA LOAD L2	SERVICE	POLE #
1	LTS: A1-5,A3-19	110		L	NOTE 1	20	1	20	1	NOTE 1	R		1440	REC: B1-56,55,54	2
3	LTS: B1-56,55,54,53,12,13,14,15,16,17,18,19,20,21,22		100	L	NOTE 1	20	1	20	1	NOTE 1	R	1440		REC: B1-53,12,13	4
5	REC: A3-19 240V	3600		R	NOTE 1	50	2	20	1	NOTE 1	R		1440	REC: B1-14,15,16	6
7			3600	R				20	1	NOTE 1	R	1440		REC: B1-17,18,19	8
9	REC: A3-19 120V	1440		R	NOTE 1	20	1	20	1	NOTE 1	R		1440	REC: B1-20,21,22	10
11	REC: A3-19 HOLIDAY LTS		720	R	NOTE 1	20	1	20	1	NOTE 1	L	165		LTS: A3-6,7,8	12
13	REC: A1-5 240V	3600		R	NOTE 1	50	2	50	2	NOTE 1	R		3600	REC: A3-6 240V	14
15			3600	R							R	3600			16
17	REC: A1-5 240V	3600		R	NOTE 1	50	2	50	2	NOTE 1	R		3600	REC: A3-7 240V	18
19			3600	R							R	3600			20
21	REC: A1-5 HOLIDAY LTS	720		R	NOTE 1	20	1	50	2	NOTE 1	R		3600	REC: A3-8 240V	22
23	REC: A3-6 120V		1440	R	NOTE 1	20	1				R	3600			24
25	REC: A3-7 120V	1440		R	NOTE 1	20	1	20	1	NOTE 1	R		720	REC: A3-6 HOLIDAY LTS	26
27	REC: A3-8 120V		1440	R	NOTE 1	20	1	20	1	NOTE 1	R	720		REC: A3-7 HOLIDAY LTS	28
29	REC: EQUIPMENT RACK	180		R	#12	20	1	20	1	NOTE 1	R		720	REC: A3-8 HOLIDAY LTS	30
31	SPARE					20	1	20	1					SPARE	32
33	SPARE					20	1	20	1					SPARE	34
35	SPARE					20	1	20	1					SPARE	36
37	SPACE													SPACE	38
39	SPACE													SPACE	40
41	SPACE													SPACE	42
		14690	14500									14565	16560		

CONNECTED VA/PH (LESS FEED THRU & SUB FEED)	L1 - 29255	L2 - 31060	
CONNECTED VA/PH FROM FEED THRU AND SUB FEED	L1 -	L2 -	
TOTAL CONNECTED VA/PH	**L1 - 29255**	**L2 - 31060**	

LOAD TYPE	CODE DEMAND REQUIREMENTS	CONNECTED VA THIS PANEL	CONNECTED VA SUB PNLS	CONNECTED VA TOTAL	DEMAND VA	MIN. CODE VA (1.25 x CONT.)
LIGHTING (NEC 220-11)	100%	375		375	375	469
RECEPTACLES (NEC 220-13)	1st 10,000VA + 1/2 x REMAINING	59940		59940	34970	34970
LARGEST MOTOR (NEC 430-24)	1.25 x LARGEST FLA	0		0	0	0
REMAINING MOTORS (NEC 430-24)	100% REMAINING MOTORS	0		0	0	0
HEATING (NEC 220-15)	100%	0		0	0	0
KITCHEN EQUIPMENT (NEC 220-20)	VARIES (SEE CODE SECTION)	0		0	0	0
WATER HEATER	100%	0		0	0	0
MISC.	100%	0		0	0	0
SPARE	0 x CODE MIN.VA					0
TOTAL LOADS		60315		60315	35345	35439
SIZING LOAD		**148 AMPS**				

NOTES:
1) REFER TO SCHEDULES ON E602 FOR WIRE AND CONDUIT SIZE.

PANELBOARD SCHEDULE: "STP-01W"

RQ	PANELBOARD TYPE				FEEDER ENTRANCE:		PANEL LOCATION:
120/240	VOLTAGE	1	PHASE	X	400 MAIN BREAKER		TOP	MASON ST NORTH ALLEY (WEST)
400	AMP MAIN BUS	3	WIRE		MAIN LUGS	X	BOTTOM	FEEDER CABLE:
3R	NEMA ENCLOSURE		200% NEUT.	X	FEED THRU LUGS	MOUNT:		SEE ONE-LINE DIAGRAM
22,000	RMS SYM. AMPS @	240	VOLTS		SUB-FEED BREAKER	X	SURFACE	SOURCE:
6/12/25	DATE	X	COPPER BUSS	X	SOLID NEUTRAL		FLUSH	UTILITY

POLE #	SERVICE	VA LOAD L1	VA LOAD L2	LOAD TYPE	WIRE SIZE	C.B. TRIP	C.B. POLE	C.B TRIP	C.B POLE	WIRE SIZE	LOAD TYPE	VA LOAD L1	VA LOAD L2	SERVICE	POLE #
1	LTS: A2-1, A3-17	110		L	NOTE 1	20	1	20	1	NOTE 1	R		1440	REC: B1-48,47,46	2
3	LTS: B1-48,47,46,45,1,2,3,4,5,6,7,8,9,10,11		180	L	NOTE 1	20	1	20	1	NOTE 1	R	1440		REC: B1-45,1,2	4
5	REC: A3-17 240V	3600		R	NOTE 1	50	2	20	1	NOTE 1	R		1440	REC: B1-3,4,5	6
7			3600	R				20	1	NOTE 1	R	1440		REC: B1-6,7,8	8
9	REC: A3-17 120V	1440		R	NOTE 1	20	1	20	1	NOTE 1	R		1440	REC: B1-9,10,11	10
11	REC: A3-17 HOLIDAY LTS		720	R	NOTE 1	20	1	20	1	NOTE 1	L	165		LTS: A3-2,3,4	12
13	REC: A2-1 240V	3600		R	NOTE 1	50	2	50	2	NOTE 1	R		3600	REC: A3-2 240V	14
15			3600	R							R	3600			16
17	REC: A2-1 240V	3600		R	NOTE 1	50	2	50	2	NOTE 1	R		3600	REC: A3-3 240V	18
19			3600	R							R	3600			20
21	REC: A2-1 HOLIDAY LTS	720		R	NOTE 1	20	1	50	2	NOTE 1	R		3600	REC: A3-4 240V	22
23	REC: A3-2 120V		1440	R	NOTE 1	20	1				R	3600			24
25	REC: A3-3 120V	1440		R	NOTE 1	20	1	20	1	NOTE 1	R		720	REC: A3-2 HOLIDAY LTS	26
27	REC: A3-4 120V		1440	R	NOTE 1	20	1	20	1	NOTE 1	R	720		REC: A3-3 HOLIDAY LTS	28
29	REC: EQUIPMENT RACK			R	#12	20	1	20	1	NOTE 1	R		720	REC: A3-4 HOLIDAY LTS	30
31	SPARE					20	1	20	1	#8	MI	60		LIGHTING CNTRL PNL CIRCUIT	32
33	SPARE					20	1	20	1					SPARE	34
35	SPARE					20	1	20	1					SPARE	36
37	SPACE													SPACE	38
39	SPACE													SPACE	40
41	SPACE													SPACE	42
		14510	14580									14625	16560		

CONNECTED VA/PH (LESS FEED THRU & SUB FEED)	L1 - 29135	L2 - 31140	
CONNECTED VA/PH FROM FEED THRU AND SUB FEED	L1 -	L2 -	
TOTAL CONNECTED VA/PH	**L1 - 29135**	**L2 - 31140**	

LOAD TYPE	CODE DEMAND REQUIREMENTS	CONNECTED VA THIS PANEL	CONNECTED VA SUB PNLS	CONNECTED VA TOTAL	DEMAND VA	MIN. CODE VA (1.25 x CONT.)
LIGHTING (NEC 220-11)	100%	455		455	455	569
RECEPTACLES (NEC 220-13)	1st 10,000VA + 1/2 x REMAINING	59760		59760	34880	34880
LARGEST MOTOR (NEC 430-24)	1.25 x LARGEST FLA	0		0	0	0
REMAINING MOTORS (NEC 430-24)	100% REMAINING MOTORS	0		0	0	0
HEATING (NEC 220-15)	100%	0		0	0	0
KITCHEN EQUIPMENT (NEC 220-20)	VARIES (SEE CODE SECTION)	0		0	0	0
WATER HEATER	100%	0		0	0	0
MISC.	100%	60		60	60	60
SPARE	0 x CODE MIN.VA					0
TOTAL LOADS		60275		60275	35395	35509
SIZING LOAD		**148 AMPS**				

NOTES:
1) REFER TO SCHEDULES ON E602 FOR WIRE AND CONDUIT SIZE.

PANELBOARD SCHEDULE: "STP-04E"

RQ	PANELBOARD TYPE				FEEDER ENTRANCE:		PANEL LOCATION:
120/240	VOLTAGE	1	PHASE	X	400 MAIN BREAKER		TOP	MASON ST SOUTH ALLEY (EAST)
400	AMP MAIN BUS	3	WIRE		MAIN LUGS	X	BOTTOM	FEEDER CABLE:
3R	NEMA ENCLOSURE		200% NEUT.	X	FEED THRU LUGS	MOUNT:		SEE ONE-LINE DIAGRAM
22,000	RMS SYM. AMPS @	240	VOLTS		SUB-FEED BREAKER	X	SURFACE	SOURCE:
5/8/25	DATE	X	COPPER BUSS	X	SOLID NEUTRAL		FLUSH	UTILITY

POLE #	SERVICE	VA LOAD L1	VA LOAD L2	LOAD TYPE	WIRE SIZE	C.B. TRIP	C.B. POLE	C.B TRIP	C.B POLE	WIRE SIZE	LOAD TYPE	VA LOAD L1	VA LOAD L2	SERVICE	POLE #
1	LTS: A2-13,A3-20	110		L	NOTE 1	20	1	20	1	NOTE 1	R		1440	REC: B1-60,59,58	2
3	LTS: B1-60,59,58,57,34,35,36,37,38,39,40,41,42,43,44		100	L	NOTE 1	20	1	20	1	NOTE 1	R	1440		REC: B1-57,34,35	4
5	REC: A3-20 240V	3600		R	NOTE 1	50	2	20	1	NOTE 1	R		1440	REC: B1-36,37,38	6
7			3600	R				20	1	NOTE 1	R	1440		REC: B1-39,40,41	8
9	REC: A3-20 120V	1440		R	NOTE 1	20	1	20	1	NOTE 1	R		1440	REC: B1-42,43,44	10
11	REC: A3-20 HOLIDAY LTS		720	R	NOTE 1	20	1	20	1	NOTE 1	L	165		LTS: A3-14,15,16	12
13	REC: A2-13 240V	3600		R	NOTE 1	50	2	50	2	NOTE 1	R		3600	REC: A3-14 240V	14
15			3600	R							R	3600			16
17	REC: A2-13 240V	3600		R	NOTE 1	50	2	50	2	NOTE 1	R		3600	REC: A3-15 240V	18
19			3600	R							R	3600			20
21	REC: A2-13 HOLIDAY LTS	720		R	NOTE 1	20	1	50	2	NOTE 1	R		3600	REC: A3-16 240V	22
23	REC: A3-14 120V		1440	R	NOTE 1	20	1				R	3600			24
25	REC: A3-15 120V	1440		R	NOTE 1	20	1	20	1	NOTE 1	R		720	REC: A3-14 HOLIDAY LTS	26
27	REC: A3-16 120V		1440	R	NOTE 1	20	1	20	1	NOTE 1	R	720		REC: A3-15 HOLIDAY LTS	28
29	REC: EQUIPMENT RACK	180		R	#12	20	1	20	1	NOTE 1	R		720	REC: A3-16 HOLIDAY LTS	30
31	SPARE					20	1	20	1					SPARE	32
33	SPARE					20	1	20	1					SPARE	34
35	SPARE					20	1	20	1					SPARE	36
37	SPACE													SPACE	38
39	SPACE													SPACE	40
41	SPACE													SPACE	42
		14690	14500									14565	16560		

CONNECTED VA/PH (LESS FEED THRU & SUB FEED)	L1 - 29255	L2 - 31060	
CONNECTED VA/PH FROM FEED THRU AND SUB FEED	L1 -	L2 -	
TOTAL CONNECTED VA/PH	**L1 - 29255**	**L2 - 31060**	

LOAD TYPE	CODE DEMAND REQUIREMENTS	CONNECTED VA THIS PANEL	CONNECTED VA SUB PNLS	CONNECTED VA TOTAL	DEMAND VA	MIN. CODE VA (1.25 x CONT.)
LIGHTING (NEC 220-11)	100%	375		375	375	469
RECEPTACLES (NEC 220-13)	1st 10,000VA + 1/2 x REMAINING	59940		59940	34970	34970
LARGEST MOTOR (NEC 430-24)	1.25 x LARGEST FLA	0		0	0	0
REMAINING MOTORS (NEC 430-24)	100% REMAINING MOTORS	0		0	0	0
HEATING (NEC 220-15)	100%	0		0	0	0
KITCHEN EQUIPMENT (NEC 220-20)	VARIES (SEE CODE SECTION)	0		0	0	0
WATER HEATER	100%	0		0	0	0
MISC.	100%	0		0	0	0
SPARE	0 x CODE MIN.VA					0
TOTAL LOADS		60315		60315	35345	35439
SIZING LOAD		**148 AMPS**				

NOTES:
1) REFER TO SCHEDULES ON E602 FOR WIRE AND CONDUIT SIZE.

PANELBOARD SCHEDULE: "STP-02W"

RQ	PANELBOARD TYPE				FEEDER ENTRANCE:		PANEL LOCATION:
120/240	VOLTAGE	1	PHASE	X	400 MAIN BREAKER		TOP	MASON ST SOUTH ALLEY (WEST)
400	AMP MAIN BUS	3	WIRE		MAIN LUGS	X	BOTTOM	FEEDER CABLE:
3R	NEMA ENCLOSURE		200% NEUT.	X	FEED THRU LUGS	MOUNT:		SEE ONE-LINE DIAGRAM
22,000	RMS SYM. AMPS @	240	VOLTS		SUB-FEED BREAKER	X	SURFACE	SOURCE:
6/12/25	DATE	X	COPPER BUSS	X	SOLID NEUTRAL		FLUSH	UTILITY

POLE #	SERVICE	VA LOAD L1	VA LOAD L2	LOAD TYPE	WIRE SIZE	C.B. TRIP	C.B. POLE	C.B TRIP	C.B POLE	WIRE SIZE	LOAD TYPE	VA LOAD L1	VA LOAD L2	SERVICE	POLE #
1	LTS: A1-9, A3-18	110		L	NOTE 1	20	1	20	1	NOTE 1	R		1440	REC: B1-52,51,50	2
3	LTS: B1-52,51,50,49,23,24,25,26,27,28,29,30,31,32,33		180	L	NOTE 1	20	1	20	1	NOTE 1	R	1440		REC: B1-49,23,24	4
5	REC: A3-18 240V	3600		R	NOTE 1	50	2	20	1	NOTE 1	R		1440	REC: B1-25,26,27	6
7			3600	R				20	1	NOTE 1	R	1440		REC: B1-28,29,30	8
9	REC: A3-18 120V	1440		R	NOTE 1	20	1	20	1	NOTE 1	R		1440	REC: B1-31,32,33	10
11	REC: A3-18 HOLIDAY LTS		720	R	NOTE 1	20	1	20	1	NOTE 1	L	165		LTS: A3-10,11,12	12
13	REC: A1-9 240V	3600		R	NOTE 1	50	2	50	2	NOTE 1	R		3600	REC: A3-10 240V	14
15			3600	R							R	3600			16
17	REC: A1-9 240V	3600		R	NOTE 1	50	2	50	2	NOTE 1	R		3600	REC: A3-11 240V	18
19			3600	R							R	3600			20
21	REC: A1-9 HOLIDAY LTS	720		R	NOTE 1	20	1	50	2	NOTE 1	R		3600	REC: A3-12 240V	22
23	REC: A3-10 120V		1440	R	NOTE 1	20	1				R	3600			24
25	REC: A3-11 120V	1440		R	NOTE 1	20	1	20	1	NOTE 1	R		720	REC: A3-10 HOLIDAY LTS	26
27	REC: A3-12 120V		1440	R	NOTE 1	20	1	20	1	NOTE 1	R	720		REC: A3-11 HOLIDAY LTS	28
29	REC: EQUIPMENT RACK	180		R	#12	20	1	20	1	NOTE 1	R		720	REC: A3-12 HOLIDAY LTS	30
31	SPARE					20	1	20	1					SPARE	32
33	SPARE					20	1	20	1					SPARE	34
35	SPARE					20	1	20	1					SPARE	36
37	SPACE													SPACE	38
39	SPACE													SPACE	40
41	SPACE													SPACE	42
		14690	14580									14565	16560		

CONNECTED VA/PH (LESS FEED THRU & SUB FEED)	L1 - 29255	L2 - 31140	
CONNECTED VA/PH FROM FEED THRU AND SUB FEED	L1 -	L2 -	
TOTAL CONNECTED VA/PH	**L1 - 29255**	**L2 - 31140**	

LOAD TYPE	CODE DEMAND REQUIREMENTS	CONNECTED VA THIS PANEL	CONNECTED VA SUB PNLS	CONNECTED VA TOTAL	DEMAND VA	MIN. CODE VA (1.25 x CONT.)
LIGHTING (NEC 220-11)	100%	455		455	455	569
RECEPTACLES (NEC 220-13)	1st 10,000VA + 1/2 x REMAINING	59940		59940	34970	34970
LARGEST MOTOR (NEC 430-24)	1.25 x LARGEST FLA	0		0	0	0
REMAINING MOTORS (NEC 430-24)	100% REMAINING MOTORS	0		0	0	0
HEATING (NEC 220-15)	100%	0		0	0	0
KITCHEN EQUIPMENT (NEC 220-20)	VARIES (SEE CODE SECTION)	0		0	0	0
WATER HEATER	100%	0		0	0	0
MISC.	100%	0		0	0	0
SPARE	0 x CODE MIN.VA					0
TOTAL LOADS		60395		60395	35425	35539
SIZING LOAD		**148 AMPS**				

NOTES:
1) REFER TO SCHEDULES ON E602 FOR WIRE AND CONDUIT SIZE.

ANDERSON ENGINEERING
EMPLOYEE OWNED
ENGINEERS • SURVEYORS • LABORATORIES • DRILLING
941 W. 141ST TERRACE • OLATHE, KANSAS 66061 • PHONE (816) 777-0400
ANDERSON ENGINEERING COA# 000562

STATE OF MISSOURI
CURTIS L. BRUNGARDT
9-12-2025
NUMBER PE-2003016693
PROFESSIONAL ENGINEER

DRAWING INFO.
FIELD BY:
DRAWN BY: AJS
CHECK BY: JGR
DATE: 09/12/25
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
	REVISIONS		

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ELECTRICAL SCHEDULES
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E601

MEP ENGINEER:
InSite Group
DEDICATION. DESIRE. INTEGRITY.
3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064
(816) 228-3377 | www.InSiteGroup.net

ISO PROJECT NUMBER: 24-7733-0
MO COA 2003005563 - Curtis L. Brungardt, P.E. 2003016693

N:\projects\24-7733-0 City of Odessa - Street Power & Light\CAD\Plans for Mason\Bid\pdf\E601 ELECTRICAL SCHEDULES

LIGHTING LOCATIONS AND POWER REQUIREMENTS

FIXTURE TYPE-NUMBER	QUANTITY	CONDUIT SIZE	WIRE	DESCRIPTION	STATION LOCATION (REFER TO CIVIL)	LT/RT
A2-1 - 50A RECEPTACLE	2	2"	2 SETS - (3) #6, (1) #10G	LIGHT POLE	54+50.34	LT
A2-1 - LIGHTING CIRCUIT	1	3/4"	(2) #12, (1) #12G			
A2-1 - HOLIDAY LIGHTS	1	3/4"	(2) #10, (1) #10G			
A2-1 - SPEAKER/CAMERA	1	1"	-			
A1-5 - 50A RECEPTACLE	2	2"	2 SETS - (3) #6, (1) #10G	LIGHT POLE	55+03.34	LT
A1-5 - LIGHTING CIRCUIT	1	3/4"	(2) #12, (1) #12G			
A1-5 - HOLIDAY LIGHTS	1	3/4"	(2) #10, (1) #10G			
A1-5 - SPEAKER/CAMERA	1	1"	-			
A1-9 - 50A RECEPTACLE	2	2"	2 SETS - (3) #6, (1) #10G	LIGHT POLE	54+50.24	RT
A1-9 - LIGHTING CIRCUIT	1	3/4"	(2) #12, (1) #12G			
A1-9 - HOLIDAY LIGHTS	1	3/4"	(2) #10, (1) #10G			
A1-9 - SPEAKER/CAMERA	1	1"	-			
A2-13 - 50A RECEPTACLE	2	2"	2 SETS - (3) #6, (1) #10G	LIGHT POLE	55+03.24	RT
A2-13 - LIGHTING CIRCUIT	1	3/4"	(2) #12, (1) #12G			
A2-13 - HOLIDAY LIGHTS	1	3/4"	(2) #10, (1) #10G			
A2-13 - SPEAKER/CAMERA	1	1"	-			
A3-17 - 50A RECEPTACLE	1	1-1/2"	(3) #6, (1) #10G	LIGHT POLE	53+25.34	LT
A3-17 - 20A RECEPTACLE	1		(2) #12, (1) #12G			
A3-17 - LIGHTING CIRCUIT	1	3/4"	(2) #12, (1) #12G			
A3-17 - HOLIDAY LIGHTS	1	3/4"	(2) #12, (1) #12G			
A3-17 - SPEAKER/CAMERA	1	1"	-			
A3-18 - 50A RECEPTACLE	1	1-1/2"	(3) #6, (1) #10G	LIGHT POLE	53+25.34	RT
A3-18 - 20A RECEPTACLE	1		(2) #12, (1) #12G			
A3-18 - LIGHTING CIRCUIT	1	3/4"	(2) #12, (1) #12G			
A3-18 - HOLIDAY LIGHTS	1	3/4"	(2) #12, (1) #12G			
A3-18 - SPEAKER/CAMERA	1	1"	-			
A3-19 - 50A RECEPTACLE	1	1-1/2"	(3) #6, (1) #10G	LIGHT POLE	56+28.34	LT
A3-19 - 20A RECEPTACLE	1		(2) #12, (1) #12G			
A3-19 - LIGHTING CIRCUIT	1	3/4"	(2) #12, (1) #12G			
A3-19 - HOLIDAY LIGHTS	1	3/4"	(2) #12, (1) #12G			
A3-19 - SPEAKER/CAMERA	1	1"	-			
A3-20 - 50A RECEPTACLE	1	1-1/2"	(3) #6, (1) #10G	LIGHT POLE	56+28.34	RT
A3-20 - 20A RECEPTACLE	1		(2) #12, (1) #12G			
A3-20 - LIGHTING CIRCUIT	1	3/4"	(2) #12, (1) #12G			
A3-20 - HOLIDAY LIGHTS	1	3/4"	(2) #12, (1) #12G			
A3-20 - SPEAKER/CAMERA	1	1"	-			

BOLLARD LOCATIONS AND POWER REQUIREMENTS

FIXTURE TYPE-NUMBER	QUANTITY	CONDUIT SIZE	WIRE	DESCRIPTION	STATION LOCATION (REFER TO CIVIL)	LT/RT
B1-45 - 20A RECEPTACLE	1	1"	(2) #6, (1) #6G	BOLLARD	54+25.34	LT
B1-46 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	54+00.34	LT
B1-47 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	53+75.34	LT
B1-48 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	53+50.34	LT
B1-49 - 20A RECEPTACLE	1	1"	(2) #6, (1) #6G	BOLLARD	54+25.34	RT
B1-50 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	54+00.34	RT
B1-51 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	53+75.34	RT
B1-52 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	53+50.34	RT
B1-53 - 20A RECEPTACLE	1	1"	(2) #6, (1) #6G	BOLLARD	55+28.34	LT
B1-54 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	55+53.34	LT
B1-55 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	55+78.34	LT
B1-56 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	56+03.34	LT
B1-57 - 20A RECEPTACLE	1	1"	(2) #6, (1) #6G	BOLLARD	55+28.34	RT
B1-58 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	55+53.34	RT
B1-59 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	55+78.34	RT
B1-60 - 20A RECEPTACLE	1	1"	(2) #8, (1) #8G	BOLLARD	56+03.34	RT

BOLLARD LOCATIONS AND LIGHTING REQUIREMENTS

FIXTURE TYPE-NUMBER	QUANTITY	CONDUIT SIZE	WIRE	DESCRIPTION	STATION LOCATION (REFER TO CIVIL)	LT/RT
B1-45	1	3/4"	(2) #10, (1) #10G	BOLLARD	54+25.34	LT
B1-46	1	3/4"	(2) #10, (1) #10G	BOLLARD	54+00.34	LT
B1-47	1	3/4"	(2) #10, (1) #10G	BOLLARD	53+75.34	LT
B1-48	1	3/4"	(2) #10, (1) #10G	BOLLARD	53+50.34	LT
B1-49	1	3/4"	(2) #10, (1) #10G	BOLLARD	54+25.34	RT
B1-50	1	3/4"	(2) #10, (1) #10G	BOLLARD	54+00.34	RT
B1-51	1	3/4"	(2) #10, (1) #10G	BOLLARD	53+75.34	RT
B1-52	1	3/4"	(2) #10, (1) #10G	BOLLARD	53+50.34	RT
B1-53	1	3/4"	(2) #10, (1) #10G	BOLLARD	55+28.34	LT
B1-54	1	3/4"	(2) #10, (1) #10G	BOLLARD	55+53.34	LT
B1-55	1	3/4"	(2) #10, (1) #10G	BOLLARD	55+78.34	LT
B1-56	1	3/4"	(2) #10, (1) #10G	BOLLARD	56+03.34	LT
B1-57	1	3/4"	(2) #10, (1) #10G	BOLLARD	55+28.34	RT
B1-58	1	3/4"	(2) #10, (1) #10G	BOLLARD	55+53.34	RT
B1-59	1	3/4"	(2) #10, (1) #10G	BOLLARD	55+78.34	RT
B1-60	1	3/4"	(2) #10, (1) #10G	BOLLARD	56+03.34	RT

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ISG PROJECT NUMBER: 24-7733-0
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ELECTRICAL SCHEDULES

MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E602

N:\Projects\24-7733-0 City of Odessa - Street Power & Light\Civil\Plans for Mason St\[05555] E601 ELECTRICAL SCHEDULES

ODESSA STREET IMPROVEMENTS
EQUIPMENT RESPONSIBILITY SCHEDULE (NOTE 11)

DESCRIPTION	QUANTITY	FURNISHED	INSTALLED	PROVIDED UNDER 2ND STREET PROJECT	PROVIDED UNDER MASON STREET PROJECT	NOTES
ELECTRICAL DISTRIBUTION EQUIPMENT						
UTILITY TRANSFORMERS	4	UTILITY	UTILITY		X	1
UTILITY METER	4	UTILITY	CONTRACTOR		X	2
UTILITY METER ENCLOSURE	4	CONTRACTOR	CONTRACTOR		X	3
PANELBOARD "STP-01W"	1	CONTRACTOR	CONTRACTOR		X	
PANELBOARD "STP-02W"	1	CONTRACTOR	CONTRACTOR		X	
PANELBOARD "STP-03E"	1	CONTRACTOR	CONTRACTOR		X	
PANELBOARD "STP-04E"	1	CONTRACTOR	CONTRACTOR		X	
ELECTRICAL EQUIPMENT RACK (STRUT, POST, CONCRETE, FITTINGS, ETC.)	ALL	CONTRACTOR	CONTRACTOR		X	4
GROUNDING SYSTEMS (RODS, CLAMPS, CONDUCTORS)	ALL	CONTRACTOR	CONTRACTOR		X	5
DISTRIBUTION EQUIPMENT CONDUIT/CONDUCTORS	ALL	CONTRACTOR	CONTRACTOR		X	6
ELECTRICAL EQUIPMENT						
LIGHTING CONTROL PANEL "LCP-01W"	1	CONTRACTOR	CONTRACTOR		X	
LIGHTING CONTROL PANEL "LCP-02W"	1	CONTRACTOR	CONTRACTOR		X	
LIGHTING CONTROL PANEL "LCP-03E"	1	CONTRACTOR	CONTRACTOR		X	
LIGHTING CONTROL PANEL "LCP-04E"	1	CONTRACTOR	CONTRACTOR		X	
CONDUIT BODIES AND FITTINGS FOR ELECTRICAL EQUIPMENT	ALL	CONTRACTOR	CONTRACTOR		X	7
ABOVE-GRADE ELECTRICAL JUNCTION BOXES AND ENCLOSURES	ALL	CONTRACTOR	CONTRACTOR		X	7
BRANCH CIRCUITS						
LIGHTING CONDUITS	ALL	CONTRACTOR	CONTRACTOR	X	X	8
POWER CONDUITS	ALL	CONTRACTOR	CONTRACTOR	X	X	8
IN-GRADE JUNCTION BOXES	ALL	CONTRACTOR	CONTRACTOR	X	X	8
LIGHTING CONDUCTORS	ALL	OWNER	OWNER			9
POWER CONDUCTORS	ALL	OWNER	OWNER			9
TERMINATIONS OF CONDUCTORS	ALL	OWNER	OWNER			9
LIGHTING FIXTURES						
POLE LIGHTS	ALL	OWNER	OWNER			
POLE LIGHT CONCRETE BASES	ALL	CONTRACTOR	CONTRACTOR	X	X	10
BOLLARDS	ALL	OWNER	OWNER			
BOLLARD CONCRETE BASES	ALL	CONTRACTOR	CONTRACTOR	X	X	10

UTILITY = OWNER OF THE OVERHEAD OR UNDERGROUND ELECTRICAL DISTRIBUTION SYSTEM RATED 4,160 VOLTS OR MORE.

CONTRACTOR = GENERAL CONTRACTOR OR ANY OF THEIR SUB-CONTRACTORS.
OWNER = CITY OF ODESSA OR CITY STAFF (NOT THE CONTRACTOR)

FURNISHED = PARTY RESPONSIBLE OF PURCHASING THE PRODUCT. INCLUDES PROCUREMENT, STORING, PURCHASING, INSURING, AND WARRANTYS.

INSTALLED = PARTY RESPONSIBLE FOR PHYSICALLY INSTALLING AND TERMINATING THE FURNISHED PRODUCT.

NOTES:

1) THE UTILITY TRANSFORMER AND ASSOCIATED EQUIPMENT SHALL BE INSTALLED BY THE UTILITY COMPANY.

2) UTILITY METER SHALL BE FURNISHED BY THE UTILITY COMPANY AND INSTALLED BY THE CONTRACTOR.

3) CONTRACTOR SHALL COORDINATE THE METER ENCLOSURE REQUIREMENTS WITH THE UTILITY COMPANY.

4) EQUIPMENT RACK SHALL INCLUDE ALL UNISTRUT, POST, FITTINGS, HARDWARE, POST SEALANT, CONCRETE BASE, REINFORCING STEEL, ETC.

5) CONTRACTOR SHALL FURNISH AND INSTALL THE GROUND RODS, CONDUCTORS, TERMINATIONS, AND TEST THE RODS FOR IMPEDENCE.

6) CONDUIT AND CONDUCTORS INCLUDE ALL CONDUITS AND CONDUCTORS SHOWN ON THE ONE-LINE DIAGRAMS AND ALL ASSOCIATED TESTING OF THOSE CONDUCTORS.

7) CONDUIT BODIES, JUNCTION BOXES, AND ALL COMPONENTS INSTALLED ON THE RACK. LABELING OF CONTROL CIRCUITS BY THE CONTRACTOR. COIL AND PHOTOCELL AND WIRING TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR. OWNER WILL TERMINATE ON THE CONTACTOR WITH BRANCH CIRCUITS AND BE RESPONSIBLE FOR LABELING THOSE CONDUCTORS.

8) FURNISHING AND INSTALLING CONDUITS SHALL BE DONE BY THE CONTRACTOR. THIS INCLUDES TRENCHING, ROUTING, LAYOUT, TERMINATING CONDUITS AT EQUIPMENT, SEALINGS, LABELING, ETC. CONDUITS INCLUDE ALL BODIES, FITTINGS, SUPPORTS, HANGERS, STRUT, AND OTHER PRODUCTS FOR A COMPLETE RACEWAT SYSTEM TO ROUTE CONDUCTORS IN. CONTRACTOR SHALL PROVIDE PULL STRINGS IN ALL RACEWAYS. LABEL ALL PULL STRINGS. PROVIDE SEPARATE PULLSTRING FOR EACH RACEWAY. PULL-STRING SHALL BE RATED FOR MINIMUM 200LB TENSILE STRENGTH. CONTRACTOR SHALL PULL A SWAB THROUGH EACH RACEWAY TO VERIFY INTEGRITY OF CONDUIT AFTER CONCEALMENT AND PRIOR TO OWNER PULLING CONDUCTORS. FIX OR REPLACE ANY DAMAGED CONDUIT.

9) OWNER WILL INSTALL ALL BRANCH CIRCUITING FROM THE PANELBOARD AND LIGHTING CONTACTOR. OWNER WILL FURNISH ALL CONDUCTORS, PULL THE CONDUCTORS, TERMINATE THE CONDUCTORS, AND LABEL CONDUCTORS.

10) BASE INCLUDES FORMING, CONCRETE, REINFORCING STEEL, AND ACNHOR BOLTS FOR LIGHTING. OWNER SHALL PROVIDE THE LIGHTING SUPPORT TEMPLATES AND ANCHOR BOLTS.

11) NO ATTEMPT HAS BEEN MADE TO IDENTIFY EVERY PIECE OF EQUIPMENT OR DEVICE IN THIS SCHEDULE. THIS SCHEDULE IS FOR ALL MAJOR EQUIPMENT AND FOR CLARIFICATION OF WHO PROVIDES AND INSTALLS THE EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL EQUIPMENT AND DEVICES PER REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS. ALL EQUIPMENT AND DEVICES SHALL COMPLY WITH ALL CITY, STATE, AND FEDERAL BUILDING CODES.

LIGHT FIXTURE SCHEDULE (LIGHT POLES AND BOLLARDS PROVIDED AND INSTALLED BY OWNER)

FIXTURE DESIGNATION	FIXTURE DESCRIPTION	QTY (NOTE 4)	LAMPS		FINISH	FIXTURE VOLTAGE	FIXTURE WATTAGE	MANUFACTURER	CATALOG NO.	NOTES
			TYPE	CODE						
"A1"	ROADWAY LED LUMINAIRE.	2	LED	4000K	BLACK	120	51	HOLOPHANE	GSLF3-P20-40K-MVOLT-ASY-ARM-BK-PCLL	1,2
"A2"	ROADWAY LED LUMINAIRE.	2	LED	4000K	BLACK	120	51	HOLOPHANE	GSLF3-P20-40K-MVOLT-ASY-ARM-BK-PCLL	1,2
"A3"	ROADWAY LED LUMINAIRE.	16	LED	4000K	BLACK	120	51	HOLOPHANE	GSLF3-P20-40K-MVOLT-ASY-ARM-BK-PCLL	1,2
"A1 & A2 - POLE"	26' TALL, 15.5" BASE SHAFT TAPERED STEEL POLE.	4	-	-	BLACK	-	-	HOLOPHANE	AORTS-26-15.5-3T5-EB-BK-FST	1
"A3 - POLE"	26' TALL, 11" BASE SHAFT TAPERED STEEL POLE.	16	-	-	BLACK	-	-	HOLOPHANE	AORTS-26-11-3T5-EB-BK-FST	1
POLE ARM	ROADWAY LIGHT FIXTURE POLE ARM.	20	-	-	BLACK	-	-	HOLOPHANE	BHC-72-1A-TN-CDX-BK	1
"B1"	DECORATIVE LED BOLLARD.	60	LED	4000K	BLACK	120	12	HOLOPHANE	HLBOLED-CA-P10-40K-120-GL3-ACS-BK-FGE	1

NOTES:

1. PROVIDE ALL REQUIRED HARDWARE FOR A COMPLETE INSTALLATION.
2. PROVIDE FIXTURE WITH INTEGRAL PHOTO CELL SENSOR. LUMINAIRE TO TURN-ON WHEN LIGHTING LEVELS ARE BELOW 3 FOOT-CANDLES AND TURN-OFF WHEN ABOVE 3 FOOT-CANDLES.
3. APPROVED EQUALS ARE ACCEPTABLE. CONTRACTOR SHALL GAIN APPROVAL FROM ENGINEER PRIOR TO BID. TO BE CONSIDERED, MANUFACTURER SHALL INCLUDE PROJECT SPECIFIC CUT-SHEETS, DRAWINGS, AND DESIGN CALCULATIONS. TYPICAL BROCHURE AND/OR TYPICAL PRODUCT DATA CUT-SHEETS WILL NOT BE REVIEWED OR CONSIDERED. REQUIREMENTS ARE NOTED WITHIN THE DRAWINGS.
4. LIGHT FIXTURE QUANTITIES SHOWN ARE TYPICAL BETWEEN THE SECOND STREET AND MASON STREET PROJECT.

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9-12-2025
NUMBER PE-2003016693
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REVISIONS

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ELECTRICAL SCHEDULES
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E603

N:\projects\24-7733-0 City of Odessa - Street Power & Lig\CAD\Plans for Mason Sq\dwg\E601 ELECTRICAL SCHEDULES

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ISG PROJECT NUMBER: 24-7733-0
MO COA 2003005563 - Curtis L. Brungardt, P.E. 2003016693

CONDUIT/CONDUCTOR MATERIAL SCHEDULE FOR PANELBOARD "STP-02W"

CIRCUIT #	SERVICE	CONDUIT SIZE (IN)	CONDUIT LENGTH (FT)	CONDUCTOR SIZE	# OF CONDUCTORS	CONDUCTOR LENGTH (FT)	TOTAL CONDUCTOR LENGTH (FT)
1	LTS: A1-9, A3-18	0.75	215	#12	3	290	870
3	LTS: B1-52,51,50,49,23,24,25,26,27,28,29,30,31,32,33	0.75	730	#10	3	805	2415
5	REC: A3-18 240V	1.5	80	#6	3	90	270
7				#10	1		90
9	REC: A3-18 120V			#12	3	90	270
11	REC: A3-18 HOLIDAY LTS	0.75	80	#12	3	100	300
13	REC: A1-9 240V	2	205	#6	3	215	645
15				#10	1		215
17	REC: A1-9 240V			#6	3	215	645
19				#10	1		215
21	REC: A1-9 HOLIDAY LTS	0.75	205	#10	3	225	675
23	REC: A3-10 120V	NOTE 1	NOTE 1	#4	3	335	1005
25	REC: A3-11 120V	NOTE 1	NOTE 1	#4	3	450	1350
27	REC: A3-12 120V	NOTE 1	NOTE 1	#3	3	595	1785
29	REC: EQUIPMENT RACK	-	-	-	-	-	-
31	SPARE	-	-	-	-	-	-
33	SPARE	-	-	-	-	-	-
35	SPARE	-	-	-	-	-	-
37	SPACE	-	-	-	-	-	-
39	SPACE	-	-	-	-	-	-
41	SPACE	-	-	-	-	-	-
2	REC: B1-52,51,50	1	180	#8	3	205	615
4	REC: B1-49,23,24	1	270	#6	3	295	885
6	REC: B1-25,26,27	1.5	340	#4	3	365	1095
8	REC: B1-28,29,30	1.5	440	#4	3	465	1395
10	REC: B1-31,32,33	1.5	590	#3	3	615	1845
12	LTS: A3-10,11,12	0.75	605	#10	3	730	2190
14	REC: A3-10 240V	2	325	#4	3	335	1005
16				#6	1		335
18	REC: A3-11 240V	2	440	#3	3	450	1350
20				#6	1		450
22	REC: A3-12 240V	2	585	#2	3	595	1785
24				#4	1		595
26	REC: A3-10 HOLIDAY LTS	1	325	#8	3	345	1035
28	REC: A3-11 HOLIDAY LTS	1	440	#6	3	460	1380
30	REC: A3-12 HOLIDAY LTS	1	585	#6	3	605	1815
32	SPARE	-	-	-	-	-	-
34	SPARE	-	-	-	-	-	-
36	SPARE	-	-	-	-	-	-
38	SPACE	-	-	-	-	-	-
40	SPACE	-	-	-	-	-	-
42	SPACE	-	-	-	-	-	-

NOTES:
1) THESE CIRCUITS ARE TO BE ROUTED IN A COMMON CONDUIT. REFER TO THE ELECTRICAL SCHEDULES FOR ADDITIONAL INFORMATION.
2) THE VALUES REPRESENTED IN THE TABLE ABOVE ARE TO BE USED AS AN ESTIMATE ONLY. CONTRACTOR SHALL PROVIDE ALL REQUIRED MATERIALS.
3) CONTRACTOR TO ESTIMATE QUANTITIES OF ALL CONDUIT FITTINGS, HANGERS, PULL BOXES, ETC.

"STP-02W"			
TOTAL CONDUIT		TOTAL CONDUCTORS	
SIZE	LENGTH (FT)	SIZE	LENGTH (FT)
3/4"	1835	#12	1440
1"	1800	#10	5800
1-1/2"	1450	#8	1650
2"	1555	#6	6425
		#4	6445
		#3	4980
		#2	1785

CONDUIT/CONDUCTOR MATERIAL SCHEDULE FOR PANELBOARD "STP-01W"

CIRCUIT #	SERVICE	CONDUIT SIZE (IN)	CONDUIT LENGTH (FT)	CONDUCTOR SIZE	# OF CONDUCTORS	CONDUCTOR LENGTH (FT)	TOTAL CONDUCTOR LENGTH (FT)
1	LTS: A2-1, A3-17	0.75	220	#12	3	295	885
3	LTS: B1-48,47,46,45,1,2,3,4,5,6,7,8,9,10,11	0.75	715	#10	3	790	2370
5	REC: A3-17 240V	1.5	75	#6	3	85	255
7				#10	1		85
9	REC: A3-17 120V			#12	3	85	255
11	REC: A3-17 HOLIDAY LTS	0.75	75	#12	3	95	285
13	REC: A2-1 240V	2	200	#6	3	210	630
15				#10	1		210
17	REC: A2-1 240V			#6	3	210	630
19				#10	1		210
21	REC: A2-1 HOLIDAY LTS	0.75	200	#10	3	220	660
23	REC: A3-2 120V	NOTE 1	NOTE 1	#4	3	330	990
25	REC: A3-3 120V	NOTE 1	NOTE 1	#4	3	460	1380
27	REC: A3-4 120V	NOTE 1	NOTE 1	#3	3	585	1755
29	REC: EQUIPMENT RACK	-	-	-	-	-	-
31	SPARE	-	-	-	-	-	-
33	SPARE	-	-	-	-	-	-
35	SPARE	-	-	-	-	-	-
37	SPACE	-	-	-	-	-	-
39	SPACE	-	-	-	-	-	-
41	SPACE	-	-	-	-	-	-
2	REC: B1-48,47,46	1	185	#8	3	210	630
4	REC: B1-45,1,2	1	275	#6	3	300	900
6	REC: B1-3,4,5	1.5	375	#4	3	400	1200
8	REC: B1-6,7,8	1.5	450	#4	3	475	1425
10	REC: B1-9,10,11	1.5	550	#3	3	575	1725
12	LTS: A3-2,3,4	0.75	600	#10	3	725	2175
14	REC: A3-2 240V	2	320	#4	3	330	990
16				#6	1		330
18	REC: A3-3 240V	2	450	#3	3	460	1380
20				#6	1		460
22	REC: A3-4 240V	2	575	#2	3	585	1755
24				#4	1		585
26	REC: A3-2 HOLIDAY LTS	1	320	#8	3	340	1020
28	REC: A3-3 HOLIDAY LTS	1	450	#6	3	470	1410
30	REC: A3-4 HOLIDAY LTS	1	575	#6	3	595	1785
32	LIGHTING CNTRL PNL CIRCUIT	1	700	#8	3	750	2250
34	SPARE	-	-	-	-	-	-
36	SPARE	-	-	-	-	-	-
38	SPACE	-	-	-	-	-	-
40	SPACE	-	-	-	-	-	-
42	SPACE	-	-	-	-	-	-

NOTES:
1) THESE CIRCUITS ARE TO BE ROUTED IN A COMMON CONDUIT. REFER TO THE ELECTRICAL SCHEDULES FOR ADDITIONAL INFORMATION.
2) THE VALUES REPRESENTED IN THE TABLE ABOVE ARE TO BE USED AS AN ESTIMATE ONLY. CONTRACTOR SHALL PROVIDE ALL REQUIRED MATERIALS.
3) CONTRACTOR TO ESTIMATE QUANTITIES OF ALL CONDUIT FITTINGS, HANGERS, PULL BOXES, ETC.

"STP-01W"			
TOTAL CONDUIT		TOTAL CONDUCTORS	
SIZE	LENGTH (FT)	SIZE	LENGTH (FT)
3/4"	1810	#12	1425
1"	2505	#10	5710
1-1/2"	1450	#8	3900
2"	1545	#6	6400
		#4	6570
		#3	4860
		#2	1755

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ELECTRICAL SCHEDULES
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E604

N:\projects\7733-City of Odessa - Street Phase II Lgt\CAD\Plans for Mason 36\[E604] ELECTRICAL SCHEDULES

CONDUIT/CONDUCTOR MATERIAL SCHEDULE FOR PANELBOARD "STP-04E"

CIRCUIT #	SERVICE	CONDUIT SIZE (IN)	CONDUIT LENGTH (FT)	CONDUCTOR SIZE	# OF CONDUCTORS	CONDUCTOR LENGTH (FT)	CONDUCTOR LENGTH (FT)
1	LTS: A2-13,A3-20	0.75	185	#12	3	260	780
3	LTS: B1-60,59,58,57,34,35,36,37,38,39,40,41,42,43,44	0.75	720	#10	3	795	2385
5	REC: A3-20 240V	1.5	60	#6	3	70	210
7				#10	1		70
9	REC: A3-20 120V			#12	3	70	210
11	REC: A3-20 HOLIDAY LTS	0.75	60	#12	3	80	240
13	REC: A2-13 240V	2	180	#6	3	190	570
15				#10	1		190
17	REC: A2-13 240V			#6	3	190	570
19				#10	1		190
21	REC: A2-13 HOLIDAY LTS	0.75	180	#10	3	200	600
23	REC: A3-14 120V	NOTE 1	NOTE 1	#4	3	295	885
25	REC: A3-15 120V	NOTE 1	NOTE 1	#4	3	410	1230
27	REC: A3-16 120V	NOTE 1	NOTE 1	#3	3	550	1650
29	REC: EQUIPMENT RACK	-	-	-	-	-	-
31	SPARE	-	-	-	-	-	-
33	SPARE	-	-	-	-	-	-
35	SPARE	-	-	-	-	-	-
37	SPACE	-		-	-	-	-
39	SPACE	-	-	-	-	-	-
41	SPACE	-	-	-	-	-	-
2	REC: B1-60,59,58	1	165	#8	3	190	570
4	REC: B1-57,34,35	1	250	#6	3	275	825
6	REC: B1-36,37,38	1.5	350	#4	3	375	1125
8	REC: B1-39,40,41	1.5	420	#4	3	445	1335
10	REC: B1-42,43,44	1.5	550	#3	3	575	1725
12	LTS: A3-14,15,16	0.75	580	#10	3	705	2115
14	REC: A3-14 240V	2	285	#4	3	295	885
16				#6	1		295
18	REC: A3-15 240V	2	400	#3	3	410	1230
20				#6	1		410
22	REC: A3-16 240V	2	540	#2	3	550	1650
24				#4	1		550
26	REC: A3-14 HOLIDAY LTS	1	285	#8	3	305	915
28	REC: A3-15 HOLIDAY LTS	1	400	#6	3	420	1260
30	REC: A3-16 HOLIDAY LTS	1	540	#6	3	560	1680
32	SPARE	-	-	-	-	-	-
34	SPARE	-	-	-	-	-	-
36	SPARE	-	-	-	-	-	-
38	SPACE	-	-	-	-	-	-
40	SPACE	-	-	-	-	-	-
42	SPACE	-	-	-	-	-	-

NOTES:

1) THESE CIRCUITS ARE TO BE ROUTED IN A COMMON CONDUIT. REFER TO THE ELECTRICAL SCHEDULES FOR ADDITIONAL INFORMATION.
2) THE VALUES REPRESENTED IN THE TABLE ABOVE ARE TO BE USED AS AN ESTIMATE ONLY. CONTRACTOR SHALL PROVIDE ALL REQUIRED MATERIALS.
3) CONTRACTOR TO ESTIMATE QUANTITIES OF ALL CONDUIT FITTINGS, HANGERS, PULL BOXES, ETC.

CONDUIT/CONDUCTOR MATERIAL SCHEDULE FOR PANELBOARD "STP-03E"

CIRCUIT #	SERVICE	CONDUIT SIZE (IN)	CONDUIT LENGTH (FT)	CONDUCTOR SIZE	# OF CONDUCTORS	CONDUCTOR LENGTH (FT)	CONDUCTOR LENGTH (FT)
1	LTS: A1-5,A3-19	0.75	205	#12	3	280	840
3	LTS: B1-56,55,54,53,12,13,14,15,16,17,18,19,20,21,22	0.75	740	#10	3	815	2445
5	REC: A3-19 240V	1.5	65	#6	3	75	225
7				#10	1		75
9	REC: A3-19 120V			#12	3	75	225
11	REC: A3-19 HOLIDAY LTS	0.75	65	#12	3	85	255
13	REC: A1-5 240V	2	190	#6	3	200	600
15				#10	1		200
17	REC: A1-5 240V			#6	3	200	600
19				#10	1		200
21	REC: A1-5 HOLIDAY LTS	0.75	190	#10	3	210	630
23	REC: A3-6 120V	NOTE 1	NOTE 1	#4	3	325	975
25	REC: A3-7 120V	NOTE 1	NOTE 1	#4	3	450	1350
27	REC: A3-8 120V	NOTE 1	NOTE 1	#3	3	580	1740
29	REC: EQUIPMENT RACK	-	-	-	-	-	-
31	SPARE	-	-	-	-	-	-
33	SPARE	-	-	-	-	-	-
35	SPARE	-	-	-	-	-	-
37	SPACE	-	-	-	-	-	-
39	SPACE	-	-	-	-	-	-
41	SPACE	-	-	-	-	-	-
2	REC: B1-56,55,54	1	180	#8	3	205	615
4	REC: B1-53,12,13	1	270	#6	3	295	885
6	REC: B1-14,15,16	1.5	370	#4	3	395	1185
8	REC: B1-17,18,19	1.5	495	#4	3	520	1560
10	REC: B1-20,21,22	1.5	570	#3	3	595	1785
12	LTS: A3-6,7,8	0.75	600	#10	3	725	2175
14	REC: A3-6 240V	2	315	#4	3	325	975
16				#6	1		325
18	REC: A3-7 240V	2	440	#3	3	450	1350
20				#6	1		450
22	REC: A3-8 240V	2	570	#2	3	580	1740
24				#4	1		580
26	REC: A3-6 HOLIDAY LTS	1	315	#8	3	335	1005
28	REC: A3-7 HOLIDAY LTS	1	440	#6	3	460	1380
30	REC: A3-8 HOLIDAY LTS	1	570	#6	3	590	1770
32	SPARE	-	-	-	-	-	-
34	SPARE	-	-	-	-	-	-
36	SPARE	-	-	-	-	-	-
38	SPACE	-	-	-	-	-	-
40	SPACE	-	-	-	-	-	-
42	SPACE	-	-	-	-	-	-

NOTES:

1) THESE CIRCUITS ARE TO BE ROUTED IN A COMMON CONDUIT. REFER TO THE ELECTRICAL SCHEDULES FOR ADDITIONAL INFORMATION.
2) THE VALUES REPRESENTED IN THE TABLE ABOVE ARE TO BE USED AS AN ESTIMATE ONLY. CONTRACTOR SHALL PROVIDE ALL REQUIRED MATERIALS.
3) CONTRACTOR TO ESTIMATE QUANTITIES OF ALL CONDUIT FITTINGS, HANGERS, PULL BOXES, ETC.

"STP-04E"			
TOTAL CONDUIT		TOTAL CONDUCTORS	
SIZE	LENGTH (FT)	SIZE	LENGTH (FT)
3/4"	1725	#12	1230
1"	1640	#10	5550
1-1/2"	1380	#8	1485
2"	1405	#6	5820
		#4	6010
		#3	4605
		#2	1650

"STP-03E"			
TOTAL CONDUIT		TOTAL CONDUCTORS	
SIZE	LENGTH (FT)	SIZE	LENGTH (FT)
3/4"	1800	#12	1320
1"	1775	#10	5725
1-1/2"	1500	#8	1620
2"	1515	#6	6235
		#4	6625
		#3	4875
		#2	1740

"PROJECT TOTAL"			
TOTAL CONDUIT		TOTAL CONDUCTORS	
SIZE	LENGTH (FT)	SIZE	LENGTH (FT)
3/4"	7170	#12	5415
1"	7720	#10	22785
1-1/2"	5780	#8	8655
2"	6020	#6	24880
		#4	25650
		#3	19320
		#2	6930

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9-12-2025
NUMBER PE-2003016693
PROFESSIONAL ENGINEER

DRAWING INFO.
FIELD BY:
DRAWN BY: AJS
CHECK BY: JGR
DATE: 09/12/25
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	DATE	BY

REVISIONS

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ELECTRICAL SCHEDULES
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E605

N:\projects\24-7733-0 City of Odessa - Street Power & Light\CAD\Plans for Mason St\[stp03]\STP03 ELECTRICAL SCHEDULES

ELECTRICAL SYMBOLS AND ABBREVIATIONS

PR — PROTECTIVE RELAY.
LA — 15KV LIGHTNING ARRESTOR.
METER — UTILITY METER.
CURRENT TRANSFORMER.
FIXED CIRCUIT BREAKER.
POTENTIAL TRANSFORMER.
FUSE.
DC BATTERY.
C — COMMUNICATION WIRING.
LV — LOW VOLTAGE WIRING.
GROUND.
NORMALLY OPEN CONTACTS.
NORMALLY CLOSED CONTACTS.
SWITCH.
TWO-POSITION SELECTOR SWITCH.
THREE-POSITION SELECTOR SWITCH.
FUSE.
RACK-OUT STYLE CIRCUIT BREAKER.
E — ELECTRONICALLY OPERATED CIRCUIT BREAKER.
BOLT-ON CIRCUIT BREAKER.
PLUG-IN STYLE CIRCUIT BREAKER.
MOTOR OVERLOAD
STEP-DOWN TRANSFORMER.
ANN — ANNUNCIATOR PANEL.
ATC — AUTOMATIC TRANSFER CONTROLLER.
EPO — EMERGENCY POWER OFF.
GC — GENERATOR CONTROL PANEL.
SPD — SURGE PROTECTION DEVICE.
DMP — DIGITAL METERING PACKAGE.
K — KIRK KEY INTERLOCK
PANELBOARD WITH MAIN BREAKER.
PANELBOARD WITH MAIN LUGS ONLY.
BUSWAY END TAP-BOX.
BUSWAY — PLUG-IN BUSWAY.

GENERATOR.
MANUAL TRANSFER SWITCH.
MOTOR.
DISCONNECT SWITCH.
F — DISCONNECT SWITCH WITH FUSE.
B — DISCONNECT SWITCH WITH BREAKER.
INVERTER.
RECTIFIER.
CAM LOCK.
N — NEUTRAL BUS.
G — GROUND BUS.
PHASE MONITORING — PHASE MONITOR.

A - AMPS.
AF - AMPS FRAME.
AT - AMPS TRIP.
ATS - AUTOMATIC TRANSFER SWITCH.
AWG - AMERICAN WIRE GAUGE.
BIL - BASIC INSULATION LEVEL.
CPT - CONTROL POWER TRANSFORMER.
CT - CURRENT TRANSFORMER.
DAFS - DYNAMIC ARC FLASH SYSTEM.
DC - DIRECT CURRENT.
DPDT - DOUBLE POLE DOUBLE THROW.
G - GROUND.
KV - KILO-VOLT.
LOTO - LOCKOUT / TAGOUT.
LSIGM - L=LONG TIME, S=SHORT TIME, I=INSTANTANEOUS, G=GROUND, M=METERED TRIP UNIT(MODBUS).
MGB - MAIN GROUND BAR.
MSGF - MULTI-SOURCE GROUND FAULT PROTECTION
N - NEUTRAL.
P - POLE.
PRI - PRIMARY.
PH - PHASE.
RELT - REDUCED ENERGY LET THROUGH.
SCCR - SHORT CIRCUIT CURRENT RATING.
SA - SURGE ARRESTOR.
SEC - SECONDARY.
SS - STAINLESS STEEL.
STS - STATIC TRANSFER SWITCH.
UPS - UNINTERRUPTIBLE POWER SUPPLY.
V - VOLTS.
VT - VOLTAGE TRANSFORMER.
W - WIRE.
Y - WYE.
Δ - DELTA.

CONDUCTOR LEGEND:

POWER CONDUCTORS (600 VOLTS OR LESS)
(COPPER UNLESS OTHERWISE NOTED.)

12-03	3-#12 W, 1-#12 GND IN 3/4" CONDUIT
12-04	4-#12 W, 1-#12 GND IN 3/4" CONDUIT
10-03	3-#10 W, 1-#10 GND IN 3/4" CONDUIT
10-04	4-#10 W, 1-#10 GND IN 3/4" CONDUIT
8-03	3-#8 W, 1-#10 GND IN 1" CONDUIT
8-04	4-#8 W, 1-#10 GND IN 1" CONDUIT
6-03	3-#6 W, 1-#10 GND IN 1" CONDUIT
6-04	4-#6 W, 1-#10 GND IN 1" CONDUIT
4-03	3-#4 W, 1-#8 GND IN 1-1/4" CONDUIT
4-04	4-#4 W, 1-#8 GND IN 1-1/4" CONDUIT
3-03	3-#3 W, 1-#8 GND IN 1-1/4" CONDUIT
3-04	4-#3 W, 1-#8 GND IN 1-1/4" CONDUIT
2-03	3-#2 W, 1-#6 GND IN 1-1/2" CONDUIT
2-04	4-#2 W, 1-#6 GND IN 1-1/2" CONDUIT
1-02	2-#1 W, 1-#6 GND IN 1-1/2" CONDUIT
1-03	3-#1 W, 1-#6 GND IN 1-1/2" CONDUIT
1-04	4-#1 W, 1-#6 GND IN 1-1/2" CONDUIT
1/0-02	2-#1/0 W, 1-#6 GND IN 1-1/2" CONDUIT
1/0-03	3-#1/0 W, 1-#6 GND IN 1-1/2" CONDUIT
1/0-04	4-#1/0 W, 1-#6 GND IN 1-1/2" CONDUIT
2/0-03	3-#2/0 W, 1-#6 GND IN 2" CONDUIT
2/0-04	4-#2/0 W, 1-#6 GND IN 2" CONDUIT
3/0-03	3-#3/0 W, 1-#6 GND IN 2" CONDUIT
3/0-04	4-#3/0 W, 1-#6 GND IN 2" CONDUIT
4/0-03	3-#4/0 W, 1-#4 GND IN 2-1/2" CONDUIT
4/0-04	4-#4/0 W, 1-#4 GND IN 2-1/2" CONDUIT
250-02	2-#250 KCMIL W, 1-#4 GND IN 3" CONDUIT
250-03	3-#250 KCMIL W, 1-#4 GND IN 3" CONDUIT
250-04	4-#250 KCMIL W, 1-#4 GND IN 3" CONDUIT
300-03	3-#300 KCMIL W, 1-#4 GND IN 3" CONDUIT
300-04	4-#300 KCMIL W, 1-#4 GND IN 3" CONDUIT
350-03	3-#350 KCMIL W, 1-#3 GND IN 3" CONDUIT
350-04	4-#350 KCMIL W, 1-#3 GND IN 3" CONDUIT
400-03	3-#400 KCMIL W, 1-#3 GND IN 3" CONDUIT
400-04	4-#400 KCMIL W, 1-#3 GND IN 3" CONDUIT
500-03	3-#500 KCMIL W, 1-#4 GND IN 4" CONDUIT
500-04	4-#500 KCMIL W, 1-#3 GND IN 4" CONDUIT
2-3/0-03	2 SETS (3-#3/0 W, 1-#3 GND IN EACH 2" CONDUIT)
2-3/0-04	2 SETS (4-#3/0 W, 1-#3 GND IN EACH 2" CONDUIT)
2-4/0-03	2 SETS (3-#4/0 W, 1-#2 GND IN EACH 2-1/2" CONDUIT)
2-4/0-04	2 SETS (4-#4/0 W, 1-#2 GND IN EACH 2-1/2" CONDUIT)
2-250-03	2 SETS (3-#250 KCMIL W, 1-#2 GND IN EACH 3" CONDUIT)
2-250-04	2 SETS (4-#250 KCMIL W, 1-#2 GND IN EACH 3" CONDUIT)
2-350-02	2 SETS (2-#350 KCMIL W, 1-#1 GND IN EACH 4" CONDUIT)
2-350-03	2 SETS (3-#350 KCMIL W, 1-#1 GND IN EACH 4" CONDUIT)
2-350-04	2 SETS (4-#350 KCMIL W, 1-#1 GND IN EACH 4" CONDUIT)
3-300-03	3 SETS (3-#300 KCMIL W, 1-#1/0 GND IN EACH 3" CONDUIT)
3-300-04	3 SETS (4-#300 KCMIL W, 1-#1/0 GND IN EACH 3" CONDUIT)
3-400-03	3 SETS (3-#400 KCMIL W, 1-#2/0 GND IN EACH 4" CONDUIT)
3-400-04	3 SETS (4-#400 KCMIL W, 1-#2/0 GND IN EACH 4" CONDUIT)
4-350-03	4 SETS (3-#350 KCMIL W, 1-#3/0 GND IN EACH 4" CONDUIT)
4-350-04	4 SETS (4-#350 KCMIL W, 1-#3/0 GND IN EACH 4" CONDUIT)
5-400-03	5 SETS (3-#400 KCMIL W, 1-#4/0 GND IN EACH 4" CONDUIT)
5-400-04	5 SETS (4-#400 KCMIL W, 1-#4/0 GND IN EACH 4" CONDUIT)
6-400-03	6 SETS (3-#400 KCMIL W, 1-#250 KCMIL GND IN EACH 4" CONDUIT)
6-400-04	6 SETS (4-#400 KCMIL W, 1-#250 KCMIL GND IN EACH 4" CONDUIT)
7-500-03	7 SETS (3-#500 KCMIL W, 1-#350 KCMIL GND IN EACH 4" CONDUIT)
7-500-04	7 SETS (4-#500 KCMIL W, 1-#350 KCMIL GND IN EACH 4" CONDUIT)
8-500-03	8 SETS (3-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)
8-500-04	8 SETS (4-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)
8-750-03	8 SETS (3-#750 KCMIL W, 1-#600 KCMIL GND IN EACH 4" CONDUIT)
8-750-04	8 SETS (4-#750 KCMIL W, 1-#600 KCMIL GND IN EACH 4" CONDUIT)
9-500-03	9 SETS (3-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)
9-500-04	9 SETS (4-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)
10-500-03	10 SETS (3-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)
10-500-04	10 SETS (4-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)
11-500-03	11 SETS (3-#500 KCMIL W, 1-#500 KCMIL GND IN EACH 4" CONDUIT)
11-500-04	11 SETS (4-#500 KCMIL W, 1-#500 KCMIL GND IN EACH 4" CONDUIT)
CUSTOM	REFER TO SPECIFIC INFORMATION FOR CONDUIT AND WIRE SIZE.
EX	EXISTING CONDUIT AND WIRING. VERIFY EXISTING SIZES AS REQUIRED.
M	MANUFACTURER SUPPLIED CONDUCTORS AND CONDUIT.

COPPER BUSWAYS (OVER 600 VOLTS)

BSWY - 400	400 AMP BUSWAY (L1, L2, L3, NEUTRAL + GROUND SOLID COPPER BUSSING)
BSWY - 600	600 AMP BUSWAY (L1, L2, L3, NEUTRAL + GROUND SOLID COPPER BUSSING)
BSWY - 800	800 AMP BUSWAY (L1, L2, L3, NEUTRAL + GROUND SOLID COPPER BUSSING)
BSWY - 1200	1200 AMP BUSWAY (L1, L2, L3, NEUTRAL + GROUND SOLID COPPER BUSSING)
BSWY - 2000	2000 AMP BUSWAY (L1, L2, L3, NEUTRAL + GROUND SOLID COPPER BUSSING)
BSWY - 3000	3000 AMP BUSWAY (L1, L2, L3, NEUTRAL + GROUND SOLID COPPER BUSSING)
BSWY - 4000	4000 AMP BUSWAY (L1, L2, L3, NEUTRAL + GROUND SOLID COPPER BUSSING)

MEDIUM VOLTAGE CONDUCTORS (OVER 600 VOLTS)*

MV-125	3-#2 W, 1-#6 GND IN 4" CONDUIT (ALUMINUM CONDUCTORS)
MV-150	3-#1/0 KCMIL W, 1-#4 GND IN 4" CONDUIT (ALUMINUM CONDUCTORS)
MV-200	3-#3/0 KCMIL W, 1-#2 GND IN 4" CONDUIT (ALUMINUM CONDUCTORS)
MV-EXIST	EXISTING MEDIUM VOLTAGE CONDUIT AND WIRING. VERIFY EXISTING SIZES AS REQUIRED. *COORDINATE WITH UTILITY AS REQUIRED.

GROUNDING CONDUCTORS

UT	PROVIDED BY UTILITY COMPANY. COORDINATE SIZE AS REQUIRED.
DEX	EXISTING GROUNDING CONDUIT AND WIRING. VERIFY EXISTING SIZES AS REQUIRED.
G12	#12 GROUND IN 1" CONDUIT.
G10	#10 GROUND IN 1" CONDUIT.
G8	#8 GROUND IN 1" CONDUIT.
G6	#6 GROUND IN 1" CONDUIT.
G4	#4 GROUND IN 1" CONDUIT.
G3	#3 GROUND IN 1" CONDUIT.
G2	#2 GROUND IN 1" CONDUIT.
G1	#1 GROUND IN 1" CONDUIT.
G0	#1/0 GROUND IN 1" CONDUIT.
G00	#2/0 GROUND IN 1" CONDUIT.
G000	#3/0 GROUND IN 1" CONDUIT.

GENERAL ONE-LINE NOTES:

1. REFER TO SHEET E001 FOR ADDITIONAL SYMBOLS AND NOTES.
2. COORDINATE ALL WORK WITH OTHER TRADES.
3. CONTRACTOR SHALL INSTALL ALL EQUIPMENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.
4. 20% SPARE BREAKER SPACE SHALL BE PROVIDED IN ALL DISTRIBUTION PANELS, AND PANELBOARDS.
5. CONTRACTOR SHALL COORDINATE THE ROUTING OF ALL FEEDER CONDUITS WITH ALL EXISTING CONDITIONS. CORING AND ROUTING THROUGH CONCRETE STRUCTURES SHALL BE COORDINATED WITH THE OWNER AND ENGINEER.
6. ALL EXTERIOR CONDUIT CONNECTIONS SHALL BE WEATHER-PROOF TYPE UNLESS NOTED OTHERWISE. THIS SHALL INCLUDE WEATHER-PROOF HUBS, AND SEALANT ON ALL THREADED FITTINGS. ENTER CONDUITS IN THE BOTTOM OF ENCLOSURES WHERE POSSIBLE.
7. ALL PANELBOARDS SHALL HAVE THEIR NAME, VOLTAGE, PHASE, AND WIRE COUNT IDENTIFIED ON THE FRONT COVER. ATTACH LABEL USING MECHANICAL FASTENER. ADHESIVE LABELS ARE NOT ACCEPTABLE.
8. CONTRACTOR SHALL VERIFY ALL FINAL FEEDER LENGTHS AND INCREASE WIRE SIZES AS REQUIRED TO MEET NEC MAXIMUM VOLTAGE DROP REQUIREMENTS.
9. ALL NEW DISTRIBUTION PANELS AND PANELBOARDS SHOWN SHALL BE ABB, SCHNEIDER ELECTRIC, SIEMENS, OR EATON BRAND. ALL OTHER MANUFACTURERS SHALL OBTAIN PRIOR APPROVAL IN ORDER TO BID THE PROJECT.
10. CONTRACTOR SHALL ADJUST EQUIPMENT SIZES, CONCRETE PADS AND SPACING REQUIREMENTS SHOWN ON PLANS TO ACCOMMODATE SPECIFIC EQUIPMENT REQUIREMENTS SHOWN ON THE ONE-LINE DIAGRAM AND PROVIDED BY THE MANUFACTURER.
11. ALL EQUIPMENT SHALL BE HINGED AND LOCKABLE. ALL EQUIPMENT SHALL BE KEYED SUCH THAT ONE KEY CAN OPERATE ALL LOCKS.
12. ALL CONNECTIONS TO EXTERIOR EQUIPMENT SHALL BE MADE WATER-TIGHT. CONTRACTOR SHALL MINIMIZE PENETRATIONS WHERE POSSIBLE.
13. NO EQUIPMENT SHALL SET OR MAKE DIRECT CONTACT WITH SOIL OR HOUSEKEEPING PADS, WITHOUT THE USE OF LEVELING FEET OR STANDS DESIGNED FOR THE PURPOSE OF SUPPORTING THE EQUIPMENT.
14. WHERE EQUIPMENT IS REMOVED, THE AREA WHERE REMOVED SHALL BE REPAIRED TO MATCH ADJACENT SURFACES.
15. PATCH/PAINT AND REPAIR WALLS, FLOORS OR CEILINGS WHERE CONDUITS ARE REMOVED. THIS INCLUDES FASTENERS, HANGERS, OR OTHER APPURTENANCES. ALL HOLES SHALL BE PATCHED.
16. WHERE CONDUITS ARE REMOVED FROM EQUIPMENT DESIGNATED TO REMAIN, SAME SHALL BE PLUGGED OR COVERED.
17. ALL NEW EQUIPMENT SHALL BE LABELED. THE PLASTIC LAMINATE LABELS SHALL BE MECHANICALLY ATTACHED TO THE EQUIPMENT. ADHESIVE LABELS ARE NOT ACCEPTABLE.
18. WHERE EXISTING EQUIPMENT IS SHOWN TO BE DEMOLISHED AND SETTING ON A HOUSEKEEPING PAD, THE PAD SHALL BE REMOVED AND THE SLAB BELOW SHALL BE PATCHED/REPAIRED TO MATCH ADJACENT SURFACES.
19. ALL ABANDONED CONDUITS AS PART OF THIS PROJECT SHALL BE REMOVED FROM SOURCE TO LOAD, UNLESS GOING THROUGH A NON-ACCESSIBLE SPACE. SUCH CONDUITS SHALL BE NOTED ON THE RECORD DRAWINGS, INDICATING LOCATION AND CONDUIT SIZE. ALL SUPPORTS AND FASTENERS SUPPORTING THE CONDUIT SHALL BE REMOVED.
20. ALL CONDUCTORS TO BE COPPER, UNLESS OTHERWISE NOTED.
21. VERTICAL, HORIZONTAL, LEFT/RIGHT, AND UP/DOWN INDICATIONS ON THE ONE-LINE DIAGRAM ARE NOT INTENDED TO DEPICT DIRECTIONS OR ORIENTATION OF EQUIPMENT OR FEEDERS. ORIENTATION OF EQUIPMENT OR FEEDERS SHALL BE COORDINATED IN THE FIELD WITH THE CONTRACTOR.

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STATE OF MISSOURI
CURTIS L. BRUNGARDT
9-12-2025
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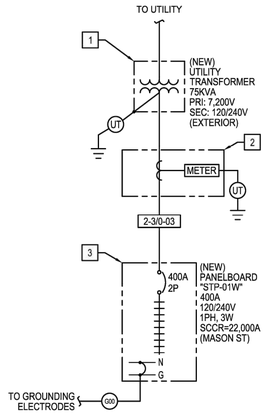
ELECTRICAL ONE-LINE NOTES
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

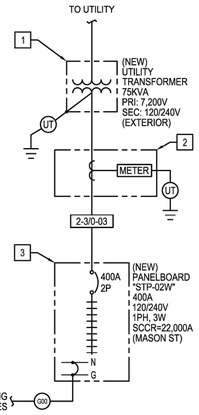
SHEET NUMBER
E701

N:\Projects\24-7733-0 City of Odessa - Street Phase 4 Ltg\CAD\Plans for Mason St\E0701 ELECTRICAL ONE-LINE DIAGRAM

KEYED NOTES:

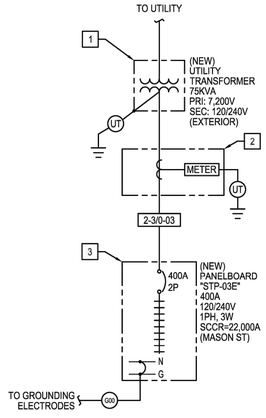
1. TRANSFORMER PROVIDED BY UTILITY COMPANY AND CONNECTED BY THE UTILITY COMPANY. CONTRACTOR SHALL BRING THE CONDUIT TO THE UTILITY POLE. UTILITY COMPANY WILL EXTEND UP THE POLE FOR CONNECTION. CONDUCTORS TO BE PROVIDED BY THE UTILITY.
2. CONTRACTOR SHALL PROVIDE THE METER ENCLOSURE AND INSTALL ON THE EQUIPMENT RACK. UTILITY COMPANY TO PROVIDE THE METER. COORDINATE METER ENCLOSURE REQUIREMENTS WITH THE UTILITY COMPANY.
3. PROVIDE NEW SERVICE ENTRANCE RATED 400AMP, 120/240 VOLT, NEMA 3R PANELBOARD. PROVIDE WITH 400AMP, 2-POLE MAIN BREAKER AND FEED-THRU LUGS. MOUNT ON EQUIPMENT RACK AS DETAILED. REFER TO PANELBOARD SCHEDULES FOR ALL BRANCH CIRCUIT BREAKER INFORMATION.

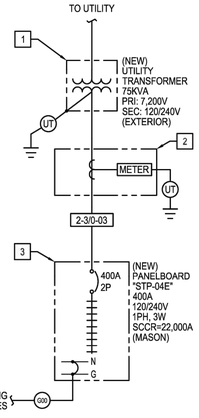




1 ELECTRIC DISTRIBUTION ONE-LINE DIAGRAMS (WEST OF 2ND STREET)

SCALE: N.T.S.





2 ELECTRIC DISTRIBUTION ONE-LINE DIAGRAMS (EAST OF 2ND STREET)

SCALE: N.T.S.

ANDERSON ENGINEERING
EMPLOYEE OWNED
ENGINEERS • SURVEYORS • LABORATORIES • DRILLING
941 W. 163RD TERRACE • OLATHE, KANSAS 66061 • PHONE (816) 777-0400
ANDERSON ENGINEERING COA# 000562

STATE OF MISSOURI
CURTIS L. BRUNGARDT
9-12-2025
NUMBER PE-2003016693
PROFESSIONAL ENGINEER

DRAWING INFO.

FIELD BY:	
DRAWN BY:	AJS
CHECK BY:	JGR
DATE:	09/12/25
FIELD BOOK:	
JOB NUMBER:	TAP-9901(443)

NO.	DESCRIPTION	BY	DATE

REVISIONS

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ELECTRICAL ONE-LINE DIAGRAMS
MASON STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER
E702

MEP ENGINEER:
InSite Group
DEDICATION. DESIRE. INTEGRITY.
3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064
(816) 228-3377 | www.InSiteGroup.net
ISG PROJECT NUMBER: 24-7733-0
MO COA 2003005563 - Curtis L. Brungardt, P.E. 2003016693

N:\projects\24-7733-0 City of Odessa - Street Power & Light\ADS\Plans for Mason St\plots\E701 ELECTRICAL ONE-LINE DIAGRAM

ADDENDUM NO. 1

Engineering beyond.™

TO: All Holders of Plans and Contract Documents for Odessa Mason Street Sidewalk, Ramps & Street Improvements Phase II, TAP-9901(443)

ISSUED: December 03, 2025

_____
Name of Bidder

_____
Receipt Acknowledged By

This Addendum is hereby made a part of the Contract Documents to the same extent as if it were originally included herein. This Addendum shall be inserted in the Contract Documents and submitted with the Bid, and includes the following items:

CONTRACT DOCUMENTS:

- Invitation to Bid
  - Page 3
    - Addition of Meeting Link information for Pre-Bid Meeting

Sincerely,

Mitch Gibler
Project Manager

Odessa Mason Street Sidewalk, Ramps, & Street Improvements
Phase II
Invitation to Bid

SEALED BIDS for construction of City of Odessa Sidewalks Improvements, TAP-9901(443) Odessa, Missouri will be received by the City of Odessa, 228 S. 2nd Street, Odessa Missouri 64076 until 2:00 p.m. prevailing local time, December 18, 2025, and then publicly opened and read aloud at the City of Odessa, 228 S. 2nd Street, Odessa, Missouri 64076.

The proposed work includes: Construction of ADA compliant Sidewalk, Ramps, & Street Improvements.

Project TAP-9901(443) may be bid as an individual project or as a package bundle with TAP-9901(440). The Contract, if awarded, will be awarded to the lowest responsive, responsible bidder or bidders – complying with the Conditions of the Contract Documents within the Owner's budget – whose combined contract TAP-9901(443) and TAP-9901(440) amount provides the lowest overall price.

Copies of plans and specifications can be seen or purchased for a Non-Refundable fee on-line at www.drexeltech.com in their eDistribution plan room, additional assistance is available at distribution@drexeltech.com. Information regarding this project can be found in the "Public Jobs" link on the website. Contractors desiring the Contract Documents for use in preparing bids may also obtain a set of such documents from Drexel Technologies; 10840 West 86th Street, Lenexa, KS 66214, telephone number is 913-371-4430. Bidding documents will be shipped only if the requesting party assumes responsibility for all related charges. Corporate, certified, or cashier's checks shall be made payable to Drexel Technologies, Inc. Any questions regarding the project, plans, specifications, or bid documents should be directed to OWN, Inc., at 816-777-0400.

A pre-bid conference will be held virtually at 10:30 AM on the 3rd day of December. **All bidders are encouraged to attend the pre-bid meeting.**

We recommend questions to be submitted beforehand to Mitch Gibler at mgibler@weareown.com so they can be addressed during the meeting.
Invitation to Pre-Bid Meeting: City of Odessa Sidewalk Improvements
Wednesday, December 3 · 10:30 – 11:30am
Time zone: America/Chicago
Google Meet joining info
Video call link: https://meet.google.com/npw-cdzt-heq
Or dial: (US) +1 414-797-3489 PIN: 793 057 710#
More phone numbers: https://tel.meet/npw-cdzt-heq?pin=3269431639246

All labor used in the construction of this public improvement shall be paid a wage no less than the prevailing hourly rate of wages of work of a similar character in this locality as established by the Department of Labor and Industrial Relations (Federal Wage Rate), or state wage rate, whichever is higher.

The City of Odessa hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

All bidders must be on MoDOT's Qualified Contractor List per Section 102.2 from the current version of the Missouri Standard Specifications for Highway Construction, including all revisions. The contractor questionnaire must be on file 7 days prior to bid opening.

Contractors and sub-contractors who sign a contract to work on public works project provide a 10-Hour OSHA construction safety program, or similar program approved by the Department of Labor and Industrial Relations, to be completed by their on-site employees within sixty (60) days of beginning work on the construction project.

A certified or cashier's check or a bid bond in the amount of 5% shall be submitted with each proposal.

The City of Odessa, Missouri reserves the right to waive any informalities or minor defects or to reject any or all bids and to re-advertise and to rebid. All materials for the project shall be tax exempt.

The DBE Goal for this project is 0%.

ADDENDUM NO. 2

Engineering beyond.™

TO: All Holders of Plans and Contract Documents for Odessa Mason Street Sidewalk, Ramps & Street Improvements Phase II, TAP-9901(443)

ISSUED: December 11, 2025

_____
Name of Bidder

_____
Receipt Acknowledged By

This Addendum is hereby made a part of the Contract Documents to the same extent as if it were originally included herein. This Addendum shall be inserted in the Contract Documents and submitted with the Bid, and includes the following items:

CONTRACT DOCUMENTS:

- Itemized Proposal
  - Page 12
    - Roadway
      - Revised of Item No. 304-05.06
        - Revised Quantity from “5352 SY” to “3485 SY”
    - Bike/Pedestrian Facilities
      - Addition of Item No. 304-05.06, TYPE 5 AGGREGATE BASE (6 IN. THICK), SY, 1498
      - Revised Item No. 608-20.23
        - Revised Item Description from “HAND-RAILING FOR STEPS WITHOUT BAULSTERS” to “HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)”
        - Revised Quantity from “338 LF” to “9 LF”
      - Addition of Item No. 608-40.23, SIDEWALK HAND-RAILING WITHOUT BAULSTERS (BLACK), LF, 329
  - Page 14
    - Roadway
      - Revised of Item No. 304-05.06
        - Revised Quantity from “5352 SY” to “3485 SY”
    - Bike/Pedestrian Facilities
      - Addition of Item No. 304-05.06, TYPE 5 AGGREGATE BASE (6 IN. THICK), SY, 1498
      - Revised Item No. 608-20.23
        - Revised Item Description from “HAND-RAILING FOR STEPS WITHOUT BAULSTERS” to “HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)”
        - Revised Quantity from “338 LF” to “9 LF”

- Addition of Item No. 608-40.23, SIDEWALK HAND-RAILING WITHOUT BAULSTERS (BLACK), LF, 329

- Applicable Federal Wage Rates
  - Page 81-125
    - Revised "Federal Prevailing Wage MO20250001 Modification 7, 07/18/2025" with "Federal Prevailing Wage MO20250001 11/21/2025 MOD 11, 11/21/2025"

PLANS

- Quantities and General Notes
  - Sheet 3
    - Summary of Quantities
      - Revised of Item No. 304-05.06
        - Revised Quantity from "5352 SY" to "3485 SY"
      - Addition of Item No. 304-05.06, TYPE 5 AGGREGATE BASE (6 IN. THICK), SY, 1498
      - Revised Item No. 608-20.23
        - Revised Item Description from "HAND-RAILING FOR STEPS WITHOUT BAULSTERS" to "HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)"
        - Revised Quantity from "338 LF" to "9 LF"
      - Addition of Item No. 608-40.23, SIDEWALK HAND-RAILING WITHOUT BAULSTERS (BLACK), LF, 329
    - General Notes
      - Addition of "19. HAND-RAILING WILL BE COATED IN A BLACK FINISHED SURFACE, CORROSION-RESISTANT PAINT SYSTEM. THE SPECIFIC PRODUCT SHALL REQUIRE ENGINEER APPROVAL PRIOR TO APPLICATION."

PRE-BID MEETING DECEMBER 3, 2025:

- Pre-Bid Agenda
- Question and answer form
- Attendance – sign in sheet

Sincerely,

Mitch Gibler
Project Manager

TAP-9901(443) MASON STREET HISTORIC DOWNTOWN DISTRICT

ITEMIZED PROPSAL

	ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
	ROADWAY					
	202-20.10	REMOVAL OF IMPROVEMENTS	LS	1	$	$
	207-20.00	LINEAR GRADING CLASS 2	STA	8.7	$	$
2	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	3,485.2	$	$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9	$	$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9	$	$
	401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.)	TONS	751.6	$	$
	502-11.08	CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS)	SY	331.8	$	$
	609-10.51	CURB & GUTTER TYPE A	LF	221	$	$
	609-10.52	CURB & GUTTER TYPE B	LF	578	$	$
	609-99.03	CURB & GUTTER TYPE C	LF	115	$	$
	609-99.03	CURB RAMP CURB & GUTTER	LF	65	$	$
	609-99.03	DRIVEWAY CURB & GUTTER	LF	324	$	$
	618-10.00	MOBILIZATION	LS	1	$	$
	627-40.00	CONTRACTOR SURVEYING & STAKING	LS	1	$	$
					TOTAL ROADWAY	$
	SIGNING, STRIPING, SIGNAL, LIGHTING					
	620-60.00D	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1536	$	$
	620-60.01D	4 IN. YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1570	$	$
	620-61.24B	24 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	24	$	$
	620-99.02	INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)	EA	7	$	$
	620-99.03	6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	120	$	$
	620-99.03	4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	581	$	$
	622-10.03	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (GREATER THAN 3 IN. THICK)	SY	2306	$	$
	903-50.04A	SH-FLAT SHEET	SF	46	$	$
	903-99.02	SIGN POSTS	EA	4	$	$
					TOTAL SIGNING, STRIPING, SIGNAL, LIGHTING	$
	BIKE/PED FACITILITES					
2	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	1497.8	$	$
	502-99.07	INTEGRAL RETAINING WALL W/ REINFORCING	CY	15	$	$
	608-10.10	CONCRETE CURB RAMP	SY	104.1	$	$
	608-10.12	TRUNCATED DOMES	SF	150	$	$
2	608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)	LF	9	$	$
2	608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF	329	$	$
	608-99.05	CONCRETE SIDEWALK, 6 IN.	SY	1497.8	$	$
					TOTAL BIKE/PED FACITILITES	$
	LANDSCAPING/STREETSCAPING					
	604-20.10	ADJUST MANHOLE HEIGHT	EA	2	$	$
	604-99.02	ADJUST HEIGHT OF FIRE HYDRANT	EA	1	$	$
					TOTAL LANDSCAPING/STREETSCAPING	$
	TRAFFIC CONTROL					
	616-10.22	*CHANNELIZER (CONE)*	*EA*	*16*	$	$
	616-10.30	*TYPE 3 MOVEABLE BARRICADE*	*EA*	*4*	$	$
	903-50.04A	*SH-FLAT SHEET*	*SF*	*90*	$	$
					TOTAL TRAFFIC CONTROL	$
	OTHER (INFRASTRUCTURE FOR ELECTRICAL ITEMS)					
	901-99.02	UTILITY METER	EA	4	$	$
	901-99.02	UTILITY METER ENCLOSURE	EA	4	$	$
	901-99.02	PANELBOARD "STP-01W"	EA	1	$	$
	901-99.02	PANELBOARD "STP-02W"	EA	1	$	$
	901-99.02	PANELBOARD "STP-03E"	EA	1	$	$
	901-99.02	PANELBOARD "STP-04E"	EA	1	$	$
	901-99.03	ELECTRICAL EQUIPMENT RACK (STRUT, POST, CONCRETE, FITTINGS, ETC.)	LS	1	$	$
	901-99.03	GROUNDING SYSTEMS(RODS, CLAMPS, CONDUCTORS)	LS	1	$	$
	901-99.03	DISTRIBUTION EQUIPMENT CONDUIT/ CONDUCTORS	LS	1	$	$
	901-99.02	LIGHTING CONTROL PANEL "LCP-01W"	EA	1	$	$
	901-99.02	LIGHTING CONTROL PANEL "LCP-02W"	EA	1	$	$
	901-99.02	LIGHTING CONTROL PANEL "LCP-03E"	EA	1	$	$
	901-99.02	LIGHTING CONTROL PANEL "LCP-04E"	EA	1	$	$
	901-99.03	CONDUIT BODIES AND FITTINGS FOR ELECTRICAL EQUIPMENT	LS	1	$	$
	901-99.03	ABOVE-GRADE ELECTRICAL JUNCTION BOXES AND ENCLOSURES	LS	1	$	$
	901-99.03	LIGHTING CONDUITS	LS	1	$	$
	901-99.03	POWER CONDUITS	LS	1	$	$
	901-99.03	IN-GRADE JUNCTION BOXES	LS	1	$	$
	901-99.03	POLE LIGHT CONCRETE BASES	LS	1	$	$
	901-99.03	BOLLARD CONCRETE BASES	LS	1	$	$
					TOTAL OTHER (INFRASTRUCTURE FOR ELECTRICAL ITEMS)	$

TOTAL CONTRACTOR **$** _____

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
ROADWAY BID ALTERNATE					
502-11.07	CONCRETE PAVEMENT (7 IN. NON-REINFORCED)	SY	2705.1	$	$
ROADWAY ADD ALTERNATE					
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	*TONS*	*256.3*	$	$
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	*TONS*	*256.3*	$	$
622-10.03	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (GREATER THAN 3 IN. THICK)	*SY*	*2306*	$	$
				TOTAL ROADWAY ADD ALTERNATE	$

Acknowledgement: Each bidder shall acknowledge receipt of addenda by their signature affixed hereto and addendum noted.

Addendum No.(s) _____

Contractor: _____ Phone: _____

Signature: _____ Date: _____

Name: _____ (please print)

TAP-9901(443) MASON STREET & TAP-9901(440) 2ND STREET HISTORIC DOWNTOWN DISTRICT

ITEMIZED PROPSAL

	ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
	ROADWAY					
	202-20.10	REMOVAL OF IMPROVEMENTS	LS	1	$	$
	207-20.00	LINEAR GRADING CLASS 2	STA	8.7	$	$
2	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	3,485.2	$	$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9	$	$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9	$	$
	401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.)	TONS	751.6	$	$
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	620-60.00D	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1536	$	$
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	608-10.12	TRUNCATED DOMES	SF	150	$	$
2	608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)	LF	9	$	$
2	608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF	329	$	$
	608-99.05	CONCRETE SIDEWALK, 6 IN.	SY	1497.8	$	$
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	616-10.22	*CHANNELIZER (CONE)*	*EA*	*16*	$	$
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TOTAL CONTRACTOR **$** _____

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622-10.03	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (GREATER THAN 3 IN. THICK)	*SY*	*2306*	$	$
				TOTAL ROADWAY ADD ALTERNATE	$

Acknowledgement: Each bidder shall acknowledge receipt of addenda by their signature affixed hereto and addendum noted.

Addendum No.(s) _____

Contractor: _____ Phone: _____

Signature: _____ Date: _____

Name: _____ (please print)

"General Decision Number: MO20250001 11/21/2025

Superseded General Decision Number: MO20240001

State: Missouri

Construction Types: Heavy and Highway

Counties: Missouri Statewide.

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at http://www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2025
1	01/31/2025
2	02/07/2025

3	02/21/2025
4	04/11/2025
5	05/16/2025
6	06/13/2025
7	07/18/2025
8	08/15/2025
9	08/29/2025
10	09/05/2025
11	11/21/2025

CARP0002-002 05/01/2024

ST. LOUIS COUNTY AND CITY

	Rates	Fringes
Carpenters	$ 41.71	21.85

CARP0005-006 05/01/2024

CASS (Richards-Gebauer AFB ONLY), CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Carpenters:		
CARPENTERS & LATHERS	$ 44.63	22.40
MILLWRIGHTS & PILEDRIVERS	$ 44.63	22.40

CARP0011-001 05/01/2024

	Rates	Fringes
Carpenter and Piledriver		
ADAIR, AUDRAIN (West of Hwy 19), BOONE, CALLAWAY, CHARITON, COLE, COOPER, HOWARD, KNOX,LINN, MACON, MILLER, MONITEAU,MONROE, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SHELBY AND SULLIVAN COUNTIES	$ 35.61	22.40
ATCHISON, ANDREW, BATES, CALDWELL, CARROLL,DAVIESS, DEKALB,GENTRY, GRUNDY, HARRISON, HENRY, HOLT, LIVINGSTON, MERCER, NODAWAY,ST. CLAIR, SALINE AND WORTH COUNTIES	$ 34.98	22.40
AUDRAIN (East of Hwy.19), RALLS, MARION, LEWIS, CLARK AND SCOTLAND COUNTIES	$ 35.61	22.40
BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY,JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES	$ 33.25	22.40
BENTON, MORGAN AND PETTIS	$ 34.98	22.40
BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MISSISSIPPI, NEW MADRID,		

PEMISCOT, PERRY, STE. GENEVIEVE, SCOTT, STODDARD AND WAYNE COUNTIES.....$ 35.37 22.40
BUCHANAN, CLINTON, JOHNSON AND LAFAYETTE COUNTIES.....$ 34.98 22.40
CARTER, HOWELL, OREGON AND RIPLEY COUNTIES.....$ 34.04 22.40
CRAWFORD, DENT, GASCONADE, IRON, MADISON, MARIES, MONTGOMERY, PHELPS, PULASKI, REYNOLDS, SHANNON AND TEXAS COUNTIES.....$ 35.37 22.40
FRANKLIN COUNTY.....$ 42.19 22.40
JEFFERSON AND ST. CHARLES COUNTIES.....$ 42.19 22.40
LINCOLN COUNTY.....$ 38.04 22.40
PIKE, ST. FRANCOIS AND WASHINGTON COUNTIES.....$ 36.13 22.40
WARREN COUNTY.....$ 38.04 22.40

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* ELEC0001-002 06/22/2025

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, FRANKLIN, IRON, JEFFERSON, LINCOLN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY,REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (City and County), STE. GENEVIEVE, SCOTT, STODDARD, WARREN, WASHINGTON AND WAYNE COUNTIES

	Rates	Fringes
Electricians	$ 49.29	33.642

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* ELEC0002-001 08/31/2025

ADAIR, AUDRAIN, BOONE, CALLAWAY, CAMDEN, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, FRANKLIN, GASCONADE, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCON, LINN, MACON, MARIES, MARION, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OREGON, OSAGE, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (City and County), STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHANNON, SHELBY, SULLIVAN, TEXAS, WARREN AND WASHINGTON COUNTIES

	Rates	Fringes
Line Construction:		
Equipment Operator	$ 49.68	36.5%+7.50
Groundman & Truck Driver	$ 37.95	36.5%+7.50
Lineman & Cable Splicer	$ 57.88	36.5%+7.50

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* ELEC0053-005 08/31/2025

ANDREW, ATCHINSON, BARRY, BARTON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CASS, CEDAR, CHRISTIAN, CLAY, CLINTON, DADE, DALLAS, DAVIES, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HENRY, HICKORY, HOLT, LAFAYETTE, JACKSON, JASPER, LACLEDE, LAWRENCE, LIVINGSTON, JOHNSON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, PETTIS, PLATTE, POLK, RAY, SALINE, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES

	Rates	Fringes

Line Construction:
Groundman Powderman.....$ 38.44 1.5%+20.18
Groundman.....$ 35.86 1.5%+25.34
Lineman Operator.....$ 52.45 1.5%+19.34
Lineman.....$ 58.15 1.5%+26.69

ELEC0095-001 06/01/2025

BARRY, BARTON, CEDAR, DADE, JASPER, LAWRENCE, MCDONALD, NEWTON, ST CLAIR, AND VERNON COUNTIES

	Rates	Fringes
Electricians:		
Cable Splicers	$ 25.40	12.19
Electricians	$ 32.25	20.81

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* ELEC0124-007 09/01/2025

BATES, BENTON, CARROLL, CASS, CLAY, COOPER, HENRY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY AND SALINE COUNTIES:

	Rates	Fringes
Electricians	$ 54.01	27.85

ELEC0257-003 03/01/2025

AUDRAIN (Except Cuivre Township), BOONE, CALLAWAY, CAMDEN, CHARITON, COLE, CRAWFORD, DENT, GASCONADE, HOWARD, MARIES, MILLER, MONITEAU, OSAGE, PHELPS AND RANDOLPH COUNTIES

	Rates	Fringes
Electricians:		
Cable Splicers	$ 30.42	16.085
Electricians	$ 40.50	23.26

ELEC0350-002 12/01/2024

ADAIR, AUDRAIN (East of Highway 19), CLARK, KNOX, LEWIS, LINN, MACON, MARION, MONROE, MONTGOMERY, PIKE, PUTNAM, RALLS, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES

	Rates	Fringes
Electricians	$ 37.60	22.145

ELEC0453-001 09/01/2024

	Rates	Fringes
Electricians:		
CHRISITAN, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, LACLEDE, OREGON, OZARK, POLK, SHANNON, WEBSTER and WRIGHT COUNTIES	$ 32.40	19.11
PULASKI and TEXAS COUNTIES	$ 39.70	19.84

STONE and TANEY COUNTIES....$ 28.65 18.34

ELEC0545-003 06/01/2025

ANDREW, BUCHANAN, CLINTON, DEKALB, ATCHISON, HOLT, MERCER, GENTRY, HARRISON, DAVIESS, GRUNDY, WORTH, LIVINGSTON, NODAWAY, AND CALDWELL COUNTIES

	Rates	Fringes
Electricians:.....	$ 43.20	21.50

ELEC0702-004 01/06/2025

BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE COUNTIES

	Rates	Fringes
Line Construction:		
Groundman - Class A.....	$ 38.18	29%+8.85
Groundman-Equipment Operator Class II (all other equipment).....	$ 46.49	29%+8.85
Heavy-Equipment Operator Class I (all crawler type equipment D-4 and larger)...	$ 52.13	29%+8.85
Lineman.....	$ 74.55	29%+8.85

ENGI0101-001 05/01/2025

AREA 1
ANDREW, ATCHISON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CHARITON, CLINTON, COOPER, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HENRY, HOLT, HOWARD, JOHNSON, LAFAYETTE, LINN, LIVINGSTON, MERCER, NODAWAY, PETTIS, SALINE, SULLIVAN AND WORTH COUNITES

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	$ 38.83	21.87
GROUP 2.....	$ 38.43	21.87
GROUP 3.....	$ 36.43	21.87

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt roller operator, finish; asphalt paver and spreader; asphalt plant operator; auto grader or trimmer or sub-grader; backhoe; blade operator (all types); boilers - 2; booster pump on dredge; bulldozer operator; boring machine (truck or crane mounted); clamshell operator; concrete mixer paver; concrete plant operator; concrete pump operator; crane operator; derrick or derrick trucks; ditching machine; dragline operator; dredge engineman; dredge operator; drill cat with compressor mounted (self-contained) or similar type self- propelled rotary drill (not air tract); drilling or boring machine (rotary-self-propelled); finishing machine operator; greaser; high loader-fork lift-skid loader (all types); hoisting engineer (2 active drums); locomotive operator

(standard guage); mechanics and welders (field and plants); mucking machine operator; pile drive operator; pitman crane or boom truck (all types); push cat; quad track; scraper operators (all types); shovel operator; sideboom cats; side discharge spreader; skimmer scoop operators; slip form paver operator (CMI, Rex, Gomeco or equal); la tourneau rooter (all tiller types); tow boat operator; truck crane; wood and log chippers (all types).

GROUP 2: A-frame truck operator; articulated dump truck; back filler operator; boilers (1); chip spreader; churn drill operator; compressor; concrete mixer operator, skip loader; concrete saws (self-propelled); conveyor operator; crusher operator; distributor operator; elevating grader operator; farm tractor (all attachments); fireman rig; float operator; form grade operator; hoisting engine (one drum); maintenance operator; multiple compactor; pavement breaker, self-propelled hydra-hammer (or similar type); paymill operator; power shield; pumps; roller operator (with or without blades); screening and washing plant; self-propelled street broom or sweeper; siphons and jets; straw blower; stump cutting machine; siphons and jets; tank car heater operator (combination boiler and booster); welding machine; vibrating machine operator (not hand held); welding machine.

GROUP 3: (a) Oiler;
(b) Oiiler driver
(c) Mechanic.

HOURLY PREMIUMS:
THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($ .25) ABOVE GROUP 1 RATE: Dragline operator - 3 yds. & over; shovel 3 yds. & over; clamshell 3 yds. & over; Crane, rigs or piledrivers, 100' of boom or over (incl. jib.), hoist - each additional active drum over 2 drums

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($ .50) ABOVE GROUP 1 RATE: Tandem scoop operator; crane, rigs or piledrivers 150' to 200' of boom (incl. jib.)

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($ .75) ABOVE GROUP 1 RATE: Crane rigs, or piledrivers 200 ft. of boom or over (including jib.)

ENGI0101-005 04/01/2025

CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 40.17	22.29
GROUP 2	$ 39.13	22.29
GROUP 3	$ 34.66	22.29
GROUP 4	$ 38.01	22.29

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt roller operator, finish; asphalt paver and spreader; asphalt plant operator; auto grader or trimmer or sub-grader; backhoe; blade operator (all types); boilers-2; booster pump on dredge; boring machine (truck or crane mounted); bulldozer operator; clamshell operator; concrete

cleaning decontamination machine operator; concrete mixer paver; concrete plant operator; concrete pump operator; crane operator; derrick or derrick trucks; ditching machine; dragline operator; dredge engineman; dredge operator; drillcat with compressor mounted (self-contained) or similar type self propelled rotary drill (not air tract); drilling or boring machine (rotary - self-propelled); finishing machine operator; greaser; heavy equipment robotics operator/mechanic; horizontal directional drill operator; horizontal directional drill locator; loader-forklift - skid loader (all types); hoisting engineer (2 active drums); locomotive operator (standard guage); master environmental maintenance mechanic; mechanics and welders (field and plants); mucking machine operator; piledrive operator; pitman crane or boom truck (all types); push cat; quad-track; scraper operators (all types); shovel operator; side discharge spreader; sideboom cats; skimmer scoop operator; slip-form paver (CMI, REX, Gomaco or equal); la tourneau rooter (all tiller types); tow boat operator; truck crane; ultra high perssure waterjet cutting tool system operator/mechanic; vacuum blasting machine operator/mechanic; wood and log chippers (all types)

GROUP 2: ""A"" Frame truck operator; back filler operator; boilers (1); chip spreader;churn drill operator; concrete mixer operator, skip loader; concrete saws (self-propelled); conveyor operator; crusher operator; distributor operator; elevating grader operator; farm tractor (all attachments); fireman rig; float operator; form grader operator; hoisting engine (1 drum); maintenance operator; multiple compactor; pavement breaker, self-propelled hydra- hammer (or similar type); power shield; paymill operator; pumps; siphons and jets; stump cutting machine; tank car heater operator (combination boiler and booster); compressor; roller operator (with or without blades); screening and washing plant; self-propelled street broom or sweeper; straw blower; tank car heater operator (combination boiler and booster); vibrating machine operator (not hand held)

GROUP 3: Oilers

GROUP 4: Oiler Driver (All Types)

FOOTNOTE:
HOURLY PREMIUMS FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($1.00) ABOVE GROUP 1 RATE:
Clamshells - 3 yd. capacity or over; Cranes or rigs, 80 ft. of boom or over (including jib); Draglines, 3 yd. capacity or over;
Piledrivers 80 ft. of boom or over (including jib);
Shovels & backhoes, 3 yd. capacity or over.

ENGI0101-022 05/01/2025

BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD

	Rates	Fringes

Power equipment operators:

GROUP 1	$ 36.60	19.32
GROUP 2	$ 36.25	19.32
GROUP 3	$ 36.05	19.32
GROUP 4	$ 34.00	19.32

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt finishing machine & trench widening spreader; asphalt plant console operator; autograder; automatic slipform paver; backhoe; blade operator - all types; boat operator - tow; boilers-2; central mix concrete plant operator; clamshell operator; concrete mixer paver; crane operator; derrick or derrick trucks; ditching machine; dozer operator; dragline operator; dredge booster pump; dredge engineman; dredge operator; drill cat with compressor mounted on cat; drilling or boring machine rotary self-propelled; highloader; hoisting engine - 2 active drums; launch hammer wheel; locomotive operator; - standard guage; mechanic and welders; mucking machine; off-road trucks; piledriver operator; pitman crane operator; push cat operator; quad trac; scoop operator - all types; shovel operator; sideboom cats; skimmer scoop operators; trenching machine operator; truck crane.

GROUP 2: A-frame; asphalt hot-mix silo; asphalt plant fireman (drum or boiler); asphalt plant man; asphalt plant man; asphalt plant mixer operator; asphalt roller operator; backfiller operator; barber-greene loader; boat operator (bridges and dams); chip spreader; concrete mixer operator - skip loader; concrete plant operator; concrete pump operator; crusher operator; dredge oiler; elevating grader operator; fork lift; greaser-fleet; hoisting engine - 1; locomotive operator - narrow gauge; multiple compactor; pavement breaker; powerbroom - self-propelled; power shield; rooter; side discharge concrete spreader; slip form finishing machine; stumpcutter machine; throttle man; tractor operator (over 50 h.p.); winch truck.

GROUP 3: Boilers - 1; chip spreader (front man); churn drill operator; clef plane operator; concrete saw operator (self-propelled); curb finishing machine; distributor operator; finishing machine operator; flex plane operator; float operator; form grader operator; pugmill operator; roller operator, other than high type asphalt; screening & washing plant operator; siphons & jets; sub-grading machine operator; spreader box operator, self-propelled (not asphalt); tank car heater operator (combination boiler & booster); tractor operator (50 h.p. or less); Ulmac, Ulric or similar spreader; vibrating machine operator, not hand;

GROUP 4: Grade checker; Oiler; Oiler-Driver

HOURLY PREMIUMS:

The following classifications shall receive $ .25 above GROUP 1 rate:
Clamshells - 3 yds. or over; Cranes - Rigs or Piledrivers, 100 ft. of boom or over (including jib);
Draglines - 3 yds. or over; Hoists - each additional active drum over 2 drums; Shovels - 3 yds. or over;

The following classifications shall receive $ .50 above GROUP 1 rate:
Tandem scoop operator; Cranes - Rigs or Piledrivers, 150 ft.

to 200 ft. of boom (including jib); Tandem scoop.

The following classifications shall receive $ .75 above GROUP 1 rate:
Cranes - Rigs or Piledrivers, 200 ft. of boom or over (including jib.).

ENGI0513-004 05/05/2025

FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 45.96	30.96
GROUP 2	$ 45.96	30.96
GROUP 3	$ 44.66	30.96
GROUP 4	$ 44.22	30.96

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Backhoe, Cable; Backhoe, Hydraulic (2 cu yds bucket and under regardless of attachment, one oiler for 2 or 3, two oilers for 4 through 6); Backhoe, Hydraulic over 2 cu yds; Cableway; Crane, Crawler or Truck; Crane, Hydraulic - Truck or Cruiser mounted, 16 tons and over; Crane, Locomotive; crane with boom including jib over 100 ft from pin to pin; Crane using rock socket tool; Derrick, Steam; Derrick Car and Derrick Boat; Dragline, 7 cu yds and over; Dredge; Gradall, Crawler or tire mounted; Locomotive, Gas, Steam & other powers; Pile Driver, Land or Floating; Scoop, Skimmer; Shovel, Power (Electric, Gas, Steam or other powers); Shovel, Power (7 cu yds and over); Switch Boat; Whirley; Air Tugger with air compressor; Anchor Placing Barge; Asphalt Spreaker; Athey Force Feeder Loader, self-propelled; Backfilling Machine; Boat Operator - Push Boat or Tow Boat (job site); Boiler, High Pressure Breaking in Period; Boom Truck, Placing or Erecting; Boring Machine, Footing Foundation; Bullfloat; Cherry Picker; Combination Concrete Hoist and Mixer (such as Mixermobile); Compressor, Two 125 CFM and under; Compressor, Two through Four over 125 CFM; Compressor when operator runs throttle; Concrete Breaker (Truck or Tractor mounted); Concrete Pump (such as Pumpcrete machine); Concrete Saw (self-propelled); Concrete Spreader; Conveyor, Large (not selfpropelled) hoisting or moving brick and concrete into, or into and on floor level, one or both; Crane, Cimbing (such as Linden); Crane, Hydraulic - Rough Terrain, self-propelled; Crane, Hydraulic - Truck or Cruiser mounted - under 16 tons; Drilling machine - Self-powered, used for earth or rock drilling or boring (wagon drills and any hand drills obtaining power from other souces including concrete breakers, jackhammers and Barco equipmnet no engineer required); Elevating Grader; Engine Man, Dredge; Excavator or Powerbelt Machine; Finishing Machine, self- propelled oscillating screed; Forklift; Generators, Two through Six 30 KW or over; Grader, Road with power blade; Greaser; Highlift; Hoist, Concrete and Brick (Brick cages or concrete skips operating or on tower, Towermobile, or similar equipment); Hoist, Three or more drums in use; Hoist, Stack; Hydro-Hammer; Lad-A-Vator, hoisting brick or concrete; Loading Machine such as Barber-Greene; Mechanic on job site

GROUP 2: Air Tugger with plant air; Boiler (for power or

heating shell of building or temporary enclosures in connection with construction work); Boiler, Temporary; Compressor, One over 125 CFM; Compressor, truck mounted; Conveyor, Large (not self- propelled); Conveyor, Large (not self- propelled) moving brick and concrete (distributing) on floor level; Curb Finishing Machine; Ditch Paving Machine; Elevator (outside); Endless Chain Hoist; Fireman (as required); Form Grader; Hoist, One Drum regardless of size (except brick or concrete); Lad-A-Vator, other hoisting; Manlift; Mixer, Asphalt, over 8 cu ft capacity; Mixer, one bag capacity or less; Mixer, without side loader, two bag capacity or more; Mixer, with side loader, regardless of size, not Paver; Mud Jack (where mud jack is used in conjenction with an air compressor, operator shall be paid $ .55 per hour in addition to his basic hourly rate for covering both operations); Pug Mill operator; Pump, Sump - self powered, automatic controlled over 2""; Scissor Lift (used for hoisting); Skid Steer Loader; Sweeper, Street; Tractor, small wheel type 50 HP and under with grader blade and similar equipment; Welding Machine, One over 400 amp; Winch, operating from truck

GROUP 3: Boat operator - outboard motor, job site; Conveyors (such as Con-Vay-It) regardless of how used; Elevator (inside); Heater operator, 2 through 6; Sweeper, Floor

GROUP 4: Crane type

HOURLY PREMIUMS:

Backhoe, Hydraulic 2 cu yds or less without oiler - $2.00;
Crane,climbing (such as Linden) - $.50;
Crane, Pile Driving and Extracting - $ .50
Crane with boom (including job) over
100 ft from pin to pin - add $.01 per foot
to maximum of $4.00);
Crane, using rock socket tool - $ .50;
Derrick, diesel, gas or electric hoisting material
and erecting steel (150 ft or more above ground) - $ .50;
Dragline, 7 cu yds and over - $ .50;
Hoist, Three or more drums in use - $ .50;
Scoop, Tandem - $.50;
Shovel, Power - 7 cu yds and over - $ .50;
Tractor, Tandem Crawler - $ .50;
Tunnel, man assigned to work in tunnel or
tunnel shaft - $ .50;
Wrecking, when machines are working on
second floor or higher - $ .50

ENGI0513-006 05/01/2025

ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAYNE COUNTIES

	Rates	Fringes
Power equipment operators:		

GROUP 1	$ 40.39	30.33
GROUP 2	$ 40.04	30.33
GROUP 3	$ 39.84	30.33
GROUP 4	$ 36.19	30.33

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt finishing machine & trench widening spreader, asphalt plant console operator; autograder; automatic slipform paver; back hoe; blade operator - all types; boat operator tow; boiler two; central mix concrete plant operator; clam shell operator; concrete mixer paver; crane operator; derrick or derrick trucks; ditching machine; dozer operator; dragline operator; dredge booster pump; dredge engineman; dredge operator; drill cat with compressor mounted on cat; drilling or boring machine rotary self-propelled; highloader; hoisting engine 2 active drums; launchhammer wheel; locomotive operator standrad guage; mechanics and welders; mucking machine; piledriver operator; pitman crane operator; push cat operator; guad-trac; scoop operator; sideboom cats; skimmer scoop operator; trenching machine operator; truck crane, shovel operator.

GROUP 2: A-Frame; asphalt hot-mix silo; asphalt roller operator asphalt plant fireman (drum or boiler); asphalt plant man; asphalt plant mixer operator; backfiller operator; barber-greene loader; boat operator (bridge & dams); chip spreader; concrete mixer operator skip loader; concrete plant operator; concrete pump operator; dredge oiler; elevating graded operator; fork lift; grease fleet; hoisting engine one; locomotive operator narrow guage; multiple compactor; pavement breaker; powerbroom self-propelled; power shield; rooter; slip-form finishing machine; stumpcutter machine; side discharge concrete spreader; throttleman; tractor operator (over 50 hp); winch truck; asphalt roller operator; crusher operator.

GROUP 3: Spreader box operator, self-propelled not asphalt; tractor operator (50 h.p. or less); boilers one; chip spreader (front man); churn drill operator; compressor over 105 CFM 2-3 pumps 4"" & over; 2-3 light plant 7.5 KWA or any combination thereof; clef plane operator; compressor maintenance operator 2 or 3; concrete saw operator (self-propelled); curb finishing mancine; distributor operator; finishing machine operator; flex plane operator; float operator; form grader operator; pugmill operator; riller operator other than high type asphalt; screening & washing plant operator; siphons & jets; subgrading machine operator; tank car heater (combination boiler & booster); ulmac, ulric or similar spreader; vibrating machine operator; hydrobroom.

GROUP 4: Oiler; grout machine; oiler driver; compressor over 105 CFM one; conveyor operator one; maintenance operator; pump 4"" & over one.

FOOTNOTE: HOURLY PREMIUMS

Backhoe hydraulic, 2 cu. yds. or under Without oiler - $2.00
Certified Crane Operator - $1.50;
Certified Hazardous Material Operator $1.50;
Crane, climbing (such as Linden) - $0.50;
Crane, pile driving and extracting - $0.50;
Crane, with boom (including jib) over 100' from pin to pin

add $0.01 per foot to maximum of $4.00;
Crane, using rock socket tool - $0.50;
Derrick, diesel, gas or electric, hoisting material and erecting steel (150' or more above the ground) - $0.50;
Dragline, 7 cu. yds, and over - $0.50;
Hoist, three or more drums in use - $0.50; Scoop, Tandem - $0.50;
Shovel, power - 7 cu. yds. or more - $0.50;
Tractor, tandem crawler - $0.50;
Tunnel, man assigned to work in tunnel or tunnel shaft - $0.50;
Wrecking, when machine is working on second floor or higher - $0.50;

ENGI0513-007 05/05/2025

ST. LOUIS CITY AND COUNTY

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 45.96	30.96
GROUP 2	$ 45.96	30.96
GROUP 3	$ 44.66	30.96
GROUP 4	$ 44.22	30.96

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Backhoe, cable or hydraulic; cableway; crane crawler or truck; crane, hydraulic-truck or cruiser mounted 16 tons & over; crane locomotive; derrick, steam; derrick car & derrick boat; dragline; dredge; gradall, crawler or tire mounted; locomotive, gas, steam & other powers; pile driver, land or floating; scoop, skimmer; shovel, power (steam, gas, electric or other powers); switch boat; whirley.

GROUP 2: Air tugger w/air compressor; anchor-placing barge; asphalt spreader; athey force feeder loader (self-propelled); backfilling machine; backhoe-loader; boat operator-push boat or tow boat (job site); boiler, high pressure breaking in period; boom truck, placing or erecting; boring machine, footing foundation; bull- float; cherry picker; combination concrete hoist & mixer (such as mixer mobile); compressor (when operator runs throttle); concrete breaker (truck or tractor mounted); concrete pump, such as pump-crete machine; concrete saw (self-propelled), concrete spreader; conveyor, large (not self-propelled), hoisting or moving brick and concrete into, or into and on floor level, one or both; crane, hydraulic-rough terrain, self-propelled; crane hydraulic-truck or cruiser mounted-under 16 tons; drilling machines, self-powered use for earth or rock drilling or boring (wagon drills nd any hand drills obtaining power from other sources including concrete breakers, jackhammers and barco equipment-no engineer required); elevating grader; engineman, dredge; excavator or powerbelt machine; finishing machine, self-propelled oscillating screed; forklift; grader, road with power blade; highlift. greaser; hoist, stack, hydro-hammer; loading machine (such as barber-greene); machanic, on job site; mixer, pipe wrapping machines; plant asphalt; plant, concrete producing or ready-mix job site; plant heating-job site; plant mixing-job site; plant power, generating-job site; pumps, two through six self-powered

over 2""; pumps, electric submersible, two through six, over 4""; quad-track; roller, asphalt, top or sub-grade; scoop, tractor drawn; spreader box; sub-grader; tie tamper; tractor-crawler, or wheel type with or without power unit, power take-offs and attachments regardless of size; trenching machine; tunnel boring machine; vibrating machine automatic, automatic propelled; welding machines (gasoline or diesel) two through six; well drilling machine

GROUP 3: Conveyor, large (not self-propelled); conveyor, large (not self-propelled) moving brick and concrete distributing) on floor level; mixer two or more mixers of one bag capacity or less; air tugger w/plant air; boiler, for power or heating on construction projects; boiler, temporary; compressor (mounted on truck; curb finishing machine; ditch paving machine; elevator; endless chain hoist; form grader; hoist, one drum regardless of size; lad-a-vator; manlift; mixer, asphalt, over 8 cu. ft. capacity, without side loader, 2 bag capacity or more; mixer, with side loader, regardless of size; pug mill operator; pump, sump-self-powered, automatic controlled over 2"" during use in connection with construction work; sweeper, street; welding machine, one over 400 amp.; winch operating from truck; scissor lift (used for hoisting); tractor, small wheel type 50 h.p. & under with grader blade & similar equipment; Oiler on dredge and on truck crane.

GROUP 4: Boat operator-outboard motor (job site); conveyor (such as con-vay-it) regardless of how used; sweeper, floor

HOURLY PREMIUMS:

Backhoe, hydraulic 2 cu. yds. or under without oiler	$2.00
Certified Crane Operator	1.50
Certified Hazardous Material Operator	1.50
Crane, climbing (such as Linden)	.50
Crane, pile driving and extracting	.50
Crane, with boom (including jib) over 100' (from pin to pin) add $.01 per foot to maximum of	4.00
Crane, using rock socket tool	.50
Derrick, diesel, gas or electric, hoisting material and erecting steel (150' or more above ground)	.50
Dragline, 7 cu. yds. and over	.50
Hoist, three (3) or more drums in use	.50
Scoop, Tandem	.50
Shovel, power - 7 cu. yds. or more	.50
Tractor, tandem crawler	.50
Tunnel, man assigned to work in tunnel or tunnel shaft	.50
Wrecking, when machine is working on second floor or higher	.50

IRON0010-012 04/01/2025

	Rates	Fringes
Ironworkers: ANDREW, BARTON, BENTON, CAMDEN, CEDAR, CHARITON, CHRISTIAN, COOPER, DADE, DALLAS, DAVIESS, DE KALB, GENTRY, GREENE, GRUNDY,		

HARRISON, HICKORY, HOLT,
HOWARD, LACLEDE, LINN,
LIVINGSTON, MERCER,
MONITEAU, MORGAN, NODAWAY,
PETTIS, POLK, PUTNAM,
RANDLOPH, ST. CLAIR,
SULLIVAN, TANEY, VERNON,
WEBSTER, WRIGHT and WORTH
Counties and portions of
ADAIR, BOONE, MACON,
MILLER and RANDOLPH
Counties.....$ 36.00 34.25
ATCHISON, BATES, BUCHANAN,
CALDWELL, CARROLL, CASS,
CLAY, CLINTON, HENRY,
JACKSON, JOHNSON,
LAFAYETTE, PETTIS, PLATTE,
SALINE, AND RAY COUNTIES....$ 39.00 34.25

IRON0010-020 04/01/2025

BARRY, JASPER, LAWRENCE, MCDONALD, NEWTON AND STONE Counties

	Rates	Fringes
Ironworkers:.....	$ 36.00	34.25

IRON0321-002 08/01/2023

DOUGLAS, HOWELL and OZARK COUNTIES

	Rates	Fringes
Ironworker.....	$ 27.00	20.96

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* IRON0396-004 08/06/2025

ST. LOUIS (City and County), ST. CHARLES, JEFFERSON, IRON, FRANKLIN, LINCOLN, WARREN, WASHINGTON, ST. FRANCOIS, STE. GENEVIEVE, and REYNOLDS Counties; and portions of MADISON, PERRY, BOLLINGER, WAYNE, and CARTER Counties

	Rates	Fringes
Ironworker.....	$ 44.27	31.65

IRON0396-009 08/07/2024

AUDRAIN, CALLAWAY, COLE, CRAWFORD, DENT, GASCONADE, MARIES, MONTGOMERY, OSAGE, PHELPS, PIKE, PULASKI, TEXAS and WRIGHT Counties; and portions of BOONE, CAMDEN, DOUGLAS, HOWELL, LACLEDE, MILLER, MONROE, OREGON, SHANNON and RALLS Counties

	Rates	Fringes
Ironworker.....	$ 41.67	31.25

IRON0577-005 06/01/2024

ADAIR, CLARK, KNOX, LEWIS, MACON, MARION, MONROE, RALLS, SCHUYLER, SCOTLAND, AND SHELBY COUNTIES

	Rates	Fringes
Ironworker	$ 34.05	25.30

IRON0782-003 08/01/2023

CAPE GIRARDEAU, MISSISSIPPI, NEW MADRID, SCOTT, & STODDARD Counties; and portions of BOLLINGER, BUTLER, CARTER, DUNKLIN, MADISON, PEMISCOT, PERRY, RIPLEY, and WAYNE Counties

	Rates	Fringes
Ironworkers:		
Locks, Dams, Bridges and other major work on the Mississippi and Ohio River only	$ 38.77	29.51
All Other Work	$ 33.47	24.12

LABO0042-003 06/04/2025

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Plumber Laborer	$ 40.82	17.56

LABO0042-005 06/04/2025

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Dynamiter, Powderman	$ 40.82	17.56
Laborers, Flaggers	$ 40.82	17.56
Wrecking	$ 40.82	17.56

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* LABO0110-005 05/01/2025

Jefferson and Washington Counties

	Rates	Fringes
LABORER (Jefferson County)		
GROUP 1	$ 40.36	15.96
GROUP 2	$ 40.36	15.96
LABORER (Washington County)		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man; material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage

pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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LABO0579-005 05/01/2023

	Rates	Fringes
LABORER (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HOLT, LIVINGSTON, MERCER, NODAWAY and WORTH COUNTIES.)		
GROUP 1	$ 29.04	16.59
GROUP 2	$ 29.39	16.59
LABORER (BARRY, BARTON, BATES, BENTON, CAMDEN, CARROLL, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HENRY. HICKORY, JASPER, JOHNSON, LACLEDE, LAWRENCE, MCDONALD, MORGAN, NEWTON, OZARK, PETTIS, POLK, ST.CLAIR, SALINE, STONE, TANEY, VERNON, WEBSTER and WRIGHT COUNTIES)		
GROUP 1	$ 28.23	15.60
GROUP 2	$ 28.78	15.60
LABORER (LAFAYETTE COUNTY)		
GROUP 1	$ 29.78	15.85
GROUP 2	$ 30.13	15.85

LABORERS CLASSIFICATIONS

GROUP 1: General Laborers - Carpenter tenders; salamander tenders; loading trucks under bins; hoppers & conveyors; track men & all other general laborers; air tool operator; cement handler-bulk or sack; dump man on earth fill; georgie buggie man; material batch hopper man; material mixer man (except on manholes); coffer dams; riprap pavers - rock, block or brick; signal man; scaffolds over ten feet not self-supported from ground up; skipman on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoline, oil drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator, all work in connection with hydraulic or general dredging operations; puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material or materials (where special protection is required); rubbing concrete; topper of standing trees; batter board man on pipe and ditch work; feeder man on wood pulverizers; board and willow mat weavers and cable tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 feet where compressed air is not used; abutment and pier hole men working six (6) feet or more below ground; men working in coffer dams for bridge piers and footings in the river; ditchliners; pressure groutmen; caulker; chain or concrete saw; cliffscalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground; mortarmen on brick or block manholes; toxic and hazardous waste work.

GROUP 2: Skilled Laborers - Head pipe layer on sewer work; laser beam man; Jackson or any other similar tamp; cutting torch man; form setters; liners and stringline men on concrete paving, curb, gutters; hot mastic kettleman; hot tar applicator; sandblasting and gunite nozzlemen; air tool operator in tunnels; screed man on asphalt machine; asphalt raker; barco tamper; churn drills; air track drills and all similar drills; vibrator man; stringline man for electronic grade control; manhole builders-brick or block; dynamite and powder men; grade checker.

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* LABO0660-004 05/01/2025

Clark, Knox, Lewis, Marion, Pike, Ralls, Scotland, Shelby Counties

	Rates	Fringes
LABORER		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man; material batch hopper man; spreader on asphalt machine;

material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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LABO0660-006 06/02/2025

Lincoln, Montgomery, St Charles and Warren Counties

	Rates	Fringes
LABORER (Common or General)	$ 36.91	15.62
Lincoln, Monntomery, and Warrner Counties	$ 39.76	15.96
St. Charles County	$ 41.18	15.96

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* LABO0662-001 05/01/2025

Callaway, Cole, Miller and Moniteau Counties

	Rates	Fringes
LABORER		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man; material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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LABO0663-002 04/01/2025

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
LABORER		
GROUP 1	$ 36.24	15.87
GROUP 2	$ 37.45	15.87

LABORERS CLASSIFICATIONS

GROUP 1: General laborers, Carpenter tenders, salamander tenders, loading trucks under bins, hoppers and conveyors, track men and all other general laborers, air tool operator, cement handler (bulk or sack), chain or concrete saw, deck hands, dump man on earth fill, Georgie Buggies man, material batch hopper man, scale man, material mixer

man (except on manholes), coffer dams, abutments and pier hole men working below ground, riprap pavers rock, black or brick, signal man, scaffolds over ten feet not self-supported from ground up, skipman on concrete paving, wire mesh setters on concrete paving, all work in connection with sewer,water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipelines, power tool operator, all work in connection with hydraulic or general dredging operations, straw blower nozzleman,asphalt plant platform man, chuck tender, crusher feeder, men handling creosote ties on creosote materials, men working with and handling epoxy material or materials (where special protection is required), topper of standing trees, batter board man on pipe and ditch work, feeder man on wood pulverizers, board and willow mat weavers and cable tiers on river work, deck hands, pile dike and revetment work, all laborers working on underground tunnels less than 25 feet where compressed air is not used, abutment and pier hole men working six (6) feet or more below ground, men working in coffer dams for bridge piers and footings in the river, ditchliners, pressure groutmen, caulker and chain or concrete saw, cliffscalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground, mortarmen on brick or block manholes, signal man.

GROUP 2: Skilled Laborer - spreader or screed man on asphalt machine, asphalt raker, grade checker, vibrator man, concrete saw over 5 hp., laser beam man, barco tamper, jackson or any other similar tamp, wagon driller, churn drills, air track drills and other similar drills, cutting torch man, form setters, liners and stringline men on concrete paving, curb, gutters and etc., hot mastic kettleman, hot tar applicator, hand blade operators, mortar men on brick or block manholes, sand blasting and gunnite nozzle men, rubbing concrete, air tool operator in tunnels, head pipe layer on sewer work, manhole builder (brick or block), dynamite and powder men.

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* LABO0840-011 05/01/2025

Crawford, Dent, Franklin, Gasconade, Howell, Maries, Oregon, Osage, Phelps, Pulaski, Shannon and Texas Counties

	Rates	Fringes
LABORER (Crawford, Dent, Gasconade, Howell, Maries, Oregon, Osage, Phelps, Pulaski, Shannon and Texas Counties)		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96
LABORER (Franklin County)		
GROUP 1	$ 40.31	15.96
GROUP 2	$ 40.31	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man;

material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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* LABO0955-012 05/01/2025

Adair, Audrain, Boone, Chariton, Cooper, Howard, Linn, Macon, Monroe, Putnam, Randolph, Schuyler and Sullivan Counties

	Rates	Fringes
LABORER		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man; material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete

paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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* LABO1104-005 05/01/2025

Bollinger, Butler, Cape Girardeau, Carter, Dunklin, Iron, Madison, Mississippi, New Madrid, Pemiscot, Perry, Reynolds, Ripley, Scott, St Francois, Ste Genevieve, Stoddard and Wayne Counties

	Rates	Fringes
LABORER		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man; material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage

pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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PAIN0002-002 09/01/2007

CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES

	Rates	Fringes
Painters:		
Brush and Roller; Taper	$ 28.61	10.24
High work over 60 feet	$ 29.11	10.24
Lead Abatement	$ 29.36	10.24
Pressure Roller; High work under 60 ft	$ 28.86	10.24
Spray & Abrasive Blasting; Water Blasting (Over 5000 PSI)	$ 30.61	10.24
Taper (Ames Tools & Bazooka)	$ 30.21	10.24

PAIN0002-006 04/01/2023

ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES and the City of Booneville.

	Rates	Fringes
Painters:		
Bridges, Dams, Locks or Powerhouses	$ 28.49	15.03
Brush and Roll; Taping, Paperhanging	$ 26.49	15.03
Epoxy or Any Two Part Coating; Sandblasting; Stage or other Aerial Work - Platforms over 50 feet high; Lead Abatement	$ 27.49	15.03
Spray; Structural Steel (over 50 feet)	$ 27.49	15.03
Tapers using Ames or Comparable Tools	$ 27.24	15.03

PAIN0003-004 04/01/2019

CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES

	Rates	Fringes
Painters:		
Bridgeman; Lead Abatement; Sandblast; Storage Bin & Tanks	$ 33.41	17.76
Brush & Roller	$ 30.54	17.76
Drywall	$ 31.74	17.76
Paper Hanger	$ 31.04	17.76
Stageman; Beltman; Steelman; Elevator Shaft; Bazooka, Boxes and Power Sander; Sprayman; Dipping	$ 32.41	17.76
Steeplejack	$ 36.98	17.76

PAIN0003-011 04/01/2019

BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES

	Rates	Fringes
Painters:		
Bridgeman; Lead Abatement; Sandblast; Storage Bin & Tanks	$ 26.73	17.76
Brush & Roller	$ 24.43	17.76
Drywall	$ 25.39	17.76
Paper Hanger	$ 24.83	17.76
Stageman; Beltman; Steelman; Elevator Shaft; Bazooka, Boxes and Power Sander; Sprayman; Dipping	$ 26.35	17.76
Steeplejack	$ 29.58	17.76

PAIN1185-008 04/01/2025

CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES

	Rates	Fringes
Painters:		
Brush and Roller	$ 33.90	17.21
Floor Work	$ 34.90	17.21
Lead Abatement	$ 33.25	17.21
Spray	$ 34.90	17.21
Structural Steel, Sandblasting and All Tank Work	$ 35.90	17.21
Taping, Paperhanging	$ 34.90	17.21

PAIN1292-002 09/01/2024

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, SHANNON, STODDARD and WAYNE COUNTIES

	Rates	Fringes
Painters:		
Bridges, Stacks & Tanks	$ 35.30	17.65
Brush & Roller	$ 29.80	17.65
Spray & Abrasive Blasting; Waterblasting (over 5000 PSI)	$ 31.80	17.65

Height Rates (All Areas):
Over 60 ft. $0.50 per hour.
Under 60 ft. $0.25 per hour.

PAIN1292-003 09/01/2024

IRON, MADISON, ST. FRANCOIS, STE. GENEVIEVE and WASHINGTON COUNTIES

	Rates	Fringes
Painters:		
Bridges, Stacks & Tanks	$ 35.30	17.65
Brush & Roller	$ 30.95	17.65
Spray & Abrasive Blasting; Waterblasting (Over 5000 PSI)	$ 32.95	17.65

Height Rates (All Areas):
0ver 60 ft. $0.50 per hour
Under 60 ft. $0.25 per hour.

PAIN2012-001 04/01/2025

ANDREW, ATCHISON, BUCHANAN, DE KALB, GENTRY, HOLT, NODAWAY & WORTH COUNTIES

	Rates	Fringes
Painters:		
Brush & Roller	$ 36.18	19.97

Sandblaster	$ 40.76	19.97
Steeplejack	$ 44.33	19.97

PAIN2015-001 04/01/2012

BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, and WRIGHT COUNTIES

	Rates	Fringes
Painters:		
Finisher	$ 20.18	11.33
Painter	$ 19.75	11.76
Sandblaster, High Man, Spray Man, Vinyl Hanger, Tool Operator	$ 21.18	11.33

PLAS0518-006 03/01/2025

BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, AND WRIGHT COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 30.37	12.43

PLAS0518-007 04/01/2025

CASS (Richards-Gebaur AFB only), CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Cement Masons:	$ 39.06	18.71

PLAS0518-011 04/01/2025

ANDREW, ATCHISON, BATES, BUCHANNAN, CLINTON, DEKALB, GENTRY, HENRY, HOLT, JOHNSON, LAFAYETTE, NODAWAY & WORTH COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 40.13	20.50

PLAS0518-019 03/01/2025

Adair, Audrain, Benton, Boone, Callaway, Caldwell, Camden, Carroll, Chariton, Cole, Cooper, Daviess, Gasconade, Grundy, Harrison, Howard, Linn, Livingston, Macon, Maries, Mercer, Miller, Moniteau, Monroe, Montgomery, Morgan, Osage, Pettis, Putnam, Randolph, Saline, Schuyler, Shelby and Sullivan Counties

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 33.52	15.88

PLAS0527-001 04/01/2023

	Rates	Fringes
CEMENT MASON		
FRANKLIN, LINCOLN AND WARREN COUNTIES	$ 37.29	20.23
JEFFERSON, ST. CHARLES COUNTIES AND ST.LOUIS (City and County)	$ 38.46	20.13

PLAS0527-004 06/01/2023

CRAWFORD, DENT, IRON, MADISON, MARION, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SHANNON, TEXAS, WASHINGTON COUNTIES

	Rates	Fringes
CEMENT MASON	$ 32.00	19.72

PLAS0908-001 05/01/2025

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, HOWELL, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, RIPLEY, SCOTT, STODDARD, AND WAYNE COUNTIES

	Rates	Fringes
CEMENT MASON	$ 35.10	18.78

PLUM0008-003 06/01/2024

CASS, CLAY, JACKSON, JOHNSON, AND PLATTE COUNTIES

	Rates	Fringes
Plumbers	$ 56.63	24.54

PLUM0008-017 06/01/2024

BATES, BENTON, CARROLL, HENRY, LAFAYETTE, MORGAN, PETTIS, RAY, ST. CLAIR, SALINE AND VERNON COUNTIES

	Rates	Fringes
Plumbers	$ 56.63	24.54

PLUM0045-003 08/01/2024

ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, HARRISON, HOLT, NODAWAY AND WORTH COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 47.45	26.15

PLUM0178-003 11/01/2024

BARRY, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, LACLEDE, LAWRENCE, POLK, STONE, TANEY, WEBSTER AND

WRIGHT COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 39.35	15.72

PLUM0178-006 11/01/2022

BARTON, JASPER, MCDONALD AND NEWTON COUNTIES

	Rates	Fringes
Plumbers and Pipefitters		
Projects $750,000 & under	$ 32.78	15.32
Projects over $750,000	$ 35.75	15.32

PLUM0533-004 06/01/2024

BATES, BENTON, CARROLL, CASS, CLAY, HENRY, HICKORY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY, SALINE, ST. CLAIR AND VERNON COUNTIES

	Rates	Fringes
Pipefitters	$ 55.56	25.80

PLUM0562-004 07/01/2023

ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY,CAMDEN, CAPE GIRARDEAU,CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, DUNKLIN, FRANKLIN, GASCONADE, GRUNDY, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCOLN, LINN, LIVINGSTON, MACON, MADISON, MARIES, MARION, MERCER, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, NEW MADRID, OREGON, OSAGE, PEMISCOTT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST.FRANCOIS, STE. GENEVIEVE, ST. LOUIS, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, SULLIVAN, TEXAS, WARREN, WASHINGTON,AND WAYNE COUNTIES.

	Rates	Fringes
Plumbers and Pipefitters		
Mechanical Contracts including all piping and temperature control work $7.0 million & under	$ 46.66	21.99
Mechanical Contracts including all piping and temperature control work over $7.0 million	$ 46.66	21.99

PLUM0562-016 07/01/2023

CAMDEN, COLE, CRAWFORD, FRANKLIN, JEFFERSON, MARIES, MILLER, MONITEAU, OSAGE, PHELPS, PULASKI, ST. CHARLES, ST. LOUIS (City and County), WARREN and WASHINGTON COUNTIES

	Rates	Fringes
Plumbers		
Mechanical Contracts		

including all piping and temperature control work $7.0 million & under.....$ 46.66 21.99

Mechanical Contracts including all piping and temperature control work over $7.0 million.....$ 46.66 21.99

TEAM0013-001 05/01/2025

	Rates	Fringes
Truck drivers (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES)		
GROUP 1	$ 35.84	15.85
GROUP 2	$ 35.99	15.85
GROUP 3	$ 36.11	15.85
GROUP 4	$ 35.74	15.85
Truck drivers (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES)		
GROUP 1	$ 36.57	15.85
GROUP 2	$ 36.72	15.85
GROUP 3	$ 36.84	15.85
GROUP 4	$ 36.73	15.85
Truck drivers (FRANKLIN, JEFFERSON and ST. CHARLES COUNTIES)		
GROUP 1	$ 38.93	15.85
GROUP 2	$ 39.08	15.85
GROUP 3	$ 39.15	15.85
GROUP 4	$ 39.04	15.85
Truck drivers (LINCOLN and WARREN COUNTIES)		
GROUP 1	$ 37.58	15.85
GROUP 2	$ 38.73	15.85
GROUP 3	$ 37.80	15.85
GROUP 4	$ 37.69	15.85

TRUCK DRIVERS CLASSIFICATIONS:

GROUP 1: Flat Bed Trucks, Single Axle; Station Wagons; Pickup Trucks; Material Trucks, Single Axle; Tank Wagon, Single Axle

GROUP 2: Agitator and Transit Mix Trucks

GROUP 3: Flat Bed Trucks, Tandem Axle; Articulated Dump Trucks; Material Trucks, Tandem Axle; Tank Wagon, Tandem Axle

GROUP 4: Semi and/or Pole Trailers; Winch, Fork & Steel Trucks; Distributor Drivers and Operators; Tank Wagon, Semi-Trailer; Insley Wagons, Dumpsters, Half-Tracks, Speedace, Euclids and other similar equipment; A-Frame and Derrick Trucks; Float or Low Boy

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TEAM0056-001 05/01/2025

	Rates	Fringes
Truck drivers (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICHKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)		
GROUP 1	$ 36.27	15.85
GROUP 2	$ 36.43	15.85
GROUP 3	$ 36.42	15.85
GROUP 4	$ 36.54	15.85
Truck drivers: (ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES)		
GROUP 1	$ 35.54	15.85
GROUP 2	$ 35.70	15.85
GROUP 3	$ 35.69	15.85
GROUP 4	$ 35.81	15.85
Truck drivers; (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES)		
GROUP 1	$ 35.93	15.75
GROUP 2	$ 36.04	15.75
GROUP 3	$ 36.08	15.75
GROUP 4	$ 36.08	15.75

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Flat bed trucks single axle; station wagons; pickup trucks; material trucks single axle; tank wagons single axle.

GROUP 2: Agitator and transit mix-trucks.

GROUP 3: Flat bed trucks tandem axle; articulated dump trucks; material trucks tandem axle; tank wagons tandem axle.

GROUP 4: Semi and/or pole trailers; winch, fork & steel trucks; distributor drivers & operators; tank wagons semi-trailer; insley wagons, dumpsters, half-tracks, speedace, euclids & other similar equipment; A-frames and derrick trucks; float or low boy.

TEAM0245-001 03/26/2012

BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DALLAS, DENT, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LACLEDE, LAWRENCE, MCDONALD, MILLER, NEWTON, OZARK, PHELPS, POLK, PULASKI, SHANNON, STONE, TANEY, TEXAS, VERNON, WEBSTER AND WRIGHT COUNTIES

	Rates	Fringes
Truck drivers:		
Traffic Control Service Driver	$ 20.45	0.00

PAID HOLIDAYS: New Year's Day, Decoration Day, July 4th, Labor Day, Thanksgiving Day, Christmas Day, employee's birthday and 2 personal days.

TEAM0541-001 04/01/2025

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 38.61	15.85
GROUP 2	$ 38.04	15.85
GROUP 3	$ 37.52	15.85

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Mechanics and Welders, Field; A-Frame Low Boy-Boom ruck Driver.

GROUP 2: Articulated Dump Truck; Insley Wagons: Dump Trucks, Excavating, 5 cu yds and over; Dumpsters; Half-Tracks: Speedace: Euclids & similar excavating equipment Material trucks, Tandem Two teams; Semi-Trailers; Winch trucks-Fork trucks; Distributor Drivers and Operators; Agitator and Transit Mix; Tank Wagon Drivers, Tandem or Semi; One Team; Station Wagons; Pickup Trucks; Material Trucks, Single Axle; Tank Wagon Drivers, Single Axle

GROUP 3: Oilers and Greasers - Field

TEAM0682-002 05/01/2025

ST LOUIS CITY AND COUNTY

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 37.83	9.85+a+b+c
GROUP 2	$ 37.83	9.85+a+b+c
GROUP 3	$ 37.83	9.85+a+b+c

a. PENSION: 5/1/2012 - $182.20 per week.

b. HAZMAT PREMIUM: If Hazmat certification on a job site is required by a state or federal agency or requested by project owner or by the employer, employees on that job site shall receive $1.50 premium pay.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - Pick-up trucks; forklift, single axle; flatbed trucks; job site ambulance, and trucks or trailers of a water level capacity of 11.99 cu. yds. or less

GROUP 2 - Trucks or trailers of a water level capacity of 12.0 cu yds. up to 22.0 cu yds. including euclids, speedace and similar equipment of same capacity and compressors

GROUP 3 - Trucks or trailers of a water level capacity of 22.0 cu. yds & over including euclids, speedace & all floats, flatbed trailers, boom trucks, winch trucks, including small trailers, farm wagons tilt-top trailers, field offices, tool trailers, concrete pumps, concrete conveyors & gasoline tank trailers and truck mounted mobile concrete mixers

FOOTNOTE FOR TRUCK DRIVERS:

c. PAID HOLIDAYS: Christmas Day, Independence Day, Labor Day, Memorial Day, Veterans Day, New Years Day, Thanksgiving Day

d. PAID VACATION: 3 days paid vacation for 600 hours of service in any one contract year; 4 days paid vacation for 800 hours of service in any one contract year; 5 days paid vacation for 1,000 hours of service in any one contract year. When such an employee has completed 3 years of continuous employment with the same employer and then works the above required number of hours, he shall receive double the number of days of vacation specified above. When such an employee has completed 10 years of continuous employment with the same employer and then works the above required number of hours, he shall receive triple the number of days of vacation specified above. When such an employee has completed 15 years of continuous employment with the same employer and then works the above required number of hours, he shall receive 4 times the number of days of vacation specified above.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO

is available at
https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates
in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007

6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

a) a survey underlying a wage determination
b) an existing published wage determination
c) an initial WHD letter setting forth a position on a wage determination matter
d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

QUANTITIES - PHASE 2 MASON ST

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
	ROADWAY		
202-20.10	REMOVAL OF IMPROVEMENTS	LS	1
207-20.00	LINEAR GRADING CLASS 2	STA	8.7
304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	3,485.2
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9
401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.)	TONS	751.6
502-11.08	CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS)	SY	331.8
609-10.51	CURB & GUTTER TYPE A	LF	221
609-10.52	CURB & GUTTER TYPE B	LF	578
609-99.03	CURB & GUTTER TYPE C	LF	115
609-99.03	CURB RAMP CURB & GUTTER	LF	65
609-99.03	DRIVEWAY CURB & GUTTER	LF	324
618-10.00	MOBILIZATION	LS	1
627-40.00	CONTRACTOR SURVEYING & STAKING	LS	1
	SIGNING, STRIPING, SIGNAL, LIGHTING		
620-60.00D	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1,536
620-60.01D	4 IN. YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1,570
620-61.24B	24 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	24
620-99.02	INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)	EA	7
620-99.03	6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	120
620-99.03	4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	581
903-50.04A	SH-FLAT SHEET	SF	46
903-99.02	SIGN POSTS	EA	4
	BIKE/PED FACILITILES		
304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	1,497.8
502-99.07	INTEGRAL RETAINING WALL W/ REINFORCING	CY	15.0
608-10.10	CONCRETE CURB RAMP	SY	104.1
608-10.12	TRUNCATED DOMES	SF	150
608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS	LF	9
608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF	329
608-99.05	CONCRETE SIDEWALK, 6" IN.	SY	1,497.8
	LANDSCAPING/STREETSCAPING		
604-20.10	ADJUST MANHOLE HEIGHT	EA	2
604-99.02	ADJUST HEIGHT OF FIRE HYDRANT	EA	1
	TRAFFIC CONTROL		
616-10.22	CHANNELIZER (CONE)	EA	16
616-10.30	TYPE 3 MOVEABLE BARRICADE	EA	4
903-50.04A	SH-FLAT SHEET	SF	90

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
	ROADWAY BID ALTERNATE		
502-11.07	CONCRETE PAVEMENT (7 IN. NON-REINFORCED)	SY	2705.1
	ROADWAY ADD ALTERNATE		
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	256.3
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	256.3
622-10.03	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (GREATER THAN 3 IN. THICK)	SY	2,306

NOTES:

ALL SCHEDULE 40 PVC ELBOWS, SCHEDULE 80 PVC ELBOWS & STUB-UPS ARE SUBSIDIARY TO SCHEDULE 40 PVC CONDUIT ON STUB-UPS/ ELBOWS AND ARE RIGID GALVANIZED AT EXTERIOR ABOVE GRADE LOCATIONS. REFER TO ELECTRICAL PLAN SHEETS.

REFER TO ELECTRICAL PLAN SHEETS FOR ELECTRICAL EQUIPMENT RACK DETAILS
-GROUND ROD, ELECTRICAL UTILITY METER (PROVIDED BY CITY), ELECTRICAL PANEL BOARD, LIGHTING CONTROL PANEL AND ANY OTHER ITEMS NECESSARY FOR THE ELECTRICAL EQUIPMENT RACK ARE SUBSIDIARY TO THE ELECTRICAL EQUIPMENT RANK

ANY ITEMS NOT SHOWN IN THE QUANTITIES SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT FORM 106, TO MISSOURI DEPARTMENT OF NATURAL RESOURCES, HISTORICAL PRESERVATION PROGRAM FOR ANY BORROW AREAS TO BE USED ON THIS PROJECT.

ALL STRUCTURAL BACKFILL IS CONSIDERED SUBSIDIARY TO INTEGRAL RETAINING WALL BID ITEM.

GENERAL NOTES

DESIGN SPECIFICATIONS:
2011 AASHTO ROADSIDE DESIGN GUIDE, 4TH EDITION

CONSTRUCTION SPECIFICATIONS:
MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2025 EDITION

MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION, 2025 EDITION

NOTES:

1. EXISTING UTILITIES AND UNDERGROUND INSTALLATIONS HAVE BEEN LOCATED TO THE GREATEST EXTENT PRACTICAL THROUGH REVIEW OF CONSTRUCTION PLANS AND SURFACE OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL HORIZONTAL AND VERTICAL LINES AND GRADES OF EXISTING UTILITIES PRIOR TO THE CONSTRUCTION OF IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERING A DISCREPANCY BETWEEN THE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS. CONTACT ONE CALL.
2. THE CONTRACTOR MUST COORDINATE CONSTRUCTION WITH THE NECESSARY AUTHORITIES.
3. NO WORK SHALL COMMENCE UNTIL ALL NECESSARY PERMITS ARE OBTAINED BY THE OWNER.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINE AND GRADE STAKES.
5. CONTRACTOR SHALL REMOVE, PRESERVE, AND REPLACE ALL SIGNS, MAIL BOXES, FENCES, METAL FLAG POLE BASES AND THE LIKE, WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENTS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
6. ALL TRAFFIC WAYS INCLUDING DRIVEWAYS, ALLEYWAYS, ETC., SHALL REMAIN ACCESSIBLE TO RESIDENTIAL AND EMERGENCY VEHICLES DURING PROJECT DURATION.
7. ALL CONSTRUCTION AND EXCAVATION ACTIVITIES SHALL BE CONFINED TO EASEMENTS, ROAD RIGHT-OF-WAY, AND/OR WORK AREA LIMITS AS SHOWN ON DRAWINGS.
8. CONTRACTOR SHALL RAISE OR LOWER ALL AFFECTED MANHOLE RIMS AND VALVE BOXES IN THE WORK AREA TO MATCH PROPOSED GRADE.
9. ALL AREAS DISTURBED BY CONSTRUCTION ARE FIRST TO BE FINE GRADED AND THEN FOLLOWED BY SEED AND STRAW MULCH, UNLESS OTHERWISE NOTED, OVER, MIN. 4" TOPSOIL STOCKPILED FROM SITE OR HAULED IN AS REQUIRED.
10. PROVIDE POSITIVE DRAINAGE FROM ALL IMPROVED AREAS, SO THAT RUNOFF DRAINS TO DRAIN WAYS.
11. ALL CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISH GRADE.
12. ANY DAMAGE TO EXISTING STRUCTURES, VEGETATION, OR IMPROVEMENTS RESULTING FROM NEW CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
13. ALL SIDEWALKS AND ADA RAMPS SHALL BE IN ACCORDANCE WITH ADA REGULATIONS.
14. CONTRACTOR TO PROTECT ANY STORM INLETS, THAT RECEIVE STORM WATER FROM THE AREA OF CONSTRUCTION, FROM SEDIMENT. EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING THE WHOLE CONSTRUCTION PERIOD BY THE CONTRACTOR. ALL EROSION CONTROL DEVICES, NOT LISTED IN THE PLANS, SHALL BE INCIDENTAL TO CONSTRUCTION.
15. ALL TRENCHES, WHICH LIE UNDER PROPOSED PAVEMENT, OR LIE WITHIN TWO FEET OF BACK OF CURB, SHALL BE BACKFILLED TO PAVEMENT SUB-GRADE WITH COMPACTED GRANULAR BACK FILL.
16. TRENCHES SHALL BE COMPACTED TO 95% STANDARD PROCTOR WHEN PIPES ARE LAID IN FILL.
17. ALL REMOVALS NECESSARY TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS, SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
18. ALL ELEVATION NEED TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION BY CONTRACTOR AND ENGINEER.
2 19. HAND-RAILING WILL BE COATED IN A BLACK FINISHED SURFACE, CORROSION-RESISTANT PAINT SYSTEM. THE SPECIFIC PRODUCT SHALL REQUIRE ENGINEER APPROVAL PRIOR TO APPLICATION.

LEGEND
(USED IN PLANS)

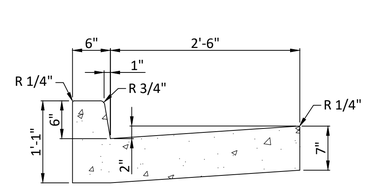
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING FEATURE
- EXISTING FENCE
- EXISTING GUARDRAIL
- SECTION LINE
- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING STORM WATER
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER
- EXISTING UNDERGROUND ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING UNDERGROUND TELEPHONE
- EXISTING OVERHEAD TELEPHONE
- EXISTING FIBER OPTIC
- EXISTING UNDERGROUND CABLE TV
- EXISTING OVERHEAD CABLE TV
- EXISTING MAILBOX
- EXISTING FLAG POLE
- EXISTING STORM INLET
- EXISTING GAS METER
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING SANITARY MANHOLE
- EXISTING SANITARY CLEANOUT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING GUY WIRE ANCHOR
- EXISTING GROUND LIGHT
- EXISTING TELEPHONE PEDESTAL
- EXISTING SIGN
- EXISTING TREE
- CONTROL POINT
- FOUND CORNER
- EXISTING BENCHMARK

NOTE:
DASHED OR SCREENED SYMBOL INDICATES EXISTING FEATURE.

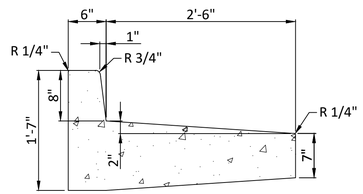
ABBREVIATION TABLE

BC:	BACK OF CURB
℄	CENTERLINE
CONT.	CONTINUOUS
C.P.	CONTROL POINT
EG:	EXISTING GRADE
EX.	EXISTING
FG:	FINISH GRADE
FL:	FLOW LINE
GL:	GUTTER LINE
MAX.	MAXIMUM
MIN.	MINIMUM
OFF:	OFFSET
℄ℙ	PROPERTY LINE
PR.	PROPOSED
R/W	RIGHT-OF-WAY
STA:	STATION
TBM	TEMPORARY BENCHMARK
T.C.E.	TEMPORARY CONSTRUCTION EASEMENT
TEMP.	TEMPORARY
TYP.	TYPICAL

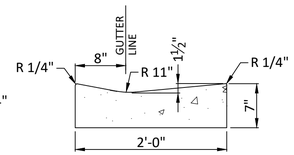
CURB & GUTTER DETAILS



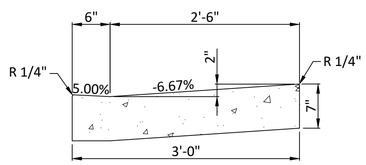
TYPE 'A' CURB & GUTTER - MODIFIED



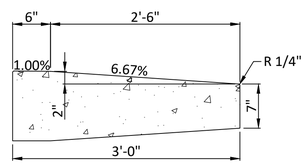
TYPE 'B' CURB & GUTTER - DRY



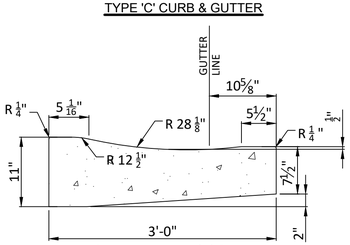
TYPE 'C' CURB & GUTTER



CURB RAMP CURB & GUTTER - WET



CURB RAMP CURB & GUTTER - DRY



STANDARD TYPE 'A' CURB

ANDERSON ENGINEERING
EMPLOYEE OWNED
ENGINEERS - SURVEYORS - LABORATORIES - DRILLING
941 W. 141ST TERRACE • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-0400
ANDERSON ENGINEERING COA# 000062

STATE OF MISSOURI
GREGORY SCOTT PARKER
NUMBER PE-2025008037
12/11/2025
PROFESSIONAL ENGINEER

DRAWING INFO.
FIELD BY:
DRAWN BY: NDO
CHECK BY:
DATE: 12/11/2025
FIELD BOOK:
JOB NUMBER: TAP-9901(443)

NO.	DESCRIPTION	BY	DATE
1	PLANS FOR BID	KEL	09/30/25
2	ADDENDUM NO. 2	KEP	12/11/2025

REVISIONS

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QUANTITES & GENERAL NOTES
MASON STREET HISTORICAL
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, MO

SHEET NUMBER 03
OF 81

D:\Shared drives\MO\Odessa\2-Work\03 - TAP-9901(443) Odessa- 2nd st Downtown\CAD\Plans\Typical Sections

Pre-Bid Meeting Agenda

City of Odessa Sidewalk Improvements **December 3, 2025**

TAP-9901(440) 2nd Street & TAP-9901(443) Mason Street **10:30 AM**

1) Introduction
    a. Sign-in
        i. A link to a google form for a sign-in sheet will be posted in the chat, please fill out the requested information so we have accurate contact information
        ii. Link and QR Code:
            1. https://forms.office.com/r/50NDNSA8nL
    b. City Staff
    c. Design Team

2) General Information
    a. DBE Requirements
        i. There is 0% DBE requirement for these projects, but it is still encouraged for contractors to utilize DBE company if beneficial to the project
    b. Phasing
        i. Contractors can propose an alternate demolition and construction phasing plan to be approved by engineer to minimize impact on business owners and improve project efficiency.
    c. Scheduling
        i. Each project is allotted 120 calendar days for construction
            1. Once work begins a given project/phase area the calendar days will begin
            2. Notice to proceed for each project/phase to be mutually agreed upon by City and Contractor Prior to start of construction
    d. Contractor RFIs
        i. Any additional questions past the pre-bid meeting must be submitted by email to Mitch Gibler (OWN) at mgibler@weareown.com by Monday December 8, 2025, at 2:00 PM
        ii. We have received several questions from contractors, we are compiling into a document and will post all questions with answers to Drexel Technologies Plan Room no later than Thursday December 11, 2025
        iii. If any questions result in an Addendum, the Addendum will be posted no later than 7 days prior to the bid opening (Thursday December 11, 2025) at 2:00 PM
    e. Contractor Selection
        i. The project will be awarded to the combined lowest responsible bidder for projects TAP-9901(440) and TAP-9901(443)
    f. Prevailing Wage Rates
        i. Prevailing Wage (Federal and State) requirements (Page 7 of Specifications)
            1. Highest of the two applicable
                a. State
                    i. Missouri Division of Labor Standards Annual Wage Order No. 32, Section 054, Lafayette County, Missouri
                b. Federal
                    i. “General Decision Number: MO20250001 07/18/2025, Superseded General Decision Number: M020240001, State: Missouri, Construction Types: Heavy and Highway, Counties: Missouri Stateside”

▪Revised “Federal Prevailing Wage MO20250001 Modification 7, 07/18/2025” with “Federal Prevailing Wage MO20250001 11/21/2025 MOD 11, 11/21/2025”

    g. Electrical Construction Responsibilities
        i. A table of responsibilities for electrical construction is shown on plan sheet E603 for each project

Pre-Bid Meeting Agenda

City of Odessa Sidewalk Improvements **December 3, 2025**

TAP-9901(440) 2nd Street & TAP-9901(443) Mason Street **10:30 AM**

3) Deliverables
   a. Sealed Envelope Delivered to City of Odessa, Missouri, City Hall, 228 S. 2nd Street Odessa, MO 64076
      i. Attn: Shawna Davis
      ii. Fax or email bids will not be accepted
   b. Envelope Must include at a minimum
      i. Request for Bid filled out with Contractor's Information (Page 1 of Specifications)
      ii. Bidder Checklist (Page 4)
         1. We encourage Contractor's to fill out checklist to ensure all required documents have been included, but not required
      iii. Bid Guaranty Type (Page 7)
      iv. Certification for Federal Jobs (Page 7)
         1. Bid Package must include standalone documents for:
            a. Certification Regarding Anti-collusion
            b. Certification Regarding Use of Contract Funds for Lobbying
            c. Certification Regarding Debarment and Suspension
            d. Certification Regarding Affirmative Action and Equal Opportunity

standalone documents will not be required, as stated in section (6) Certification for Federal Jobs, by signing and submitting the bid you are making a certification to follow the listed requirements

      v. Signature and Identity of Bidder (Page 9)
      vi. Itemized proposal (Page 12 or Page 14)
         1. If bid is for individual project, fill out Page 12
         2. If bid is for both combined, fill out Page 14
         3. If an addendum is posted, Contractor will verify receipt by notating the addendum numbers at the bottom of the itemized proposal and attach the addendum(s) to the bid package
      vii. Bid Bond (Page 15)
         1. Complete Bid Bond in its entirety with seal and signatures
         2. Must include Sealed and Notarized Bid Guaranty, or Cashier's Check
            a. If Bid Bond is not included, the contractor's bid will not be read aloud and will be disqualified
      viii. Bidder's List Quote Summary (Page 16)
      ix. DBE Submittal Forms (Page17-27)

4) Contractor Questions
   a. Open forum for Discussion
      i. Please put questions in video call chat so they can be logged

5) Close Meeting

Questions and Answers from Contractors

City of Odessa Sidewalk Improvements (TAP-9901(440) and TAP-9901(334)

#1 - 11/21/2025 - Mueller Machine Works – Phase: 2nd Street, Referenced Sheet: 36

Q: Sheet #36 shows detail of handrail run and calls out 1 unit = 20'. For example, from station point 13+17.47 to 13+69.06 which equates to a run of 51.6LF of railing. Our question is will the railing be required to be in unit sections that have completed ends shown on sheet #36 that will start and stop as shown with no more than a 6" space between or does the railing need to be continues thus having slip joints to connect one section to another? Due to the railing being galvanized, any fabricated lengths of railing have a max of 30' for the galvanizing process.

A: The 20' units are standard MoDOT sections for minimum requirements. With the project being complex on slopes that vary along lengths of locations where railing is to be installed, the contractor/supplier can submit proposed shop drawings for review and approval. We understand that there will most likely be segments of rail that can't conform perfectly to the standard and will work with the contractor/supplier to make sure minimum requirements are met and also provide reasonable means to accommodate fabrication limitations.

#2 – 11/21/2025 - Mueller Machine Works – Phase: 2nd Street, Referenced Sheet: 37

Q: Sheet #37 in the notes calls for the railing to be galvanized. Will the galvanized finish be the completed finish or will the railing need to be colored?

A: Galvanized finish will be the completed finish. City wants painted black finish.

Corrected A: City wants painted black finish. Galvanizing is not needed if finished in black corrosive resistant paint system

#3 - 11/21/2025 - Mueller Machine Works – Phase: 2nd Street, Referenced Sheet: 37

Q: Sheet #37 shows multiple mounting styles. Will the socket mounting style be a acceptable mounting style for this project? This style is our preference for mounting railing because this method allows for any inconsistences in the concrete and or fabrication of the railing.

A: Yes, socketed mounting will be acceptable as long as the mounting follows guidance provided on Sheet 37 (MoDOT Standard Sheet 608.40A). There will most likely be some location where a mounting plate will be necessary due to the amount of concrete provided beneath the surface grade.

#4 – 11/24/2025 – Epic Concrete Construction Inc. – Phase: Both, Refenced Sheet: Itemized Proposal

Q: Reviewing the Bid Forms (itemized proposals) in each specification manual, the combined bid forms for each project is the same as the individual bid tab itemized breakout for both the individual and combined. I was wondering if the combined itemized proposal was to include both Tap 400 & 403 in both specifications. Also, it would make life a little easier at bid time if we could just submit the combined itemized bid tab proposal for both vs. doing individual bids for each. That is a lot of writing as numbers are coming in and still have to drive there.

A: These two projects are separate but being let quasi in conjunction. Due to requirements from MoDOT this is how we were directed to have these bid out.
Like you mentioned, the itemized proposal is identical in each given project's bid form. One is titled as an individual and one is titled to be in conjunction with the other. If Epic plans to bid on both then the one titled in conjunction (I think it's the second bid form in each project) would be the only one you'd fill out.
How I intend for the Bid Opening to go is we will read the bids for one project at a time with listing the total cost once for each contractor bid since there should only be one bid submitted for each project (the individual vs the combined).
In the perfect world this would have been submitted as one combined project but due to the funding this is how we were directed by MoDOT to present to contractors.

#5 – 12/2/2025 – KAT Excavation – Phase: Both. Reference Sheet: Itemized Proposal

Q: Not sure if I'm missing something but the bid sheets for the combo looks to be the same as the others, could you confirm please.

A: Yes the combo is the same as the individual. Since these are two separate projects from a funding stand point MoDOT required us to present the Itemized proposals in this way.
If you are to be submitting a bid on both projects you will only need to fill out the combo sheet for each project, essentially verifying you are submitting for both projects combined.
If you are intending on submitting on just one of the two projects you'd fill out the individual itemized proposal.

#6 – 12/8/2025 – Ti-Zack Concrete – Phase: Both, Reference Sheet: Itemized Proposal

Q: I am looking at the specifications for the Odessa MO projects, TAP-9901(443) and TAP-9901(440) that bid on December 18th and have a couple of questions.
If we bid the projects as a bundle do we need to have two bid bonds or one?
If we bid the projects as a bundle do we need only need to submit one set of bidding documents with the bid form with both projects listed?

A: Yes there will need to be a bid bond for each individual project.
If bidding as a bundle you will need to submit two sets of bidding documents. In submitting as a bundle you will need to fill out the second itemized proposal located in the bidding documents (itemized proposal after the page stating "Form For Entering A Bid on Both Project" indicating you are submitting a combined bid.

#7 – 12/3/2025 – Taylor Books – Phase: Both, Referenced Sheet: Itemized Proposal

Q: The combined itemized proposals for both spec books have different quantities on them, but are they supposed to be combined together on both of them?

A: No, it is the exact same itemized proposal as the individual since these are two separate funding pools through MoDOT.

#8 – 12/8/2025 – KAT Excavation, Inc. – Phase: Both, Referenced Sheet: Electrical Plans

Q: I have a question about the owner provided poles and bollards 1. Are all electrical receptacles on poles and bollards going to be installed in external boxes? Or are there holes designed for receptacle boxes in the poles and bollards?

A: Looking into the supplier submittals, the receptacles should be fabricated into the bollards and the poles. They are set hole locations that are denoted in the electrical plans.

#9 – 11/21/2025 - Mueller Machine Works – Phase: 2nd Street, Referenced Sheet: General

Q: For project phasing and progression, field verifying of measurements is required prior to any shop drawings and fabrication of railing. There is roughly a 4-week lead time (2 week minimum for fabrication and 7-10 working days for galvanizing) from time of concrete being

poured to installation of railing. Will it be required to place temporary railing at new ramp locations or will the ramps be closed off to public access till time of installation of railing?

A: It is encouraged that the contractor and supplier coordinate to minimize the amount of disruption in the construction process. If the contractor identifies certain efficiencies in the phasing of construction they can submit their proposal to the engineer and city for approval. An Example would be if the contractor wants to tackle all locations where railing is required at a the same time to meet galvanizing minimum charge, they would submit a request for approval to the City and Engineer so that the construction process is minimally impacted waiting for railing to be delivered all at once.

#10 – 11/21/2025 – Mueller Machine Works – Phase: 2nd Street, Reference Sheet: General

Q: In regard to project phasing, the galvanizers close by as in AZZ in Kansas City or Moning's in Glasgow have a minimum charge for galvanizing items. Individual railing location by themselves won't meet the minimum charge by themselves; however, if a number of railing sections are made and sent to galvanizing then they will. Question is will there be any limitations in disrupted construction areas along both mason street or 2nd street?

A: It is encouraged that the contractor and supplier coordinate to minimize the amount of disruption in the construction process. If the contractor identifies certain efficiencies in the phasing of construction they can submit their proposal to the engineer and city for approval. An Example would be if the contractor wants to tackle all locations where railing is required at a the same time to meet galvanizing minimum charge, they would submit a request for approval to the City and Engineer so that the construction process is minimally impacted waiting for railing to be delivered all at once.

#11 – 12/3/2025 – 816-*-**88 – Phase: Both, Referenced Sheet: General**

Q: Will inspections be through MoDOT or the City? Will there be a 24 hour notice or will they be close to site?

A: It will be through a consultant hired by the City with the occasional that MoDOT sometimes likes to show up. At a minimum, MoDOT will be there at semifinal inspection and final inspection. I would anticipate giving a 24 hour notice.

Pre-Bid Meeting Sign-in Sheet

City of Odessa Sidewalk Improvements — December 3, 2025

TAP-9901(440) 2nd Street & TAP-9901(443) Mason Street — 10:30 AM

Id	Full Name	Company Name	Email Address	Phone Number
1	Wade Howard	Metro Asphalt	whoward@metroasphalt.net	8166609805
2	Bill Rash	JM Fahey Constraction	bids@jmfahey.com	816-763-3010
3	Shawn Berkey	Realm Construction Inc.	shawnb@realmconstructioninc.com	816-809-7613
4	Cole Keedwell	Epic Concrete Construction	cole@epiccc.com	8165100940
5	Eric Sions	Mueller Machine Works	muellermachine@ctcis.net	816-565-1919
6	Hector Tabora	INCO USA, LLC	htabora@inco-usa.net	(913) 333-6020
7	Mitch Gibler	OWN, Inc	mgibler@weareown.com	816-810-9650
8	Michael gann	Max paving	Mike@maxpavingkc.com	8162403688
9	Zachary Oursler	ESI Contracting, Corp.	zoursler@esi-cc.com	515-657-0187
10	Bart Fisher	Epic Concrete Construction, Inc.	bart@epiccc.com	816-861-3300
11	Colton Hilbrenner	Hotmer Excavation	chilbrenner99@gmail.com	8166613463
12	Jeff Richardson	Musselman & Hall Contractors	Jrichardson@musselmanandhall.com	8168139739
13	Dan Hansen	Radmacher Brothers Excavating	Dhansen@RBEmidwest.com	816-540-3614
14	Leticia DeCaigny	OWN, Inc.	ldecaigny@weareown.com	816-868-2678
15	Troy Ailor	KAT Excavation Inc	tailor@katexcavation.com	816-956-1492
16	Taylor Brooks	McConnell & Associates	t.brooks@mcconnellassociates.org	816-730-5374
17	Francisco Chávez	Cm Concrete Inc	Cmconcreteks@gmail.com	816-405-3414
18	Brad Boyles	MegaKC Corporation	megabids@megakc.com	8164728722
19	Andrew Nelson	Radmacher Brothers Excavating	anelson@rbemidwest.com	816-540-3614
20	Lisa Bailey	KAT Excavation Inc	lbailey@katexcavation.com	816-690-4611
21	Scott Vilas	Navigate Building Solutions	scott@navigatebuildingsolutions.com	832-535-7204
22	Tom Marten	Gunter Construction	thomas@gunterkc.com	9133627844
23	Ethan Stanfill	MegaKC	estanfill@megakc.com	8168766975
24	Nathan Schoeck	MegaKC	nschoeck@megakc.com	484-369-1000

TAP-9901(443)

City Of Odessa
Odessa, Missouri

REQUEST FOR BID

BID OF

Bidder Name_____

Bidder Address_____

_____

FOR
CONSTRUCTING OR IMPROVING
Odessa Mason Street Sidewalk, Ramps, & Street Improvements
Phase II

228 S. 2nd Street
Odessa, MO 64076
Lafayette County

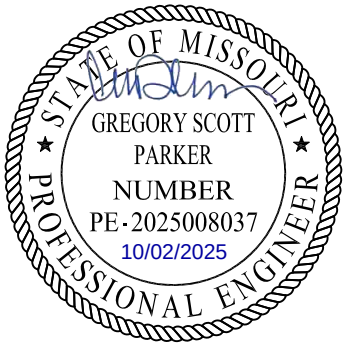
TAP-9901(443)

City of Odessa
Odessa, Missouri

CONTRACT
AND
BOND
FOR
CONSTRUCTING OR IMPROVING
Odessa Mason Street Sidewalk, Ramps, & Street Improvements
Phase II

228 S. 2nd Street
Odessa, MO 64076
Lafayette County

PREPARED BY:



OWN
Engineering beyond.™

8455 College Boulevard, Overland Park, KS 66210
816-777-0400

October 2025

Odessa Mason Street Sidewalk, Ramps, & Street Improvements
Phase II
Invitation to Bid

SEALED BIDS for construction of City of Odessa Sidewalks Improvements, TAP-9901(443) Odessa, Missouri will be received by the City of Odessa, 228 S. 2nd Street, Odessa Missouri 64076 until 2:00 p.m. prevailing local time, December 18, 2025, and then publicly opened and read aloud at the City of Odessa, 228 S. 2nd Street, Odessa, Missouri 64076.

The proposed work includes: Construction of ADA compliant Sidewalk, Ramps, & Street Improvements.

Project TAP-9901(443) may be bid as an individual project or as a package bundle with TAP-9901(440). The Contract, if awarded, will be awarded to the lowest responsive, responsible bidder or bidders – complying with the Conditions of the Contract Documents within the Owner's budget – whose combined contract TAP-9901(443) and TAP-9901(440) amount provides the lowest overall price.

Copies of plans and specifications can be seen or purchased for a Non-Refundable fee on-line at www.drexeltech.com in their eDistribution plan room, additional assistance is available at distribution@drexeltech.com. Information regarding this project can be found in the "Public Jobs" link on the website. Contractors desiring the Contract Documents for use in preparing bids may also obtain a set of such documents from Drexel Technologies; 10840 West 86th Street, Lenexa, KS 66214, telephone number is 913-371-4430. Bidding documents will be shipped only if the requesting party assumes responsibility for all related charges. Corporate, certified, or cashier's checks shall be made payable to Drexel Technologies, Inc. Any questions regarding the project, plans, specifications, or bid documents should be directed to OWN, Inc., at 816-777-0400.

A pre-bid conference will be held virtually at 10:30 AM on the 3rd day of December. **All bidders are encouraged to attend the pre-bid meeting.**

We recommend questions to be submitted beforehand to Mitch Gibler at mgibler@weareown.com so they can be addressed during the meeting.
Invitation to Pre-Bid Meeting: City of Odessa Sidewalk Improvements
Wednesday, December 3 · 10:30 – 11:30am
Time zone: America/Chicago
Google Meet joining info
Video call link: https://meet.google.com/npw-cdzt-heq
Or dial: (US) +1 414-797-3489 PIN: 793 057 710#
More phone numbers: https://tel.meet/npw-cdzt-heq?pin=3269431639246

All labor used in the construction of this public improvement shall be paid a wage no less than the prevailing hourly rate of wages of work of a similar character in this locality as established by the Department of Labor and Industrial Relations (Federal Wage Rate), or state wage rate, whichever is higher.

The City of Odessa hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

All bidders must be on MoDOT's Qualified Contractor List per Section 102.2 from the current version of the Missouri Standard Specifications for Highway Construction, including all revisions. The contractor questionnaire must be on file 7 days prior to bid opening.

Contractors and sub-contractors who sign a contract to work on public works project provide a 10-Hour OSHA construction safety program, or similar program approved by the Department of Labor and Industrial Relations, to be completed by their on-site employees within sixty (60) days of beginning work on the construction project.

A certified or cashier's check or a bid bond in the amount of 5% shall be submitted with each proposal.

The City of Odessa, Missouri reserves the right to waive any informalities or minor defects or to reject any or all bids and to re-advertise and to rebid. All materials for the project shall be tax exempt.

The DBE Goal for this project is 0%.

BIDDER CHECKLIST
FINAL CHECKLIST BEFORE SUBMITTING BID

☐ 1. Submit completed Contractor Questionnaire and/or Contractor Prequalification Questionnaire with attachments not later than seven (7) days prior to the date and hour of the bid opening. See Secs 101-103 of the Standard Specifications, and Rule 7 CSR 10-15.900, "Prequalifications to Bid of Certain Contractors". Questionnaire and Contact information are provided on MoDOT's website. (if applicable – required on highway and bridge projects)

☐ 2. For submittal of paper bids, the complete set of bidding documents includes all information through the DBE forms (for DBE forms see #8). The Technical Specifications/Job Special Provisions are for the bidder's information only and is not to be returned with the bid.

☐ 3. If submitting the bid by mail, it is to be completed, executed, and submitted in a sealed envelope addressed to the City of **Odessa**. **Provide the vendor name, vendor address, vendor number, county, route and federal project number on the outside of the envelope.**.

☐ 4. Please read all items in the bidding document carefully. For paper bids, complete all items in ink or by typing in the information.

☐ 5. Sign this bidding document properly. If submitted in the name of a firm or corporation, the legal name of the firm or corporation should appear in the space designated, and be signed for by one or more persons legally qualified to execute papers in the name of said firm or corporation. Affix Corporate Seal if the Bidder is a Corporation.

☐ 6. For paper bids submit a bid bond executed by bidder and surety, or attach cashier's check to the bid bond form.

☐ 7. Submit the Bidder's List Quote Summary form with the bid.

☐ 8. Submit the DBE Submittal Forms within 3 business days of the Bid Opening. The DBE Identification Submittal Form (Page 2 of this document) must be submitted for each DBE to be utilized on the project. Any DBE's submitted as regular dealers/distributors must have an accompanying DBE Regular Dealer/Distributor Affirmation Form.

☐ 9. For paper bids, staple addenda to the bid in the appropriate part of the bid. The letter accompanying the addenda should be stapled to the inside of the back cover of the bid and returned. The bidder should retain a duplicate copy. (if applicable)

♦♦♦

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NOTICE TO CONTRACTORS

Sealed bids, addressed to the City of Odessa, 228 S. 2nd Street, Odessa Missouri 64076 for the proposed work will be received by the City of Odessa until 2:00 PM (prevailing local time) on December 18, 2025 at the office of the City of Odessa, 228 S. 2nd Street, Odessa Missouri 64076 and at that time will be publicly opened. Bids should be delivered to: the City of Odessa, 228 S. 2nd Street, Odessa Missouri 64076.

(1) PROPOSED WORK: The proposed work, hereinafter called the work, includes:

This project is located in Odessa, Missouri on 2nd Street from Main Street to Dryden Street. The project will consist of the installation of new concrete sidewalk, concrete curb and gutter, ADA compliant sidewalk ramps, street improvements, and electrical improvements along both east and west sides of 2nd Street.

(2) COMPLIANCE WITH CONTRACT PROVISIONS: The bidder, having examined and being familiar with the local conditions affecting the work, and with the contract, contract documents, including the current version of the Missouri Highways and Transportation Commission's "Missouri Standard Specifications for Highway Construction," and "Missouri Standard Plans for Highway Construction" (if applicable), their revisions, and the request for bid, including appendices, the special provisions and plans, hereby proposes to furnish all labor, materials, equipment, services, etc., required for the performance and completion of the work. All references are to the Missouri Standard Specifications for Highway Construction, as revised, unless otherwise noted.

Design Standards:
2011 AASHTO Roadside Design Guide, 4th Edition
Construction Specifications:
Missouri Standard Specifications for Highway Construction, 2025 Edition

The following documents are available on the Missouri Department of Transportation web page at www.modot.mo.gov under "Business with MoDOT" "Standards and Specifications". The effective version shall be determined by the letting date of the project.

General Provisions & Supplemental Specifications

Supplemental Revisions to Missouri Standard Plans
For Highway Construction, 2025 Edition

These supplemental bidding documents contain all current revisions to the bound printed versions and have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

Please note that within the above-listed documents, the term "Commission" shall be replaced with the term, "the City of Odessa", and the term "Engineer" is a reference to the Engineer of Record from OWN, Inc.

The contracting authority for this contract is the City of Odessa.

(3) PERIOD OF PERFORMANCE: If the bid is accepted, the bidder agrees that work shall be diligently prosecuted at such rate and in such manner as, in the judgment of the engineer, is necessary for the completion of the work within the time specified as follows in accordance with Sec 108:

Calendar Days: **120**
Completion Date: **December 31, 2026**

(4) LIQUIDATED DAMAGES: The bidder agrees that, should the bidder fail to complete the work in the time specified or such additional time as may be allowed by the engineer under the contract, the amount of liquidated damages to be recovered in accordance with Sec 108 shall be as follows:

Liquidated damages per day - $1,100

Schedule of Deductions for Each Day of Overrun in Contract Time, Original Contract Amount (or the Engineer's Estimate of the Total Construction Cost)		
From ($)	**To, and including ($)**	**Assessment, per Day ($)**
0	25,000	475
25,001	50,000	475
50,001	100,000	500
100,001	500,000	700
500,001	1,000,000	950
1,000,001	2,000,000	1,100
2,000,001	3,000,000	1,225
3,000,001	4,000,000	1,625
4,000,001	5,000,000	2,025
5,000,001	6,000,000	2,425
6,000,001	7,000,000	2,825
7,000,001	8,000,000	3,225
8,000,001	9,000,000	3,625
9,000,001	10,000,000	4,025
10,000,001	70,000,000	4,300

(5) **BID GUARANTY**: The bidder shall submit a Bid Guaranty meeting the requirements of Section 102 of the Missouri Standard Specifications for Highway Construction (if applicable). A sample project bid bond form is included in the bid book. The bidder shall mark the box below to identify the type of Bid Guaranty.

☐ Paper Bid Bond
☐ Cashier's Check

(6) **CERTIFICATIONS FOR FEDERAL JOBS**: By signing and submitting this bid, the bidder makes the certifications appearing in Sec. 102.18.1 (regarding affirmative action and equal opportunity), Sec. 102.18.2 (regarding disbarment, eligibility, indictments, convictions, or civil judgments), Sec. 102.18.3 (regarding anti-collusion), and Sec. 102.18.4 (regarding lobbying activities). Any necessary documentation is to accompany the bid submission, as required by these sections. As provided in Sec. 108.13, the contracting authority may terminate the contract for acts of misconduct, which includes but is not limited to fraud, dishonesty, and material misrepresentation or omission of fact within the bid submission.

(7) **ANTIDISCRIMINATION**: The Contracting Authority hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

(8) **FEDERAL AND STATE INSPECTION**: The Federal Government is participating in the cost of construction of this project. All applicable Federal laws, and the regulations made pursuant to such laws, shall be observed by the contractor, and the work will be subject to the inspection of the appropriate State or Federal Agency in the same manner as provided in Sec 105.10 of the Missouri Standard Specifications for Highway Construction with all revisions applicable to this bid and contract.

(9) **PREVAILING WAGE (FEDERAL AND STATE)**: This contract requires payment of the prevailing hourly rate of wages for each craft or type of work required to execute the contract as determined by the Missouri Department of Labor and Industrial Relations, and requires adherence to a schedule of minimum wages as determined by the United States Department of Labor. For work performed anywhere on this project, the contractor and the contractor's subcontractors shall pay the higher of these two applicable wage rates. The applicable state wage rates for this contract are detailed in "Annual Wage Order No. 32", that is attached to this bidding document. The applicable federal wage rates for this contract are the effective Davis-Bacon federal wage rates posted the tenth day before the bid opening date and are attached herein.

These supplemental bidding documents have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

(10) WORKER ELIGIBILITY REQUIREMENTS: Execution of the construction contract for this project is dependent upon the awarded bidder providing an Affidavit of Compliance AND E-Verify Memorandum-of-Understanding (MOU) between the bidder and Department of Homeland Security to the Contracting Authority as required by section 285.530 RSMo. The cover page and signature page of the E-Verify MOU and the Affidavit must be submitted prior to award of this contract.

A sample Affidavit of Compliance can be found at the Missouri Attorney General's website at the following link:

http://ago.mo.gov/forms/Affidavit_of_Compliance.pdf

All bidders must also be enrolled in the E-Verify Program, and include their MOU prior to contract execution. Bidders who are not enrolled will need to go to the following website link and select "Enroll in the Program" to get started. After completing the program, they will receive their E-Verify MOU with Department of Homeland Security. This document will need to be printed out and kept on file so that a copy can be attached to the Affidavit of Compliance.

http://www.dhs.gov/files/programs/gc_1185221678150.shtm

This requirement also applies to subcontractors and contract labor, but this contract only requires submittal of the verification documents for the prime contractor. It is the prime contractor's responsibility to verify the worker eligibility of their subcontractors in order to protect their own company from liability as required by section 285.530 RSMo.

(11) OSHA TEN HOUR TRAINING REQUIREMENTS: Missouri Law, 292.675 RSMO, requires any awarded contractor and its subcontractor(s) to provide a ten-hour Occupational Safety and Health Administration (OSHA) Construction Safety Program (or a similar program approved by the Missouri Department of Labor and Industrial Relations as a qualified substitute) for their on-site employees (laborers, workmen, drivers, equipment operators, and craftsmen) who have not previously completed such a program and are directly engaged in actual construction of the improvement (or working at a nearby or adjacent facility used for construction of the improvement). The awarded contractor and its subcontractor(s) shall require all such employees to complete this ten-hour program, pursuant to 292.675 RSMO, unless they hold documentation on their prior completion of said program. Penalties, for Non-Compliance include contractor forfeiture to the Contracting Authority in the amount of $2,500, plus $100 per contractor and subcontractor employee for each calendar day such employee is employed beyond the elapsed time period for required program completion under 292.675 RSMO.

(12) BUY AMERICA REQUIREMENTS: Construction contracts shall assure compliance with Section 165 of the Surface Transportation Assistance Act of 1982, Section 337 of the Surface Transportation and Uniform Relocation Assistance Act of 1987, 23 CFR 635.410, and the Bipartisan Infrastructure Law (2021) Build America, Buy America Act Publication L. No. 117-58 regarding Buy America provisions on the procurement of foreign products and materials. On all contracts involving Federal-aid, all products of iron, steel, or a coating of steel which are incorporated into the work must have been manufactured in the United States. Construction materials consisting primarily of non-ferrous metals, plastic and polymer-based products, glass, lumber, or drywall also require Buy America certification. Cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives are excluded from this requirement. In addition, manufactured products are currently exempted under the 1983 waiver from FHWA. The Contracting Authority may allow minimal amounts of these materials from foreign sources, provided the cost does not exceed 0.1 percent of the contract sum or $2,500, whichever is greater. The Contractor certifies that these materials are of domestic origin. Additional information regarding the "Buy America" requirements can be found at:

https://www.fhwa.dot.gov/construction/cqit/buyam.cfm

(13) ADDENDUM ACKNOWLEDGEMENT: The undersigned states that the all addenda (if applicable) have been received, acknowledged and incorporated into their bid, prior to submittal. For paper bids, staple addenda to the bid in the appropriate part of the bid.

(14) **SIGNATURE AND IDENTITY OF BIDDER**: The undersigned states that the following provided information is correct and that (if not signing with the intention to bind themselves to become the responsible and sole bidder) they are the agent of, and they are signing and executing this, as the bid of

_____, which is the correct LEGAL NAME as stated on the contractor questionnaire.

a) The organization submitting this bid is a(n) (1) individual bidder, (2) partnership, (3) joint venturer (whether individuals or corporations, and whether doing business under a fictitious name), or (4) corporation. Indicate by marking the appropriate box below.

☐ sole individual ☐ partnership ☐ joint venture

☐ corporation, incorporated under laws of state of _____.

b) If the bidder is doing business under a fictitious name, indicate below by filling in the fictitious name

_____

Executed by bidder this _____ day of _____ 20___.

THE BIDDER CERTIFIES THAT THE BIDDER AND ITS OFFICIALS, AGENTS, AND EMPLOYEES HAVE NEITHER DIRECTLY NOR INDIRECTLY ENTERED INTO ANY AGREEMENT, PARTICIPATED IN ANY COLLUSION, OR OTHERWISE TAKEN ANY ACTION IN RESTRAINT OF FREE COMPETITIVE BIDDING IN CONNECTION WITH THIS BID, AND THAT THE BIDDER INTENDS TO PERFORM THE WORK WITH ITS OWN BONAFIDE EMPLOYEES AND SUBCONTRACTORS, AND DID NOT BID FOR THE BENEFIT OF ANOTHER CONTRACTOR.

THE BIDDER ACKNOWLEDGES THAT THIS IS AN UNSWORN DECLARATION, EXECUTED UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES AND/OR FALSE DECLARATION UNDER THE LAWS OF MISSOURI, AND ANY OTHER APPLICABLE STATE OR FEDERAL LAWS. THE FAILURE TO PROVIDE THIS CERTIFICATION IN THIS BID MAY MAKE THIS BID NON-RESPONSIVE, AND CAUSE IT TO BE REJECTED.

THE BIDDER CERTIFIES THAT THE BIDDER'S COMPANY KNOWINGLY EMPLOYS ONLY INDIVIDUALS WHO ARE AUTHORIZED TO WORK IN THE UNITED STATES IN ACCORDANCE WITH APPLICABLE FEDERAL AND STATE LAWS AND ALL PROVISIONS OF MISSOURI EXECUTIVE ORDER NO. 07-13 FOR CONTRACTS WITH THE CONTRACTING AUTHORITY.

☐ Check this box ONLY if the bidder REFUSES to make any or all of these certifications. The bidder may provide an explanation for the refusal(s) with this submittal.

_____
Signature of Bidder's Owner, Officer, Partner or Authorized Agent

_____
Please print or type name and title of person signing here

Attest:

_____
Secretary of Corporation if Bidder is a Corporation

Affix Corporate Seal (If Bidder is a Corporation)

NOTE: If bidder is doing business under a fictitious name, the bid shall be executed in the legal name of the individual, partners, joint ventures, or corporation, and registration of fictitious name filed with the secretary of state, as required by sections 417.200 to 417.230 RSMo. If the bidder is a corporation not organized under the laws of Missouri, it shall procure a certificate of authority to do business in Missouri, as required by section 351.572 et seq RSMo. A certified copy of such registration of fictitious name or certificate of authority to do business in Missouri shall be filed with the Missouri Highways and Transportation Commission, as required by the standard specifications.

(15) **TRAINEES**: By submitting this bid, the bidder certifies that the bidder is familiar with the Training Provision in the Missouri Highways and Transportation Commission's "General Provisions and Supplement Specifications" which are available on the Missouri Department of Transportation web page at www.modot.mo.gov under "Business with MoDOT" "Standards and Specifications". The number of trainee hours provided under this contract will be **0 slots** at 1000 hours per slot or **0 hours**.

(16) **SUBCONTRACTOR DISCLOSURE:** Requirements contained within Sec 102.7.8 of the Missouri Standard Specification for Highway Construction shall be waived for this contract.

(17) **PROJECT AWARD:** This project will be awarded to the lowest, responsive, responsible bidder.

(18) **MATERIALS INSPECTIONS**: All technicians who perform, or are required by the FHWA to witness, such sampling and testing shall be deemed as qualified by virtue of successfully completing the requirements of EPG 106.18 Technician Certification Program, for that specific technical area.

(19) **SALES AND USE TAX EXEMPTION:** **City of Odessa,** a tax exempt entity, will furnish a Missouri Project Exemption Certificate as described in Section 144.062 RSMo to the awarded contractor who in turn may use the certificate to purchase materials for a specific project performed for the tax exempt entity. Only the materials and supplies incorporated or consumed during the construction of the project are exempt. The certificate will be issued to the contractor for a specific project for a defined period of time.

FORM FOR ENTERING A BID ON PROJECT

TAP-9901(443)

MASON STREET ODESSA, MO

ONLY

TAP-9901(443) MASON STREET HISTORIC DOWNTOWN DISTRICT

ITEMIZED PROPSAL

	ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
	ROADWAY					
	202-20.10	REMOVAL OF IMPROVEMENTS	LS	1	$	$
	207-20.00	LINEAR GRADING CLASS 2	STA	8.7	$	$
2	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	3,485.2	$	$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9	$	$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9	$	$
	401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.)	TONS	751.6	$	$
	502-11.08	CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS)	SY	331.8	$	$
	609-10.51	CURB & GUTTER TYPE A	LF	221	$	$
	609-10.52	CURB & GUTTER TYPE B	LF	578	$	$
	609-99.03	CURB & GUTTER TYPE C	LF	115	$	$
	609-99.03	CURB RAMP CURB & GUTTER	LF	65	$	$
	609-99.03	DRIVEWAY CURB & GUTTER	LF	324	$	$
	618-10.00	MOBILIZATION	LS	1	$	$
	627-40.00	CONTRACTOR SURVEYING & STAKING	LS	1	$	$
					TOTAL ROADWAY	$
	SIGNING, STRIPING, SIGNAL, LIGHTING					
	620-60.00D	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1536	$	$
	620-60.01D	4 IN. YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1570	$	$
	620-61.24B	24 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	24	$	$
	620-99.02	INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)	EA	7	$	$
	620-99.03	6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	120	$	$
	620-99.03	4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	581	$	$
	622-10.03	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (GREATER THAN 3 IN. THICK)	SY	2306	$	$
	903-50.04A	SH-FLAT SHEET	SF	46	$	$
	903-99.02	SIGN POSTS	EA	4	$	$
					TOTAL SIGNING, STRIPING, SIGNAL, LIGHTING	$
	BIKE/PED FACITILITES					
2	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	1497.8	$	$
	502-99.07	INTEGRAL RETAINING WALL W/ REINFORCING	CY	15	$	$
	608-10.10	CONCRETE CURB RAMP	SY	104.1	$	$
	608-10.12	TRUNCATED DOMES	SF	150	$	$
2	608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)	LF	9	$	$
2	608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF	329	$	$
	608-99.05	CONCRETE SIDEWALK, 6 IN.	SY	1497.8	$	$
					TOTAL BIKE/PED FACITILITES	$
	LANDSCAPING/STREETSCAPING					
	604-20.10	ADJUST MANHOLE HEIGHT	EA	2	$	$
	604-99.02	ADJUST HEIGHT OF FIRE HYDRANT	EA	1	$	$
					TOTAL LANDSCAPING/STREETSCAPING	$
	TRAFFIC CONTROL					
	616-10.22	*CHANNELIZER (CONE)*	*EA*	*16*	$	$
	616-10.30	*TYPE 3 MOVEABLE BARRICADE*	*EA*	*4*	$	$
	903-50.04A	*SH-FLAT SHEET*	*SF*	*90*	$	$
					TOTAL TRAFFIC CONTROL	$
	OTHER (INFRASTRUCTURE FOR ELECTRICAL ITEMS)					
	901-99.02	UTILITY METER	EA	4	$	$
	901-99.02	UTILITY METER ENCLOSURE	EA	4	$	$
	901-99.02	PANELBOARD "STP-01W"	EA	1	$	$
	901-99.02	PANELBOARD "STP-02W"	EA	1	$	$
	901-99.02	PANELBOARD "STP-03E"	EA	1	$	$
	901-99.02	PANELBOARD "STP-04E"	EA	1	$	$
	901-99.03	ELECTRICAL EQUIPMENT RACK (STRUT, POST, CONCRETE, FITTINGS, ETC.)	LS	1	$	$
	901-99.03	GROUNDING SYSTEMS(RODS, CLAMPS, CONDUCTORS)	LS	1	$	$
	901-99.03	DISTRIBUTION EQUIPMENT CONDUIT/ CONDUCTORS	LS	1	$	$
	901-99.02	LIGHTING CONTROL PANEL "LCP-01W"	EA	1	$	$
	901-99.02	LIGHTING CONTROL PANEL "LCP-02W"	EA	1	$	$
	901-99.02	LIGHTING CONTROL PANEL "LCP-03E"	EA	1	$	$
	901-99.02	LIGHTING CONTROL PANEL "LCP-04E"	EA	1	$	$
	901-99.03	CONDUIT BODIES AND FITTINGS FOR ELECTRICAL EQUIPMENT	LS	1	$	$
	901-99.03	ABOVE-GRADE ELECTRICAL JUNCTION BOXES AND ENCLOSURES	LS	1	$	$
	901-99.03	LIGHTING CONDUITS	LS	1	$	$
	901-99.03	POWER CONDUITS	LS	1	$	$
	901-99.03	IN-GRADE JUNCTION BOXES	LS	1	$	$
	901-99.03	POLE LIGHT CONCRETE BASES	LS	1	$	$
	901-99.03	BOLLARD CONCRETE BASES	LS	1	$	$
					TOTAL OTHER (INFRASTRUCTURE FOR ELECTRICAL ITEMS)	$

TOTAL CONTRACTOR **$** _____

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
ROADWAY BID ALTERNATE					
502-11.07	CONCRETE PAVEMENT (7 IN. NON-REINFORCED)	SY	2705.1	$	$
ROADWAY ADD ALTERNATE					
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	*TONS*	*256.3*	$	$
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	*TONS*	*256.3*	$	$
622-10.03	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (GREATER THAN 3 IN. THICK)	*SY*	*2306*	$	$
				TOTAL ROADWAY ADD ALTERNATE	$

Acknowledgement: Each bidder shall acknowledge receipt of addenda by their signature affixed hereto and addendum noted.

Addendum No.(s) _____

Contractor: _____ Phone: _____

Signature: _____ Date: _____

Name: _____ (please print)

FORM FOR ENTERING A BID ON BOTH PROJECT

TAP-9901(443)

MASON STREET ODESSA, MO

&

TAP-9901(440)

2ND STREET ODESSA, MO

THE CONTRACTOR MUST FILL OUT THE MATCHING BID FORM IN THE PROJECT MANUAL FOR TAP-9901(443)

TAP-9901(443) MASON STREET & TAP-9901(440) 2ND STREET HISTORIC DOWNTOWN DISTRICT

ITEMIZED PROPSAL

	ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
	ROADWAY					
	202-20.10	REMOVAL OF IMPROVEMENTS	LS	1	$	$
	207-20.00	LINEAR GRADING CLASS 2	STA	8.7	$	$
2	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	3,485.2	$	$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9	$	$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	300.9	$	$
	401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.)	TONS	751.6	$	$
	502-11.08	CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS)	SY	331.8	$	$
	609-10.51	CURB & GUTTER TYPE A	LF	221	$	$
	609-10.52	CURB & GUTTER TYPE B	LF	578	$	$
	609-99.03	CURB & GUTTER TYPE C	LF	115	$	$
	609-99.03	CURB RAMP CURB & GUTTER	LF	65	$	$
	609-99.03	DRIVEWAY CURB & GUTTER	LF	324	$	$
	618-10.00	MOBILIZATION	LS	1	$	$
	627-40.00	CONTRACTOR SURVEYING & STAKING	LS	1	$	$
					TOTAL ROADWAY	$
	SIGNING, STRIPING, SIGNAL, LIGHTING					
	620-60.00D	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1536	$	$
	620-60.01D	4 IN. YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1570	$	$
	620-61.24B	24 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	24	$	$
	620-99.02	INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)	EA	7	$	$
	620-99.03	6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	120	$	$
	620-99.03	4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	581	$	$
	622-10.03	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (GREATER THAN 3 IN. THICK)	SY	2306	$	$
	903-50.04A	SH-FLAT SHEET	SF	46	$	$
	903-99.02	SIGN POSTS	EA	4	$	$
					TOTAL SIGNING, STRIPING, SIGNAL, LIGHTING	$
	BIKE/PED FACITILITES					
2	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	1497.8	$	$
	502-99.07	INTEGRAL RETAINING WALL W/ REINFORCING	CY	15	$	$
	608-10.10	CONCRETE CURB RAMP	SY	104.1	$	$
	608-10.12	TRUNCATED DOMES	SF	150	$	$
2	608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)	LF	9	$	$
2	608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF	329	$	$
	608-99.05	CONCRETE SIDEWALK, 6 IN.	SY	1497.8	$	$
					TOTAL BIKE/PED FACITILITES	$
	LANDSCAPING/STREETSCAPING					
	604-20.10	ADJUST MANHOLE HEIGHT	EA	2	$	$
	604-99.02	ADJUST HEIGHT OF FIRE HYDRANT	EA	1	$	$
					TOTAL LANDSCAPING/STREETSCAPING	$
	TRAFFIC CONTROL					
	616-10.22	*CHANNELIZER (CONE)*	*EA*	*16*	$	$
	616-10.30	*TYPE 3 MOVEABLE BARRICADE*	*EA*	*4*	$	$
	903-50.04A	*SH-FLAT SHEET*	*SF*	*90*	$	$
					TOTAL TRAFFIC CONTROL	$
	OTHER (INFRASTRUCTURE FOR ELECTRICAL ITEMS)					
	901-99.02	UTILITY METER	EA	4	$	$
	901-99.02	UTILITY METER ENCLOSURE	EA	4	$	$
	901-99.02	PANELBOARD "STP-01W"	EA	1	$	$
	901-99.02	PANELBOARD "STP-02W"	EA	1	$	$
	901-99.02	PANELBOARD "STP-03E"	EA	1	$	$
	901-99.02	PANELBOARD "STP-04E"	EA	1	$	$
	901-99.03	ELECTRICAL EQUIPMENT RACK (STRUT, POST, CONCRETE, FITTINGS, ETC.)	LS	1	$	$
	901-99.03	GROUNDING SYSTEMS(RODS, CLAMPS, CONDUCTORS)	LS	1	$	$
	901-99.03	DISTRIBUTION EQUIPMENT CONDUIT/ CONDUCTORS	LS	1	$	$
	901-99.02	LIGHTING CONTROL PANEL "LCP-01W"	EA	1	$	$
	901-99.02	LIGHTING CONTROL PANEL "LCP-02W"	EA	1	$	$
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	901-99.03	CONDUIT BODIES AND FITTINGS FOR ELECTRICAL EQUIPMENT	LS	1	$	$
	901-99.03	ABOVE-GRADE ELECTRICAL JUNCTION BOXES AND ENCLOSURES	LS	1	$	$
	901-99.03	LIGHTING CONDUITS	LS	1	$	$
	901-99.03	POWER CONDUITS	LS	1	$	$
	901-99.03	IN-GRADE JUNCTION BOXES	LS	1	$	$
	901-99.03	POLE LIGHT CONCRETE BASES	LS	1	$	$
	901-99.03	BOLLARD CONCRETE BASES	LS	1	$	$
					TOTAL OTHER (INFRASTRUCTURE FOR ELECTRICAL ITEMS)	$

TOTAL CONTRACTOR **$** _____

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
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622-10.03	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (GREATER THAN 3 IN. THICK)	*SY*	*2306*	$	$
				TOTAL ROADWAY ADD ALTERNATE	$

Acknowledgement: Each bidder shall acknowledge receipt of addenda by their signature affixed hereto and addendum noted.

Addendum No.(s) _____

Contractor: _____ Phone: _____

Signature: _____ Date: _____

Name: _____ (please print)

BID BOND

KNOW ALL PERSONS BY THESE PRESENTS, that we _____
_____
as principal and _____
as surety, are held and firmly bound unto the City of Odessa
in the penal sum of_____
_____ Dollars ($) to be paid to the commission to be credited to the state road fund, the principal and surety binding themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this _____

THE CONDITION OF THIS OBLIGATION is such that

WHEREAS the principal is submitting herewith a bid to the commission on route(s) _____
Mason Street
in Lafayette County(ies),
project (s) Mason Street Historic Downtown District Improvements
_____
for construction or improvement of state highway as set out in said bid;

NOW THEREFORE, if the commission shall accept the bid of the principal and if the principal shall properly execute and deliver to the commission the contract, contract bond, and evidence of insurance coverage in compliance with the requirements of the bid, the specifications, and the provisions of section 227.100 RSMo, to the satisfaction of the commission, then this obligation shall be void and of no effect, otherwise to remain in full force and effect.

In the event the said principal shall, in the judgment of the commission, fail to comply with any requirement as set forth in the preceding paragraph, then the state of Missouri, acting by and through the commission, shall immediately and forthwith be entitled to recover the full penal sum above set out, together with court costs, attorney's fees, and any other expense of recovery.

The principal and surety hereby certify that the document is the original or a verbatim copy of the bid bond form furnished by the Commission, in accordance with Sec 102.9 of the Missouri Standard Specifications for Highway Construction.

_____
Principal

SEAL By_____
Signature

_____
Surety

SEAL By_____
Signature of Attorney in Fact

NOTE: This bond must be executed by the principal, and by a corporate surety authorized to conduct surety business in the state of Missouri.

DBE Submittal Forms - LPA

(6) **DBE Submittal Forms**: This form must be submitted by 4 p.m. three (3) business days after bid opening. You may also use the Excel version located at:
https://epg.modot.org/forms/CM/DBE_Identification_Submittal_Form_LPA_Excel.xlsm

(A) DBE Contract Goal: By submitting this bid, the bidder certifies that the bidder is familiar with the DBE Program Requirements in this contract. The contract DBE goal for the amount of work to be awarded is **0**% of the total federal project price. The bidder shall also complete the DBE Submittal Form in accordance with the program requirements.

(B) DBE Participation: The bidder certifies that it will utilize DBE's as follows:

___0___% OF TOTAL FEDERAL CONTRACT

NOTE: Bidder must fill in the above blank. If no percentage is specified, the bidder certifies that it agrees to, and will comply with the contract goal. If a percentage below the contract goal is specified, then the bidder must submit complete documentation of good faith efforts to meet the DBE contract goal, immediately below.

(C) Certification of Good Faith Efforts to Obtain DBE Participation: By submitting its signed bid, the bidder certifies under penalty of perjury and other provisions of law, that the bidder took each of the following steps to try to obtain sufficient DBE participation to achieve the Commission's proposed DBE Contract Goal: (Attach additional sheets if necessary).

DBE Identification Submittal Form

(For Local Program Agency (LPA) Projects)

Job Number: 9901(443)

Route:

County: Lafayette

Prime Contractor: _____ Contract Amount: _____

Identification of Participating DBE's: Provide the requested information below for each DBE participating on the project. Submit this information with your bid or no later than 4:00 p.m. on the 3rd business day after the bid opening. Contact MoDOT's Business Development and Compliance (BDC) Division at (573) 526-2978 for questions and assistance on completion. **This page of this document must be received for each DBE utilized on the project. A DBE Regular Dealer/Distributor Affirmation Form is required for each DBE firm submitted as a regular dealer or distributor.**

All information must be provided.

If awarded the contract for this project, the undersigned will use the following DBE to perform or furnish the work, supplies, and/or services as shown below:

DBE Name: _____ Address: _____

(A) Line No.	(B) Dollar Value of DBE Work** (Unit Price x Quantity of the Item in (A), or Lump Sum)	(C) Dollar value applicable to DBE Goal** (40%, 60%, 100%)	(D) Dollar amount applicable to DBE Goal (B x C)	(E) Percent of total contract amount for line item (D / total contract amount)
		DBE Total:		**Total %**

**Cannot exceed contract amount for given item of work
Trucking services credited at 100% if the DBE owns the trucks or is leasing from a DBE firm
Allowed amount of participation will be in accordance with 49 CFR Part 26.
Supplier Affirmation Form required for all DBE firms submitted as suppliers.
Brokered services will only receive credit for fees.

Respectfully submitted:

_____ _____

Company Name (Prime Contractor) Name / Title

_____

Signed (Prime Contractor)

Instructions for Completing the
DBE Identification Submittal Form
(For Local Program Agency (LPA) Projects)
(BDC-101)

Submit this form with your bid or as outlined on front of page no later than 4:00 p.m. on the 3rd working day after the bid opening. Only DBE's listed in MoDOT's Missouri Regional Certification Committee (**MRCC**) directory may be used towards obtaining the DBE goal on the project. DBE firm must be certified with the appropriate North American Industrial Classification System (**NAICS**) code for the type of work being utilized to perform. The MRCC directory is available at the following link under the MRCC Directory tab: https://www.modot.org/welcome-business-development-and-compliance.

(A) Insert Bid Line Item in the same order as it appears in the bid document.

(B) Insert the result from multiplying the unit price for the bid line item by the quantities listed in column (A); a lump sum, if applicable, may also be inserted.

(C) Insert the percentage of column (B) that the DBE will perform. If the DBE is a distributor as that term is defined in 49 CFR Part 26.55, then only 40% of the value in column (B) can be applied towards the contract specific goal. If the DBE is a supplier as that term is defined in 49 CFR Part 26.55, then only 60% of the value in column (B) can be applied towards the contract specific goal. **A Supplier Affirmation Form is required for each DBE firm submitted as a supplier. A copy of this form is provided on the next page.** If the DBE is furnishing and installing the line item, then 100% of the value can be applied.

(D) Insert the result from dividing columns (B) and (C).

(E) Insert the result from dividing column (D) from the total bid line item amount.

U.S. Department of Transportation

DBE Regular Dealer/Distributor Affirmation Form

Bidder Name:

Contract Name/Number:

Sections 26.53(c)(1) of Title 49 Code of Federal Regulations requires recipients to make a preliminary counting determination for each DBE listed as a regular dealer or distributor to assess its eligibility for 60 or 40 percent credit, respectively, of the cost of materials and supplies based on its demonstrated capacity and intent to perform as a regular dealer or distributor, as defined in section 26.55(e)(2)(iv)(A),(B),(C), and (3) under the contract at issue. The regulation requires the recipient's preliminary determination to be made based on the DBE's written responses to relevant questions and its affirmation that its subsequent performance of a commercially useful function will be consistent with the preliminary counting of such participation. The U.S. Department of Transportation is providing this form as a tool for recipients, prime contractors, regular dealers, and distributors to use to carry out their respective responsibilities under this regulation. The form may be used by each DBE supplier whose participation is submitted by a bidder for regular dealer or distributor credit on a federally-assisted contract with a DBE participation goal. The form may also be used by prime contractors in connection with DBE regular dealer or distributor participation submitted after a contract has been awarded provided such participation is subject to the recipient's prior evaluation and approval. If this form is used, it should be accompanied by the bidder's commitment, contract, or purchase order showing the materials the DBE regular dealer or distributor is supplying. Use of this tool is not mandatory. If a recipient chooses a different method for complying with Section 26.53(c)(1), it must include that method in its DBE Program Plan.

DBE Name:	Total Subcontract/Purchase Order Amount:
Authorized DBE Representative (Name and Title):	NAICS Code(s) Related to the Items to be Sold/Leased:

1. Will all items sold or leased be provided from the on-hand inventory at your establishment? ☐ **YES** ☐ **NO**
   (If "YES," you have indicated that your performance will satisfy the regular dealer requirements and may be counted at 60%. STOP here. Read and sign the affirmation below. If "NO" Continue.)

   a) Are you selling bulk items (e.g., petroleum products, steel, concrete, concrete products, sand, gravel, asphalt, etc.) or items not typically stocked due to their unique characteristics (aka specialty items)?
   ☐ **YES** ☐ **NO** **(If "YES," Go to Question 2. If "NO" Continue.)**

   b) Will at least 51% of the items you are selling be provided from the inventory maintained at your establishment, and will the minor quantities of items delivered from and by other sources be of the general character as those provided from your inventory?

   ☐ **YES** ☐ **NO*** **(If "YES," you have indicated that your performance will satisfy the regular dealer requirements and may be counted at 60%. STOP here. Read and sign the affirmation below.**

   ***If 1.,1.a), and 1. b) above are "NO," your performance on the whole will not satisfy the regular dealer requirements; therefore, only the value of items to be sold or leased from inventory can be counted at 60%. (Go to Question 3. to determine if the items delivered from and by other sources are eligible for Distributor credit.)**

2. Will you deliver all bulk or specialty items using distribution equipment you own (or under a long-term lease) and operate?
   ☐ **YES** ☐ **NO[1]**

   (If "YES," you have indicated that your performance will satisfy the requirements for a regular dealer of bulk items and may be counted at 60%. STOP here. Read and sign the affirmation below.)

   [1] If "NO," your performance will not satisfy the requirements for a regular dealer of bulk items; the value of items to be sold or leased cannot be counted at 60%. (Go to Question 3.)

3. Will the written terms of your purchase order or bill of lading from a third party transfer responsibility, including risk for loss or damage, to your company at the point of origin (e.g. a manufacture's facility) ? ☐ **YES[2]** ☐ **NO[3]**

   a) Will you be using sources **other than** the manufacturer (or other seller) to deliver or arrange delivery of the items sold or leased? ☐ **YES[2]** ☐ **NO[3]**

[2] If your responses to 3 and 3.a) are "YES," you have indicated that your performance will satisfy the requirements of a distributor; therefore, the value of items sold or leased may be counted at 40%.

[3] If you responded "NO" to either 3 or 3.a), counting of your participation is limited to the reasonable cost of fees or commissions charged, including transportation charges for the delivery of materials or supplies; the cost of materials or supplies may not be counted.

I affirm that the information that I provided above is true and correct and that my company's subsequent performance of a commercially useful function will be consistent with the above responses. I further affirm that my company will independently negotiate price, order specified quantities, and pay for the items listed in the bidder's commitment. This includes my company's responsibility for the quality of such items in terms of necessary repairs, exchanges, or processing of any warranty claims for damaged or defective materials.

Printed Name and Signature of DBE Owner/Authorized Representative:

The bidder acknowledges its responsibility for verifying the information provided by the DBE named above and ensuring that the counting of the DBE's participation is accurate. Any shortfall caused by errors in counting are the responsibility of the bidder.

Printed Name and Signature of Bidder's Authorized Representative:

DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM REQUIREMENTS FOR LOCAL PROGRAMS

1.0 Program Applicability. The subsequent sections will apply only to contracts involving U.S. Department of Transportation (USDOT) federal-aid or federal funded participation. Federal-aid or federal funded participation includes, but is not limited to, any funds directly or indirectly received by MoDOT, or authorized for distribution to or through MoDOT, by the USDOT or any operating administration within the USDOT. These provisions will not apply to contracts funded exclusively with state funds, or state and local funds. Any contractor, subcontractor, supplier, DBE firm, and contract surety involved in the performance of a federal-aid contract shall be aware of and fully understand the terms and conditions of the USDOT DBE Program, as the terms appear in Title 49 CFR Part 26 (as amended), the USDOT DBE Program regulations; Title 7 CSR Division 10, Chapter 8 (as amended), and the Commission's DBE Program rules.

2.0 DBE Program Distinguished From Other Affirmative Action Programs. The USDOT DBE Program established by the U.S. Congress is not the same as, and does not involve or utilize, any of the elements or authority of other state or local affirmative action programs, nor does the program rely upon state legislation or gubernatorial executive orders for implementation or authorization, other than the general authority given the Commission in Section 226.150, RSMo. The USDOT DBE Program is implemented by the Commission and MoDOT, through and in conjunction with the FHWA, FTA and FAA, as a "recipient" defined in Title 49 CFR 26.5.

3.0 Policy Regarding DBE Firms. It is the policy of the U. S. Department of Transportation and MoDOT that businesses owned by socially and economically disadvantaged individuals have an opportunity to participate in the performance of contracts funded in whole or in part with federal funds. Consequently, the requirements of 49 CFR Part 26 (as amended) and the Commission's implementing state regulations in Title 7 CSR Division 10, Chapter 8, "Disadvantaged Business Enterprise Program", will apply to any contract funded in whole or part with federal funds.

4.0 Opportunity for DBEs to Participate. Each contractor, subcontractor and supplier working on a contract funded in whole or in part with federal funds shall take all necessary and reasonable steps to ensure that DBEs have an opportunity to compete for and participate in performance on project contracts and subcontracts in which a DBE goal is established.

5.0 Required Contract Provision. The federal-aid contract will include the following provision, as mandated by USDOT at Title 49 CFR 26.13(b):

(a) The contractor, subrecipient or subcontractor shall not discriminate based on race, color, religion, national origin, or sex in the performance of the contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of the contract, which may result in the termination of the contract or such other remedy, as the recipient deems appropriate.

In this provision, "contractor" will be defined as the contractor on the contract; sub-contractor, or material supplier performing the work on or for the project. For the purposes of any federal-aid contract awarded by the Local Public Agency (LPA), they will be designated as "the recipient". The contractor shall include this same contract provision in every supply contract or subcontract the contractor makes or executes.

6.0 DBE Program Information. DBE Program information may be obtained from the MoDOT Business Development & Compliance Division, 105 W. Capitol Avenue, P.O. Box 270, Jefferson City, Missouri 65102-0270. Phone (573) 751-7801, Fax (573) 526-0558, E-Mail: **dbe@modot.mo.gov.** It will be the duty of each contractor, and for the contractor's subcontractors to take the steps necessary to determine the legal obligations and limitations under the DBE Program, as an element of responsibility. It will be the duty of each certified DBE firm to know, understand and comply with the DBE firm's legal obligations and limitations under the DBE Program, as a requirement of program participation.

7.0 DBE Certification, and the Missouri Unified Certification Program. MoDOT and other certifying agencies within Missouri have partnered to form the Missouri Regional Certification Committee (MRCC) and developed a Unified Certification Program (UCP) pursuant to 49 CFR 26.81 and 7 CSR 10-8.061. Only DBE firms certified by the MRCC are eligible to perform work on a federal-aid contract for DBE contract goal credit. It is the contractor's responsibility to ensure firms identified for participation are approved certified DBE firms.

The MRCC DBE Directory can be found at the following link: https://www.modot.org/welcome-business-development-and-compliance

8.0 DBE Program-Related Certifications Made By Bidders and Contractors. If the bidder makes a written, express disclaimer of one or more certifications or assurances in the bid, the bid will be considered non-responsive. By submitting a bid on any project involving USDOT federal financial participation, and by entering into any contract on the basis of that bid, the contractor makes each of the following DBE Program-related certifications and assurances to USDOT, to the Commission, to MoDOT, and to the LPA:

(a) The bidder certifies that management and bidding officers have reviewed and understand the bidding and project construction and administration obligations of the USDOT DBE Program regulations at Title 49 CFR Part 26 (as amended), and the Commission's DBE Program rules at Title 7 CSR Division 10, Chapter 8 (as amended).

(b) The bidder agrees to ensure that certified DBE firms have a full and fair opportunity to participate in the performance of the contract financed in whole or in part with federal funds. The bidder certifies that all necessary and reasonable steps were taken to ensure that DBE firms have an opportunity to compete for, and perform work on the contract. The bidder further certifies that the bidder not discriminate on the basis of race,

color, age, national origin or gender in the performance of the contract, or in the award of any subcontract.

(c) The bidder certifies that if awarded the federal-aid contract, the contractor will make a good faith effort to utilize certified DBE firms committed to with the awarded contract.

(d) The bidder certifies, that if awarded the federal-aid contract with an approved DBE Good Faith Effort, the bidder will at a minimum achieve any DBE participation committed at time of bid as well as make good faith efforts to obtain additional DBE participation throughout the life of the project. Any liquidated damages at the completion of the project will be assessed contingent on the awarded bidders efforts in obtaining DBE participation.

(e) The bidder understands and agrees that if awarded the contract the contractor is legally responsible to ensure that the contractor and each DBE, comply fully with all regulatory and contractual requirements of the USDOT DBE Program, and that each DBE firm participating in the contract fully perform the designated tasks, with the DBE's own forces and equipment, under the DBE's own direct supervision and management. The bidder certifies, that if awarded the contract and if MoDOT or the Commission determine that the contractor, a DBE or any other firm retained by the contractor has failed to comply with the DBE Program requirements or federal or state DBE Program regulations, the Commission, through MoDOT, shall have the sole authority and discretion to determine the extent of the monetary value to which the DBE contract goals have not been met at the project completion, and to assess against and withhold monetary damages from the contractor up to the full amount of that breach. The bidder further understands and agrees that this clause authorizes the Commission, through MoDOT, to determine and fix the extent of the damages caused by a breach of any contractual or regulatory DBE Program requirement and that the damage assessment will be enforced in addition to, and not in lieu of, any other general liquidated damages clause in the contract. By submitting a bid for a federal-aid contract, the bidder irrevocably agrees to such an assessment of liquidated damages for DBE Program purposes, and authorizes the Commission and MoDOT to make such an assessment of liquidated damages against the contractor, and to collect that assessment from any sums due the contractor under the contract, or any other contract, or by other legal process. The bidder makes this certification, agreement and authorization on behalf of itself, for each federal-aid contract.

9.0 Designation of DBE firms to perform on contract. The bidder states and certifies that the DBE participation information submitted in the bid or within the contract designated time is true, correct and complete and that the information provided includes the names of all DBE firms that will participate in the contract, the specific line item (s) that each DBE firm will perform or partially perform, and the creditable dollar amounts of the participation of each DBE. The specific line item must reference the bid line number and item number contained in the proposal. The bidder further states and certifies that the bidder has committed to use each DBE firm listed for the work shown to meet the DBE

contract goal and that each DBE firm listed has clearly confirmed to the bidder that the DBE firm will participate in and perform the work, with the DBE's own forces.

(a) The bidder certifies the bidder's understanding that as the contractor on a contract funded in whole or in part by USDOT federal funds, the bidder may not unilaterally terminate, substitute for, or replace any DBE firm that was designated in the executed contract, in whole or in any part, with another DBE, any non-DBE firm or with the contractor's own forces or those of an affiliate, without the prior written consent of MoDOT. The bidder understands it must receive approval in writing from MoDOT for the termination of a DBE firm, or the substitution or replacement of a DBE before any substitute or replacement firm may begin work on the project in lieu of the DBE firm participation information listed in the executed contract. Unless MoDOT's written consent is provided as outlined above, the bidder shall not be entitled to any payment of work or material unless it is performed or supplied by the listed DBE.

(1) The bidder further certifies understanding, that if a DBE firm listed in the bid or approved in the executed contract documents ceases to be a certified DBE firm, at any time during the performance of the contract work, and a contract or subcontract with that firm has not yet been executed by the prime and subcontractor, the contractor can not count any work performed by that firm after the date of the firm's loss of eligibility toward meeting the DBE contract goal. The contractor can pursue efforts to replace the work planned with the decertified firm, with other certified DBEs, in coordination with MoDOT's Business Development & Compliance Division. If the contractor has executed a subcontract with the firm before the DBE lost eligibility and ceased to be a certified DBE, the contractor may continue to receive credit toward the DBE contract goal for that firm's work on the executed subcontract. However, if the reason for the firm's DBE decertification is due to the firm being acquired or merged with a non-DBE, the portion of the work remaining after the date of decertification is not eligible for counting towards the contract goal. In this case, the Contractor must seek additional DBE participation to the extent needed to meet the contract goal or demonstrate that it has made good faith efforts to do so. Subcontract extensions that add work for firms that become decertified from the DBE program may not count for DBE goal credit without MoDOT's prior written consent.

(2) The bidder further certifies the bidder's understanding, that the dollar value of any work completed by a DBE firm prior to approval of the DBE's substitution or replacement, in writing, by MoDOT will not be credited toward meeting the DBE contract goal. No credit toward the DBE goal will be given for any amount withheld from payment to the DBE or "back charged" against monies owed to the DBE, regardless of the purpose or asserted debt.

10.0 Contract Goal Submittal. The bidder may submit the completed "DBE Identification Submittal" information in the bid documents at the same time as, and within the sealed bid, at the time the bid is submitted. However, if that information is not completed and submitted with the initial sealed bid, then as a matter of responsiveness and responsibility, all bidders shall file the completed "DBE Identification Submittal" pages to

the Local Agency on or before 4:00 p.m. of the third business day after the bid opening date. The Local Agency may permit telefax transmittal.

Any "DBE Identification Submittal" that identifies a DBE regular dealer or distributor must be accompanied by a "DBE Regular Dealer/Distributor Affirmation Form" that is completed and signed by both the bidder and the DBE. This form must be received on or before 4:00 p.m. of the third business day after the bid opening date.

No extension of time will be allowed for any reason. The means of transmittal and the risk of timely receipt of the information shall be the bidder's.

10.1 Good Faith Effort Submittal. If the bidder is not able to meet the Commission's DBE contract goal, the bidder has the opportunity to submit with and as a part of the bid, a true, accurate, complete and detailed written explanation of good faith efforts taken to meet the DBE Contract Goal established in the bid documents. The bidder shall use the "DBE Identification Submittal" sheets for any DBE participation that will be committed towards the goal and an explanation, with any supporting documentation, for the inability to meet the full goal established on the contract. Any Good Faith efforts shall be submitted as part of the bid or within the three business days after the bid opening.

10.2 Bidders Good Faith Efforts Described. MoDOT will consider the quality, quantity, and intensity of the different kinds of efforts that the bidder has made based upon 49 CFR Appendix A to Part 26 and the following additional efforts:

(a) Providing documentation on any and all past GFE activities for review.
(b) Past project DBE performance utilization.
(c) Race neutral methods utilized on completed projects.

All good faith efforts are evaluated on a case-by-case basis whereas any of the numerous good faith elements listed individually or collectively is not a guarantee of approval.

10.3 Administrative Reconsideration of the Bidder's Good Faith Efforts Made as a Part of the Bid Submittal. If MoDOT determines that the apparent low bidder has failed to adequately document in the bid that the bidder made a good faith effort to achieve sufficient DBE participation in the contract work, that firm will be offered the opportunity for administrative reconsideration upon written request, before MoDOT and the Commission reject that bid as non-responsive.

10.4 Forfeiture of Bid Bond possible when: The failure of either the apparent low bidder to file the completed and executed "DBE Identification Submittal", listing actual, committed DBE participation equal to or greater than the DBE contract goal percentage specified in the bid by 4:00 p.m. on the third business day after the bid opening, will be cause for rejection of that bid. In addition, the bid surety bond or bid guaranty of the apparent low bidder will be forfeited to and become the property of the Local Agency upon demand, only if the contract is awarded.

(a) By submitting a bid on a federal-aid project, the bidder accepts and agrees to these provisions, and the disposition of the bidders bid bond or guaranty, upon demand by the Local Agency.

11.0 DBE Participation for Contract Goal Credit. Goal credit will be in accordance with 49 CFR 26.55 as outlined for the following DBE types:

- Subcontractor
- Manufacturer
- Regular Dealer
- Distributor
- Broker
- Trucker

12.0 DBE Required to Perform a Commercially Useful Function (CUF). The DBE CUF requirements are stated in 49 CFR Part 26, (26.55). Any questions or further information needed for CUF determinations should be directed to MoDOT's Business Development & Compliance Division.

12.1 Quality Control (QC) and Quality Assurance (QA) Reviews. The prime contractor shall monitor their planned DBE project usage for CUF compliance and provide MoDOT information for areas of concern for further evaluation. MoDOT will perform a QA review, or compliance review, for DBE CUF and project documentation retained by the contractor through project completion. The contractor shall maintain all DBE related information it has received, documented and provided to MoDOT for a period of three years beyond the date of final inspection. MoDOT's determination that a DBE's participation may not count toward the project goal, or good faith effort level approved will be subject to administrative reconsideration.

12.2 MoDOT Makes Final Determination On Whether a CUF Is Performed. MoDOT will have the final authority to determine whether a DBE firm has performed a CUF on a federal-aid contract.

13.0 Verification of DBE Participation at project completion. (Assessment of Liquidated Damages Possible)

13.1 Prior to final payment by the Local Agency, the contractor shall file with the Local Agency a detailed list showing each DBE used on the contract work, and the work performed by each DBE. The list shall show the actual dollar amount paid to each DBE for the creditable work on the contract, less any rebates, kickbacks, deductions, withholdings or other repayments made. The list shall be certified under penalty of perjury, or other law, to be accurate and complete. MoDOT and the Commission will use this certification and other information available to determine if the contractor and the contractor's DBEs satisfied the DBE contract goal percentage specified in the contract and the extent to which the DBEs were fully paid for that work. The contractor shall

acknowledge, by the act of filing the detailed list, that the information is supplied to obtain payment regarding a federal participation contract.

13.2 Failure on the part of the contractor to achieve the DBE participation to which the contractor committed in the contract may result in liquidated damages being imposed on the contractor by the Commission for breach of contract and for non-compliance. If the contract was awarded with less than the original DBE contract goal proposed by the Commission, the revised lower amount became the final DBE contract goal, and that goal will be used to determine any liquidated damages to be assessed. Additionally, the Commission or MoDOT may impose any other administrative sanctions or remedies available at law or provided by the contract in the event of breach by the contractor by failing to satisfy the contractor's DBE contract goal commitment. The contractor will be offered the opportunity for administrative reconsideration of any assessment of liquidated damages determined at the project completion, upon written request. The administrative reconsideration officer may consider all facts presented, including the legitimacy or business reason for back charges assessed against a DBE firm, in determining the final amount of liquidated damages.

14.0 Miscellaneous DBE Program Requirements. In accordance with Title 49 CFR Part 26 and the Commission's DBE Program rules in Title 7 CSR Division 10, Chapter 8, the contractor, for both the contractor and for the contractor's subcontractors and suppliers, whether DBE firms or not, shall commit to comply fully with the auditing, record keeping, confidentiality, cooperation and anti-intimidation or retaliation provisions contained in those federal and state DBE Program regulations. By bidding on a federal-aid contract, and by accepting and executing that contract, the contractor agrees to assume these contractual obligations, and to bind the contractor's subrecipients contractually, at the contractor's expense.

15.0 Bidders List Data Collection. MoDOT is a recipient of federal funds and is required by 49 CFR 26.11, to provide data about its DBE program. The information shall consist of the names of all DBE and non-DBE subcontractors, suppliers, manufacturers, distributors, or brokers for actual use and of consideration by the prime bidder. Forms are provided to bidders that specify all required data points. Failure to submit the required forms may deem the bid irregular.

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501 Concrete

Section DIVISION 1000

1036 Reinforcing Steel for Concrete

GENERAL SPECIAL PROVISIONS

General

The work of this project shall be performed in accordance with the "Missouri Standard Specifications for Highway Construction" English Edition, dated 2025 as amended or supplemented herein. If a conflict exists between the two, this document shall prevail.

Field testing will be performed by the consultant according to the requirements of the current Local Public Agency Manual, provided by the Missouri Highway & Transportation Commission.

DIVISION 100

GENERAL CONDITIONS OF THE CONTRACT

SECTION 105 - CONTROL OF WORK

105.8 Delete this Section in its entirety and substitute the following.

105.8 Construction Stakes, Lines and Grades.

All construction work shall be done to the lines and grades shown on the plans. The Owner will establish on the site the required bench marks and base lines as shown on the plans. Detailed survey and staking for location and grade of individual structures or other construction, as well as measurements and elevations within structures shall be performed by the Contractor.

Amend Section 105.10 to include the following:

105.10.2.1 Observations and job control tests will generally be made by the engineer on the following items of work. It shall be the responsibility of the contractor to notify the engineer by 12:00 p.m. of the day preceding any operation which affects these items.

Reinforcing Steel Placement
All Concrete Operations
Placement of Geotextile Fabric, Rock Blanket and Rock Base

If any operation which affects the above mentioned items is to be performed on a Monday, notification must be made to the engineer by 12:00 p.m. of the preceding Friday. The lack of construction observation by the engineer shall not relieve the contractor of the responsibility to construct the project according to the plans and specifications. Any work performed or materials used without notification to and authorization by the engineer, may be ordered removed and replaced at the contractor's expense.

All technicians who perform, or are required by the FHWA to witness, such sampling and testing of materials and products incorporated into the project, shall be deemed as qualified by virtue of successfully completing the requirements of the MoDOT Engineering Policy Guide 106.18 Technician Certification Program, for the specific technical area(s) witnessed or sampled.

SECTION 106 - CONTROL OF MATERIAL

Delete Section 106.3 and substitute the following:

106.3 Samples, Tests, and Cited Specification. The contractor shall submit certifications and substantiating test reports, furnished by the supplier or fabricator, certifying that material and manufacturing procedures conform to the specifications. All sampling and testing required by the specifications shall be performed by the supplier in accordance with these specifications, and the results shall be signed, sealed and stamped according to laws related to professional engineers. There shall be no direct charge to the Owner for materials taken as samples, either for field tests or for laboratory tests. If a specification of a recognized national standard agency (ASTM, AASHTO, AWWA, AWS, etc.) is designated, the material may, unless otherwise specified, meet either the designated specification or the latest revision thereof in effect at the time of letting of the contract.

SECTION 108 - PROSECUTION AND PROGRESS

Delete Section 108.4 through Section 108.4.4 and substitute the following:

108.4 Work Schedule. To ensure that the work will proceed continuously through the succeeding operations to its completion with the least possible interference to traffic and inconvenience to the public, the contractor shall, at the request of the engineer, submit for approval a complete schedule of the proposed construction procedure, stating the sequence in which various operations of work are to be performed.

SECTION 109 - MEASUREMENT AND PAYMENT

109.6 Delete this section in its entirety and substitute the following:

109.6 Method of Payment. The Contractor shall submit a copy of the payment estimate to the Engineer for review, approval, and forwarding to the City. The City will make payment to the Contractor within 30 days of their acceptance of the pay estimate. More details regarding payment will be discussed during the preconstruction meeting.

Delete Sec 109.14 and 109.15 in their entirety.

DIVISION 200

GRADING AND REMOVALS

SECTION 202.30 – REMOVAL OF IMPROVEMENTS FOR ROADWAY CONTRACTS.

Delete Sections 202.30.2 and 202.30.3 in their entirety and substitute with the following:

202.30.2 Basis of Measurement and Payment. This work will not be measured for payment, but will be considered a lump sum unit. Payment for this work will be included in the lump sum price for the item, Removal of Improvements

DIVISION 500

RIGID PAVEMENTS

SECTION 501 - CONCRETE

Delete Section 501.3 in its entirety and substitute the following:

501.3 Mix Design. The contractor shall be responsible for the mix design. The Engineer assumes no responsibility for the volume of concrete produced or furnished for the work.

Actual mix design shall be prepared and submitted by the Contractor to the Engineer for his approval. The design shall be within the applicable limits of the specifications for the class of concrete specified in the contract.

Contractor shall provide certification from the concrete supplier that the plant has been calibrated by the Missouri Department of Transportation.

If certain testing procedures are specified for acceptance of materials in the "Standard Specifications", materials will be accepted for use in this project upon receipt from the supplier of a certification that the product or material meets the requirements of the "Standard Specifications."

Concrete may be accepted on the basis of conventional field sampling and testing for characteristics such as slump and air, where specified, and test cylinders, with only intermittent or random plant inspection as deemed necessary for control by the project engineer. Under this system, arrangements should be made for the producer to state on the delivery ticket accompanying each load of concrete; the class of concrete being furnished, the weights of cement, aggregates and water used in the batch and the time of batching. Only supplier-certified cement may be used.

The testing lab can use sulfur mortar for capping compressive test cylinders or a reusable Neoprene Cap as approved by the Engineer.

Add the following as Section 501.4.1

501.4.1 Unless otherwise specified, all concrete shall be subject to visual inspection, job control tests, and compressive strength tests performed on job control samples. These inspections and job control tests and samples will be performed by the engineer, at no expense to the contractor.

Add the following as Section 501.4.2

501.4.2 The engineer will make at least one strength test for each 100 cubic yards, or fraction thereof, of each mix design of concrete placed in any 1 day. When the total quantity of concrete with a given mix design is less than 50 cubic yards, the strength tests may be waived by the engineer if, in his judgment, adequate evidence of satisfactory strength has been demonstrated for the same kind of concrete supplied by the same concrete plant to the same project.

DIVISION 1000

MATERIAL DETAILS

SECTION 1036 – REINFORCING STEEL FOR CONCRETE

Add the following as Section 1036.2.4

If certain testing procedures are specified for acceptance of materials in the "Standard Specifications", materials will be accepted for use in this project upon receipt from the supplier of a certification that the product or material meets the requirements of the "Standard Specifications".

JOB SPECIAL PROVISIONS TABLE OF CONTENTS

(Job Special Provisions shall prevail over General Special Provisions whenever in conflict therewith.)

A. SALES TAX EXEMPTION FOR MATERIALS
B. CONTRACT LIQUIDATED DAMAGES JSP-13-01D
C. WORK ZONE TRAFFIC MANAGEMENT JSP-02-06N
D. ADA COMPLIANCE AND FINAL ACCEPTANCE OF CONSTRUCTED FACILITIES JSP-10-01C
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L. REMOVAL OF IMPROVEMENTS (LUMP SUM)
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N. MOBILIZATION (LUMP SUM)
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Q. GROUNDING SYSTEMS (RODS, CLAMPS, CONDUCTORS) (LUMP SUM)
R. DISTRIBUTION EQUIPTMENT CONDUIT/CONDUCTORS (LUMP SUM)
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T. ABOVE-GRADE ELECTRICAL JUNCTION BOXES AND ENCLOSURES (LUMP SUM)
U. LIGHTING CONDUITS (LUMP SUM)
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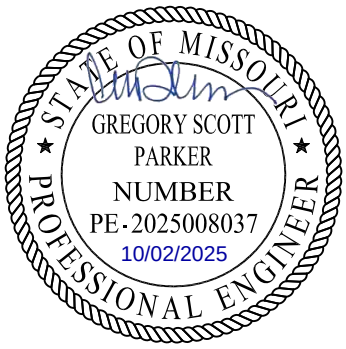
Y. BOLLARD CONCRETE BASES (LUMP SUM)
Z. REQUIRED COMBINATION OF CALLS
AA. RETAINAGE
BB. FINAL PAYMENT DOCUMENTS



A. SALES TAX EXEMPTION FOR MATERIALS

Materials purchased are exempt from state sales tax using the public agency's tax exemption certificate. The City of Odessa will make this certificate available to the successful bidder upon award of this contract. The Contractor should reflect any tax savings from the use of the Sales Tax Exemption Certificate in all of the bid items where materials will be purchased for the project.

B. CONTRACT LIQUIDATED DAMAGES JSP-13-01D

1.0 Description. Liquidated Damages for failure or delay in completing the work on time for this contract shall be in accordance with Sec 108.8. The liquidated damages include separate amounts for road user costs and contract administrative costs incurred by the Commission.

2.0 Period of Performance. Prosecution of work is expected to begin on the date specified below in accordance with Sec 108.2. Regardless of when the work is begun on this contract, all work on all projects shall be completed on or before the date specified below. Completion by this date shall be in accordance with the requirements of Sec 108.7.1.

Notice to Proceed:	January 1st , 2026
Contract Completion Date:	December 31st , 2026

2.1 Calendar Days and Completion Dates. Completion of the project is required as specified herein. The count of calendar days will begin on the date the contractor starts any construction operations on the project.

Project	Calendar Days	Daily Road User Cost
TAP-9901(443)	120	$1,800
TAP-9901(440)	120	$2,300

3.0 Liquidated Damages for Contract Administrative Costs. Should the contractor fail to complete the work on or before the contract completion date specified in Section 2.0, or within the number of calendar days specified in Section 2.1, whichever occurs first, the contractor will be charged contract administrative liquidated damages in accordance with Sec 108.8 in the amount of **$750** per calendar day for each calendar day, or partial day thereof, that the work is not fully completed. For projects in combination, these damages will be charged in full for failure to complete one or more projects within the specified contract completion date or calendar days.

4.0 Liquidated Damages for Road User Costs. Should the contractor fail to complete the work on or before the contract completion date specified in Section 2.0, or within the number of calendar days specified in Section 2.1, whichever occurs first, the contractor will be charged road user costs in accordance with Sec 108.8 in the amount specified in Section 2.1 for each calendar day, or partial day thereof, that the work is not fully completed. These damages are in addition to the contract administrative damages and any other damages as specified elsewhere in this contract.

C. WORK ZONE TRAFFIC MANAGEMENT JSP-02-06N

1.0 Description. Work zone traffic management shall be in accordance with applicable portions of Division 100 and Division 600 of the Standard Specifications, and specifically as follows.

1.1 Maintaining Work Zones and Work Zone Reviews. The Work Zone Specialist (WZS) shall maintain work zones in accordance with Sec 616.3.3 and as further stated herein. The WZS shall coordinate and implement any changes approved by the engineer. The WZS shall ensure all traffic control devices are maintained in accordance with Sec 616, the work zone is operated within the hours specified by the engineer, and will not deviate from the specified hours without prior approval of the engineer. The WZS is responsible to manage work zone delay in accordance with these project provisions. When requested by the engineer, the WZS shall submit a weekly report that includes a review of work zone operations for the week. The report shall identify any problems encountered and corrective actions taken. Work zones are subject to

unannounced inspections by the engineer and other departmental staff to corroborate the validity of the WZS's review and may require immediate corrective measures and/or additional work zone monitoring.

1.2 Work Zone Deficiencies. Failure to make corrections on time may result in the engineer suspending work. The suspension will be non-excusable and non-compensable regardless if road user costs are being charged for closures.

2.0 Traffic Management Schedule.

2.1 Traffic management schedules shall be submitted to the engineer for review prior to the start of work and prior to any revisions to the traffic management schedule. The traffic management schedule shall include the proposed traffic control measures, the hours traffic control will be in place, and work hours.

2.2 The traffic management schedule shall conform to the limitations specified in Sec 616 regarding lane closures, traffic shifts, road closures and other width, height and weight restrictions.

2.3 The engineer shall be notified as soon as practical of any postponement due to weather, material or other circumstances.

2.4 In order to ensure minimal traffic interference, the contractor shall schedule lane closures for the absolute minimum amount of time required to complete the work. Lanes shall not be closed until material is available for continuous construction and the contractor is prepared to diligently pursue the work until the closed lane is opened to traffic.

2.5 Traffic Congestion. The contractor shall, upon approval of the engineer, take proactive measures to reduce traffic congestion in the work zone. The contractor shall immediately implement appropriate mitigation strategies whenever traffic congestion reaches an excess of 10 minutes to prevent congestion from escalating to 15 minute or above threshold. If disruption of the traffic flow occurs and traffic is backed up in queues of 15 minute delays or longer, then the contractor shall immediately review the construction operations which contributed directly to disruption of the traffic flow and make adjustments to the operations to prevent the queues from reoccurring. Traffic delays may be monitored by physical presence on site or by utilizing real-time travel data through the work zone that generate text and/or email notifications where available. The engineer monitoring the work zone may also notify the contractor of delays that require prompt mitigation. The contractor may work with the engineer to determine what other alternative solutions or time periods would be acceptable.

2.5.1 Traffic Safety.

2.5.1.1 Recurring Congestion. Where traffic queues routinely extend to within 1000 feet of the ROAD WORK AHEAD, or similar, sign on a divided highway or to within 500 feet of the ROAD WORK AHEAD, or similar, sign on an undivided highway, the contractor shall extend the advance warning area, as approved by the engineer.

2.5.1.2 Non-Recurring Congestion. When traffic queues extend to within 1000 feet of the ROAD WORK AHEAD, or similar, sign on a divided highway or to within 500 feet of the ROAD WORK AHEAD, or similar, sign on an undivided highway infrequently, the contractor shall deploy a means of providing advance warning of the traffic congestion, as approved by the engineer. The warning location shall be no less than 1000 feet and no more than 0.5 mile in advance of the end of the traffic queue on divided highways and no less than 500 feet and no more than 0.5 mile in advance of the end of the traffic queue on undivided highways.

3.0 Work Hour Restrictions.

3.1 Except for emergency work, as determined by the engineer, and long term lane closures required by project phasing, all lanes shall be scheduled to be open to traffic during the five major holiday periods shown below, from 12:00 noon on the last working day preceding the holiday until 6:00 a.m. on the first working day subsequent to the holiday unless otherwise approved by the engineer.

Memorial Day
Labor Day
Thanksgiving
Christmas

New Year's Day

3.1.1 Independence Day. The lane restrictions specified in Section 3.1 shall also apply to Independence Day, except that the restricted periods shall be as follows:

When Independence Day falls on:	The Holiday is Observed on:	Halt Lane Closures beginning at:	Allow Lane Closures to resume at:
Sunday	Monday	Noon on Friday	6:00 a.m. on Tuesday
Monday	Monday	Noon on Friday	6:00 a.m. on Tuesday
Tuesday	Tuesday	Noon on Monday	6:00 a.m. on Wednesday
Wednesday	Wednesday	Noon on Tuesday	6:00 a.m. on Thursday
Thursday	Thursday	Noon on Wednesday	6:00 a.m. on Friday
Friday	Friday	Noon on Thursday	6:00 a.m. on Monday
Saturday	Friday	Noon on Thursday	6:00 a.m. on Monday

3.1.2 Except for emergency work, as determined by the engineer, and long term lane closures required by project phasing, the contractor's working hours will be restricted for the Special Events as shown below. All lanes shall be scheduled to be open to traffic during these Special Events.

(**Insert special event and time here**)

3.2 The contractor shall not perform any construction operation on the roadway, roadbed or active lanes, including the hauling of material within the project limits, during restricted periods, holiday periods or other special events specified in the contract documents.

4.0 Detours and Lane Closures. At least one lane of traffic in each direction shall be maintained at all times except for brief intervals of time required when the movement of the contractor's equipment will seriously hinder the safe movement of traffic. Periods during which the contractor will be allowed to interrupt traffic will be designated by the engineer.

5.0 Basis of Payment. No direct payment will be made to the contractor to recover the cost of equipment, labor, materials, or time required to fulfill the above provisions, unless specified elsewhere in the contract document. All authorized changes in the traffic control plan shall be provided for as specified in Sec 616.

D. ADA COMPLIANCE AND FINAL ACCEPTANCE OF CONSTRUCTED FACILITIES JSP-10-01C

1.0 Description. The contractor shall comply with all laws pertaining to the Americans with Disabilities Act (ADA) during construction of pedestrian facilities on public rights of way for this project. An ADA Checklist is provided herein to be utilized by the contractor for verifying compliance with the ADA law. The contractor is expected to familiarize himself with the plans involving pedestrian facilities and the ADA Post Construction Checklist prior to performing the work.

2.0 ADA Checklist. The contractor can locate the ADA Checklist form on the Missouri Department of Transportation website:

https://www.modot.org/forms-contractor-use

2.1 The ADA Checklist is not to be considered all-inclusive, nor does it supersede any other contract requirements. The ADA checklist is a required guide for the contractor to use during the construction of the pedestrian facilities and a basis for the commission's acceptance of work. Prior to work being performed, the contractor shall bring to the engineer's attention any planned work that is in conflict with the design or with the requirement shown in the checklist. This notification shall be made in writing. Situations may arise where the checklist may not fully address all requirements needed to construct a facility to the full requirements of current ADA law. In those situations, the contractor shall propose a solution to the engineer that is compliant with current ADA law using the following hierarchy of resources: 2010 ADA Standards for Accessible Design, Draft Public Rights of Way Accessibility Guidelines (PROWAG) dated November 23, 2005, MoDOT's Engineering Policy Guidelines (EPG), or a solution approved by the U.S. Access Board.

2.2 It is encouraged that the contractor monitor the completed sections of the newly constructed pedestrian facilities in attempts to minimize negative impacts that his equipment, subcontractors or general public may have on the work. Completed facilities must comply with the requirements of ADA and the ADA Checklist or have documented reasons for the non-compliant items to remain.

3.0 Coordination of Construction.

3.1 Prior to construction and/or closure on an existing pedestrian path of travel, the contractor shall submit a schedule of work to be constructed, which includes location of work performed, the duration of time the contractor expects to impact the facility and an accessible signed pedestrian detour compliant with MUTCD Section 6D that will be used during each stage of construction. This plan shall be submitted to the engineer for review and approval at or prior to the pre-construction conference. Accessible signed detours shall be in place prior to any work being performed that has the effect of closing an existing pedestrian travel way.

3.2 When consultant survey is included in the contract, the contractor shall use their survey crews to verify that the intended design can be constructed to the full requirements as established in the 2010 ADA Standards. When 2010 ADA Standards do not give sufficient information to construct the contract work, the contractor shall refer to the PROWAG.

3.3 When consultant survey is not included in the contract, the contractor shall coordinate with the engineer, prior to construction, to determine if additional survey will be required to confirm the designs constructability.

4.0 Final Acceptance of Work. The contractor shall provide the completed ADA Checklist to the engineer at the semi-final inspection. ADA improvements require final inspection and compliance with the ADA requirements and the ADA Checklist. Each item listed in the checklist must receive either a "YES" or an "N/A" score. Any item receiving a "NO" will be deemed non-compliant and shall be corrected at the contractor's expense unless deemed otherwise by the engineer. Documentation must be provided about the location of any non-compliant items that are allowed to remain at the end of the construction project. Specific details of the non-compliant items, the ADA requirement that the work was not able to comply with, and the specific reasons that justify the exception are to be included with the completed ADA Checklist provided to the engineer.

4.1 Slope and grade measurements shall be made using a properly calibrated, 2 foot long, electronic digital level approved by the engineer.

5.0 Basis of Payment. The contractor will receive full pay of the contract unit cost for all sidewalk, ramp, curb ramp, median, island, approach work, cross walk striping, APS buttons, pedestrian heads, detectible warning systems and temporary traffic control measures that are completed during the current estimate period as approved by the engineer. Based upon completion of the ADA Checklist, the contractor shall complete any necessary adjustments to items deemed non-compliant as directed by the engineer.

5.1 No direct payment will be made to the contractor to recover the cost of equipment, labor, materials, or time required to fulfill the above provisions, unless specified elsewhere in the contract documents.

E. UTILITIES

1.0 For informational purposes only, the following is a list of names, addresses, and telephone numbers of the known utility companies in the area of the construction work for this improvement:

UTILITY NAME	KNOWN REQUIRED ADJUSTMENT
CENTURY LINK (FIBER) 1215 S Broadway, Oak Grove, MO 64075 816-320-4795	None anticipated, however, utility locations and potential conflicts shall be field verified.
SPIRE (GAS)	None anticipated, however, utility locations

7500 E 35th Terrace, Kansas City, MO 64129 *800-582-1234	and potential conflicts shall be field verified.
CITY OF ODESSA SEWER/WATER Andrea Johns (816-230-5577) 125 S 2nd Street, Odessa, MO 64076 816-633-4662	None anticipated, however, utility locations and potential conflicts shall be field verified.
CITY OF ODESSA ELECTRIC Andrea Johns (816-230-5577) 125 S 2nd Street, Odessa, MO 64076 816-633-5521	None anticipated, however, utility locations and potential conflicts shall be field verified.

2.0 The existence and approximate location of utility facilities known to exist, as shown on the plans, are based upon the best information available to the Commission at this time. This information is provided by the Commission "as-is" and the Commission expressly disclaims any representation or warranty as to the completeness, accuracy, or suitability of the information for any use. Reliance upon this information is done at the risk and peril of the user, and the Commission shall not be liable for any damages that may arise from any error in the information. It is, therefore, the responsibility of the Contractor to verify the above listing information indicating existence, location and status of any facility. Such verification includes direct contact with the listed utilities.

3.0 The Contractor agrees that any effects of the presence of the utilities, their relocation, Contractor's coordination of work with the utilities and any delay in utility relocation shall not be compensable as a suspension of work, extra work, a change in the work, as a differing site condition or otherwise including but, without limitation, delay, impact, incidental or consequential damages. The Contractor's sole remedy for the effects of the presence of utilities, delay in their relocation or any other effects shall be an excusable delay as provided in Section 105.7.3. The Contractor waives, for itself, its subcontractors and suppliers the compensability of the presence of utilities, delay in their relocation and any cost to the Contractor, its subcontractors and suppliers in any claim or action arising out of or in relation to the work under the contract.

4.0 The Contractor shall be solely responsible and liable for incidental and consequential damage to any utility facilities or interruption of the service caused by it or its subcontractors' operation. The Contractor shall hold and save harmless the Commission from damages to any utility facilities interruption of service by it or its subcontractor's operation.

5.0 The Contractor shall be solely responsible for contacting Missouri One Call (800 Dig Rite) to locate utilities in the project area.

F. DRIVEWAY ENTRANCE CONSTRUCTION

Temporary ingress/egress entrances shall be provided at each active commercial or residential entrance in locations where entrance replacement operations directly affect the safety and accessibility of the entrance to the property owner. Contractor will advise the Engineer and the affected property owner at least 5 days in advance before beginning entrance removal operations. Entrance removal and reconstruction shall commence at one area of the project and proceed to the end of the project in such a way to keep the areas under construction as small as practicable. Temporary Entrances shall be considered incidental to construction.

G. DISPOSAL OF MATERIAL

The Contractor shall be responsible for disposal of all excavated waste and unsuitable materials in accordance with all applicable Federal, State, and local ordinances. This shall include any stockpiles of utility spoils along the project. The Contractor shall provide the Engineer with copies of all necessary environmental clearances for any location which he intends to use to place such waste material. Disposal shall be considered incidental to the project and no additional payment will be made for compliance with this provision. This includes, but is not limited to, procurement of all necessary environmental clearances for any proposed waste sites, loading, unloading, and hauling off of waste material, placement of waste material,

and restoration of waste site after use, including seeding and mulching the waste area.

H. GENERAL

Materials that will be accepted on the basis of certifications and test reports, where applicable, from the supplier, are as follows: Cement, reinforcing steel, culvert pipe, steel pile, pre-cast bridge components and accessories, filter fabric, bituminous material, aggregates for concrete and bituminous construction, and other items normally produced with quality control sampling and testing. These certifications and reports must be received by the City prior to their payment to the Contractor for the material represented. The Engineer reserves the right to sample and test any material. Acceptance will be based on the certification, visual inspection and the result of any tests the Engineer may perform.

A minimum of one gradation test for both coarse and fine aggregates used in concrete for projects up to 600 cubic yards total will be required. All aggregates shall come from a source previously approved by the Missouri Department of Transportation. Field sampling and testing for slump, air content where specified, and strength by use of test beams or test cylinders will be made as required by MoDOT. The Engineer shall furnish equipment and personnel for the field testing. Laboratory testing of beams or cylinders and other job control tests shall be by an approved testing laboratory. For projects requiring less than 100 cubic yards of concrete no aggregate testing will be required, however certification of aggregates will be required.

All concrete shall be supplied by a ready-mix plant which has been calibrated no more than six months prior to notice to proceed. The Contractor shall provide certification from the supplier that the concrete furnished meets the Missouri Department of Transportation Specifications for Class B, the class of concrete called for in the Plans, or as approved by the Engineer. The producer shall state on delivery tickets accompanying each load of concrete, the class of concrete being furnished, the weights of cement, aggregates and water used in the batch and the time of batching. Intermittent or random plant inspection will be made as deemed necessary by the project Engineer.

All materials shall be subject to visual inspection at point of delivery on the project, and may be rejected based on non-conforming appearance.

I. SUPPLEMENTAL REVISIONS JSP-18-01AB

The Missouri Highways and Transportation Commission shall not enter into a contract (or extend or renew a contract) using federal funds to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as substantial or as critical technology as part of any system where the video surveillance and telecommunications equipment was produced by Huawei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

Stormwater Compliance Requirements

1.0 Description. This provision requires the contractor to provide a Water Pollution Control Manager (WPCM) for any project that includes land disturbance on the project site and the total area of land disturbance, both on the project site, and all Off-site support areas, is one (1) acre or more. Regardless of the area of Off-site disturbance, if no land disturbance occurs on the project site, these provisions do not apply. When a WPCM is required, all sections within this provision shall be applicable, including assessment of specified Liquidated Damages for failure to correct Stormwater Deficiencies, as specified herein. This provision is in addition to any other stormwater, environmental, and land disturbance requirements specified elsewhere in the contract.

1.1 Definitions. The project site is defined as all areas designated on the plans, including temporary and permanent easements. The project site is equivalent to the "permitted site", as defined in MoDOT's State Operating Permit. An Off-site area is defined as any location off the project site the contractor utilizes for a dedicated project support function, such as, but not limited to, staging area, plant site, borrow area, or waste area.

1.2 Reporting of Off-Site Land Disturbance. If the project includes any planned land disturbance on the project site, prior to the start of work, the contractor shall submit a written report to the engineer that discloses all Off-site support areas where

land disturbance is planned, the total acreage of anticipated land disturbance on those sites, and the land disturbance permit number(s). Upon request by the engineer, the contractor shall submit a copy of its land disturbance permit(s) for Off-site locations. Based on the total acreage of land disturbance, both on and Off-site, the engineer shall determine if these Stormwater Compliance Requirements shall apply. The Contractor shall immediately report any changes to the planned area of Off-site land disturbance. The Contractor is responsible for obtaining its own separate land disturbance permit for Off-site areas.

2.0 Water Pollution Control Manager (WPCM). The Contractor shall designate a competent person to serve as the Water Pollution Control Manager (WPCM) for projects meeting the description in Section 1.0. The Contractor shall ensure the WPCM completes all duties listed in Section 2.1.

2.1 Duties of the WPCM:

(a) Be familiar with the stormwater requirements including the current MoDOT State Operating Permit for construction stormwater discharges/land disturbance activities; MoDOT's statewide Stormwater Pollution Prevention Plan (SWPPP); the Corps of Engineers Section 404 Permit, when applicable; the project specific SWPPP, the Project's Erosion & Sediment Control Plan; all applicable special provisions, specifications, and standard drawings; and this provision;

(b) Successfully complete the MoDOT Stormwater Training Course within the last 4 years. The MoDOT Stormwater Training is a free online course available at MoDOT.org;

(c) Attend the Pre-Activity Meeting for Grading and Land Disturbance and all subsequent Weekly Meetings in which grading activities are discussed;

(d) Oversee and ensure all work is performed in accordance with the Project-specific SWPPP and all updates thereto, or as designated by the engineer;

(e) Review the project site for compliance with the Project SWPPP, as needed, from the start of any grading operations until final stabilization is achieved, and take necessary actions to correct any known deficiencies to prevent pollution of the waters of the state or adjacent property owners prior to the engineer's weekly inspections;

(f) Review and acknowledge receipt of each MoDOT Inspection Report (Land Disturbance Inspection Record) for the Project within forty eight (48) hours of receiving the report and ensure that all Stormwater Deficiencies noted on the report are corrected as soon as possible, but no later than stated in Section 5.0.

3.0 Pre-Activity Meeting for Grading/Land Disturbance and Required Hold Point. A Pre-Activity meeting for grading/land disturbance shall be held prior to the start of any land disturbance operations. No land disturbance operations shall commence prior to the Pre-Activity meeting except work necessary to install perimeter controls and entrances. Discussion items at the pre-activity meeting shall include a review of the Project SWPPP, the planned order of grading operations, proposed areas of initial disturbance, identification of all necessary BMPs that shall be installed prior to commencement of grading operations, and any issues relating to compliance with the Stormwater requirements that could arise in the course of construction activity at the project.

3.1 Hold Point. Following the pre-activity meeting for grading/land disturbance and subsequent installation of the initial BMPs identified at the pre-activity meeting, a Hold Point shall occur prior to the start of any land disturbance operations to allow the engineer and WPCM the time needed to perform an on-site review of the installation of the BMPs to ensure compliance with the SWPPP is met. Land disturbance operations shall not begin until authorization is given by the engineer.

4.0 Inspection Reports. Weekly and post run-off inspections will be performed by the engineer and each Inspection Report (Land Disturbance Inspection Record) will be entered into a web-based Stormwater Compliance database. The WPCM will be granted access to this database and shall promptly review all reports, including any noted deficiencies, and shall acknowledge receipt of the report as required in Section 2.1 (f.).

5.0 Stormwater Deficiency Corrections. All stormwater deficiencies identified in the Inspection Report shall be corrected by the contractor within 7 days of the inspection date or any extended period granted by the engineer when weather or field

conditions prohibit the corrective work. If the contractor does not initiate corrective measures within 5 calendar days of the inspection date or any extended period granted by the engineer, all work shall cease on the project except for work to correct these deficiencies, unless otherwise allowed by the engineer. All impact costs related to this halting of work, including, but not limited to stand-by time for equipment, shall be borne by the Contractor. Work shall not resume until the engineer approves the corrective work.

5.1 Liquidated Damages. If the Contractor fails to complete the correction of all Stormwater Deficiencies listed on the MoDOT Inspection Report within the specified time limit, the Commission will be damaged in various ways, including but not limited to, potential liability, required mitigation, environmental clean-up, fines, and penalties. These damages are not reasonably capable of being computed or quantified. Therefore, the contractor will be charged with liquidated damages specified in the amount of $2,000 per day for failure to correct one or more of the Stormwater Deficiencies listed on the Inspection Report within the specified time limit. In addition to the stipulated damages, the stoppage of work shall remain in effect until all corrections are complete.

6.0 Basis of Payment. No direct payment will be made for compliance with this provision.

Anti-Discrimination Against Israel Certification

By signing this contract, the Company certifies it is not currently engaged in and shall not, for the duration of the contract, engage in a boycott of goods or services from the State of Israel, companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel, or persons or entities doing business in the State of Israel as defined by Section 34.600 RSMo. This certification shall not apply to contracts with a total potential value of less than One Hundred Thousand Dollars ($100,000) or to contractors with fewer than ten (10) employees.

Ground Tire Rubber (GTR) Dry Process Modification of Bituminous Pavement Material

1.0 Description. This work shall consist of the dry process of adding ground tire rubber (GTR) to modify bituminous material to be used in highway construction. Existing GTR requirements in Section 1015 pertain to the wet process method of GTR modification that blends GTR with the asphalt binder (terminal blending or blending at HMA plant). The following requirements shall govern for dry process GTR modification. The dry process method adds GTR as a fine aggregate or mineral filler during mix production. All GTR modified asphalt mixtures shall be in accordance with Secs 401, 402, or 403 as specified in the contract; except as revised by this specification.

2.0 Materials. The contractor shall furnish a manufacturer's certification to the engineer for each shipment of GTR furnished stating the name of the manufacturer, the chemical composition, workability additives, and certifying that the GTR supplied is in accordance with this specification.

2.1 Product Approval. The GTR product shall contain a Trans-Polyoctenamer (TOR) added at 4.5 % of the weight of the crumb rubber or an engineered crumb rubber (ECR) workability additive that has proven performance in Missouri. Other GTR additives shall be demonstrated and proven prior to use such as a five-year field performance history in other states or performance on a federal or state-sanctioned accelerated loading facility.

2.2 General. GTR shall be produced from processing automobile or truck tires by ambient or cryogenic grinding methods. Heavy equipment tires, uncured or de-vulcanized rubber will not be permitted. GTR shall also meet the following material requirements:

Table 1 – GTR Material Properties		
Property	**Test Method**	**Criteria**
Specific Gravity	ASTM D1817	1.02 to 1.20
Metal Contaminates	ASTM D5603	≤ 0.01%
Fiber Content	ASTM D5603	≤ 0.5%
Moisture Content	ASTM D1509	≤ 1.0%*
Mineral Filler	AASHTO M17	≤ 4.0%

*Moisture content of the GTR shall not cause foaming when combined with asphalt binder and aggregate during mix production

2.3 Gradation. The GTR material prior to TOR or ECR workability additives shall meet the following gradation and shall be tested in accordance with ASTM D5603 and ASTM D5644.

Table 2 – GTR Gradation	
Sieve	**Percent Passing by Weight**
No. 20	100
No. 30	98-100
No. 40	50-70
No. 100	5-15

3.0 Delivery, Storage, and Handling. The GTR shall be supplied in moisture-proof packaging or other appropriate bulk containers. GTR shall be stored in a dry location protected from rain before use. Each bag or container shall be properly labeled with the manufacturer's designation for the GTR and specific type, mesh size, weight and manufacturer's batch or Lot designation.

4.0 Feeder System. Dry Process GTR shall be controlled with a feeder system using a proportioning device that is accurate to within ± 3 percent of the amount required. The system shall automatically adjust the feed rate to always maintain the material within this tolerance and shall have a convenient and accurate means of calibration. The system shall provide in-process monitoring, consisting of either a digital display of output or a printout of feed rate, in pounds per minute, to verify feed rate. The supply system shall report the feed in 1-pound increments using load cells that will enable the user to monitor the depletion of the GTR. Monitoring the system volumetrically will not be allowed. The feeder shall interlock with the aggregate weight system and asphalt binder pump to maintain correct mixture proportions at all production rates.

Flow indicators or sensing devices for the system shall be interlocked with the plant controls to interrupt mixture production if GTR introduction rate is not within ± 3 percent. This interlock will immediately notify the operator if GTR introduction rate exceeds introduction tolerances. All plant production will cease if the introduction rate is not brought back within tolerance after 30 seconds. When the interlock system interrupts production and the plant has to be restarted, upon restarting operations; the modifier system shall run until a uniform feed can be observed on the output display. All mix produced prior to obtaining a uniform feed shall be rejected.

4.1 Batch Plants. GTR shall be added to aggregate in the weigh hopper. Mixing times shall be increased per GTR manufacturer recommendations.

4.2 Drum Plants. The feeder system shall add GTR to aggregate and liquid binder during mixing and provide sufficient mixing time to produce a uniform mixture. The feeder system shall ensure GTR does not become entrained in the exhaust system of the drier or plant and is not exposed to the drier flame at any point after introduction.

5.0 Testing During Mixture Production. Testing of asphalt mixes containing GTR shall not begin until at least 30 minutes after production or per additive supplier's recommendation.

6.0 Construction Requirements. Mixes containing GTR shall have a target mixing temperature of 325 F or as directed by the GTR additive supplier. The additive supplier's recommendations shall be followed to allow for GTR binder absorption/reaction. This may include holding mix in the silo to allow time for binder to absorb into the GTR. Rolling operations may need to be modified.

7.0 Mix Design Test Method Modification. A formal mixing procedure from the additive supplier shall be provided to the contractor and engineer that details the proper sample preparation, including blending GTR with the binder or other additives. Samples shall be prepared and fabricated in accordance with this procedure by the engineer and contractor throughout the duration of the project.

8.0 Mix design Volumetrics. Mix design volumetric equations shall be modified as follows:

8.1 Additional virgin binder added to offset GTR absorption of binder shall be counted as part of the mix virgin binder

8.2 GTR shall be included as part of the aggregate when calculating VMA of the mix.

8.2.1 GTR SPG shall be 1.15

8.3 Mix G_{sb} used to determine VMA shall be calculated as follows:

$$G_{sb\ (JMF)} = \frac{(100 - P_{bmv})}{\left(\frac{P_s}{G_{sb}} + \frac{P_{GTR}}{G_{GTR}}\right)}$$

$$where:$$

$G_{sb\ (JMF)} = bulk\ specific\ gravity\ of\ the\ combined\ aggregate\ including\ GTR$
$P_{bmv} = percent\ virgin\ binder\ by\ total\ mixture\ weight$
$P_s = percent\ aggregate\ by\ total\ mixture\ weight\ (not\ including\ GTR)$
$P_{GTR} = percent\ GTR\ by\ total\ mixture\ weight$
$G_{sb} = bulk\ specific\ gravity\ of\ the\ combined\ aggregate\ (not\ including\ GTR)$
$G_{GTR} = GTR\ specific\ gravity$

8.4 G_{se} shall be calculated as follows:

$$G_{se} = \frac{(100 - P_b - P_{GTR})}{\left(\frac{100}{G_{mm}} - \frac{P_b}{G_b} - \frac{P_{GTR}}{G_{GTR}}\right)}$$

8.5 P_{be} shall be calculated as follows:

$$P_{be} = P_b - \frac{P_{ba}}{100} * (P_s + P_{GTR})$$

9.0 Minimum GTR Amount. The minimum dosage rate for GTR shall be 5 % by weight of total binder for an acceptable one bump grade or 10 % by weight of total binder for an acceptable two bump grade as detailed in the following table. Varying percentage blends of GTR and approved additives may be used as approved by the engineer with proven performance and meeting the specified requirements of the contract grade.

Contract Binder Grade	Percent Effective Virgin Binder Replacement Limits	Required Virgin Binder Grade	Minimum GTR Dosage Rate
PG 76-22	0 - 20	PG 70-22	5 %
		PG 64-22	10 %

PG 70-22	0 - 30	PG 64-22	5 %
		PG 58-28	10 %
PG 64-22	0 – 40*	PG 58-28	5 %
		PG 52-34	10 %
PG 58-28	0 – 40*	PG 52-34	5 %
		PG 46-34	10 %

* Reclaimed Asphalt Shingles (RAS) may be used when the contract grade is PG 64-22 or PG 58-28. RAS replacement shall follow the 2 x RAS criteria when calculating percent effective binder replacement in accordance Sec 401.

Delete Sec 403.19.2 and substitute the following:

403.19.2 Lots. The lot size shall be designated in the contractor's QC Plan. Each lot shall contain no less than four sublots and the maximum sublot size shall be 1,000 tons. The maximum lot size shall be 4,000 tons for determination of pay factors. Sublots from incomplete lots shall be combined with the previous complete lot for determination of pay factors. When no previous lot exists, the mixture shall be treated in accordance with Sec 403.23.7.4.1. A new lot shall begin when the asphalt content of a mixture is adjusted in accordance with Sec 403.11.

Delete Sec 106.9 in its entirety and substitute the following:

106.9 Buy America Requirements.
Buy America Requirements are waived if the total amount of Federal financial assistance applied to the project, through awards or subawards, is below $500,000.

106.9.1 Buy America Requirements for Iron and Steel.
On all federal-aid projects, the contractor's attention is directed to Title 23 CFR 635.410 *Buy America Requirements*. Where steel or iron products are to be permanently incorporated into the contract work, steel and iron material shall be manufactured, from the initial melting stage through the application of coatings, in the USA except for "minimal use" as described herein. Furthermore, any coating process of the steel or iron shall be performed in the USA. Under a general waiver from FHWA the use of pig iron and processed, pelletized, and reduced iron ore manufactured outside of the USA will be permitted in the domestic manufacturing process for steel or iron material.

106.9.1.1 Buy America Requirements for Iron and Steel for Manufactured items.
A manufactured item will be considered iron and steel if it is "predominantly" iron or steel. Predominantly iron or steel means that the cost of iron or steel content of a product is more than 50 percent of the total cost of all its components.

106.9.2 Any sources other than the USA as defined will be considered foreign. The required domestic manufacturing process shall include formation of ingots and any subsequent process. Coatings shall include any surface finish that protects or adds value to the product.

106.9.3 "Minimal use" of foreign steel, iron or coating processes will be permitted, provided the cost of such products does not exceed 1/10 of one percent (0.1 percent) of the total contract cost or $2,500.00, whichever is greater. If foreign steel, iron, or coating processes are used, invoices to document the cost of the foreign portion, as delivered to the project, shall be provided and the engineer's written approval obtained prior to placing the material in any work.

106.9.4 Buy America requirements include a step certification for all fabrication processes of all steel or iron materials that are accepted per Sec 1000. The AASHTO Product Evaluation and Audit Solutions compliance program verifies that all steel and iron products fabrication processes conform to 23 CFR 635.410 Buy America Requirements and is an acceptable standard per 23 CFR 635.410(d). AASHTO Product Evaluation and Audit Solutions compliant suppliers will not be required to submit step certification documentation with the shipment for some selected steel and iron materials. The AASHTO Product Evaluation and Audit Solutions compliant supplier shall maintain the step certification documentation on file and shall provide this documentation to the engineer upon request.

106.9.4.1 Items designated as Category 1 will consist of steel girders, piling, and reinforcing steel installed on site. Category 1 items require supporting documentation prior to incorporation into the project showing all steps of manufacturing, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements. This includes the Mill Test Report from the original producing steel mill and certifications documenting the manufacturing process for all subsequent fabrication, including coatings. The certification shall include language that certifies the following. That all steel and iron materials permanently incorporated in this project was procured and processed domestically and all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410.

106.9.4.2 Items designated as Category 2 will include all other steel or iron products not in Category 1 and permanently incorporated in the project. Category 2 items shall consist of, but not be limited to items such as fencing, guardrail, signing, lighting and signal supports. The prime contractor is required to submit a material of origin form certification prior to incorporation into the project from the fabricator for each item that the product is domestic. The Certificate of Materials Origin form (link to certificate form) from the fabricator must show all steps of manufacturing, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements and be signed by a fabricator representative. The engineer reserves the right to request additional information and documentation to verify that all Buy America requirements have been satisfied. These documents shall be submitted upon request by the engineer and retained for a period of 3 years after the last reimbursement of the material.

106.9.4.3 Any minor miscellaneous steel or iron items that are not included in the materials specifications shall be certified by the prime contractor as being procured domestically. Examples of these items would be bolts for sign posts, anchorage inserts, etc. The certification shall read "I certify that all steel and iron materials permanently incorporated in this project during all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements procured and processed domestically in accordance with CFR Title 23 Section 635.410 Buy America Requirements. Any foreign steel used was submitted and accepted under minor usage". The certification shall be signed by an authorized representative of the prime contractor.

106.9.5 When permitted in the contract, alternate bids may be submitted for foreign steel and iron products. The award of the contract when alternate bids are permitted will be based on the lowest total bid of the contract based on furnishing domestic steel or iron products or 125 percent of the lowest total bid based on furnishing foreign steel or iron products. If foreign steel or iron products are awarded in the contract, domestic steel or iron products may be used; however, payment will be at the contract unit price for foreign steel or iron products.

106.9.6 Buy America Requirements for Construction Materials other than iron and steel materials. Construction materials means articles, materials, or supplies that consist of only one of the items listed. Minor additions of articles, materials, supplies, or binding agents to a construction material do not change the categorization of the construction material. Upon request by the engineer, the contractor shall submit a domestic certification for all construction materials listed that are incorporated into the project.

(a) Non-ferrous metals
(b) Plastic and Polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables)
(c) Glass (including optic glass)
(d) Fiber optic cable (including drop cable)
(e) Optical fiber
(f) Lumber
(g) Engineered wood
(h) Drywall

106.9.6.1 Minimal Use allowance for Construction Materials other than iron or steel.
"The total value of the non-compliant products is no more than the lesser of $1,000,000 or 5% of total applicable costs for the project." The contractor shall submit to the engineer any non-domestic materials and their total material cost to the engineer. The contractor and the engineer will both track these totals to assure that the minimal usage allowance is not exceeded.

106.9.7 Buy America Requirements for Manufactured Products.
Manufactured products means:

(a) Articles, materials, or supplies that have been:

(i) Processed into a specific form and shape; or
(ii) Combined with other articles, materials, or supplies to create a product with different properties than the individual articles, materials, or supplies.

(b) If an item is classified as an iron or steel product, a construction material, or a section 70917(c) material under § 184.4(e) and the definitions set forth in this section, then it is not a manufactured product. However, an article, material, or supply classified as a manufactured product under § 184.4(e) and paragraph (1) of this definition may include components that are construction materials, iron or steel products, or section 70917(c) materials.

106.9.7.1 Manufactured products are exempt from Buy America requirements. To qualify as a manufactured product, items that consist of two or more of the listed construction materials that have been combined together through a manufacturing process, and items that include at least one of the listed materials combined with a material that is not listed through a manufacturing process, should be treated as manufactured products, rather than as construction materials.

106.9.7.2 Manufactured items are covered under a general waiver to exclude them from Buy America Requirements. To qualify for the exemption the components must comprise of 55% of the value of materials in the item. The final assembly must also be performed domestically.

Delete Sec 109.14.1 thru Sec 109.14.8 and substitute the following:

109.14.1 Monthly Fuel Index. Each month, the Monthly Fuel Index will be established as the average retail price per gallon for Ultra Low Sulfur Diesel for the Midwest (PADD 2) area as posted on the first Monday of the month by the U.S. Energy Information Administration (EIA). Should the posted price not be available for any reason, the MoDOT State Construction and Materials Engineer will use reasonable methods, at their sole discretion, to establish the Monthly Fuel Index on an interim basis until the EIA resumes its publication.

109.14.2 Fuel Adjustment Calculation.

B = Base Fuel Index = Monthly Fuel Index in the month in which the project was let
C = Current Index = Monthly Fuel Index in the month in which the work was performed
U = Units of work performed within the current pay estimate period (applicable pay units)
F = Total Fuel Usage Factor (gal./applicable pay units)

Fuel Adjustment (Dollars) = (C – B) x U x F

109.14.3 Each pay estimate period, a fuel adjustment payment or deduction will be applied for the quantity of work performed that period on each qualifying pay item. For calculation of the fuel adjustment, work performed on the first day of a month will generally be included with the second estimate in the previous month to keep fuel adjustments in sync with MoDOT's normal payment estimate period schedule. The Commission reserves the right to include work performed on the first day of the month with the current month to accommodate financial accounting termini, such as the beginning of the state and federal fiscal years (July 1 and October 1).

109.14.4 If the bidder wishes to be bound by these specifications, the bidder shall execute the acceptance form in the proposal. Failure by the bidder to execute the acceptance form will be interpreted to mean election to not participate in the price adjustment for fuel.

Disposal of Blast Media and Paint Residue

1.0 Description. Whereas Sec 1081.10 requires delivery of Blast Media and Paint Residue (BMPR) produced from bridge coating activities to The Doe Run Company for recycling, and considering the amount of BMPR produced on all active MoDOT projects statewide at any given point in time may exceed the recycling capacity of Doe Run, this provision allows for an alternate method of disposal of BMPR. The contractor, at its discretion, can choose this disposal option or the Doe

Run recycle option, when both are available. When Doe Run is not currently capable or agreeable to accept the BMPR, this alternate disposal option shall be considered mandatory, and at no additional cost to the Commission.

2.0 Disposal in Landfill. In lieu of delivery to Doe Run for recycling, BMPR material shall be disposed in the appropriate type of approved landfill, as determined by Toxicity Characteristic Leaching Procedure (TCLP) testing. The material must be TCLP tested to determine if it contains a level of hazardous waste such that requires disposal in a hazardous waste landfill. A sampling plan for testing shall be submitted to MoDOT for review and concurrence. Sampling shall be performed by the contractor. MoDOT will witness the sampling to ensure it is conducted per the plan submitted.

2.1 The contractor shall submit the collected samples to a qualified third-party testing facility to perform TCLP testing. If the sample indicates that the BMPR material qualifies as hazardous waste, then the materials represented by that sample shall be delivered to a licensed hazardous waste landfill for disposal. The contractor shall be responsible for hiring a licensed hazardous waste transporter to transport the hazardous waste to the landfill. The contractor shall comply with all applicable laws and regulations for storage and shipping of the hazardous waste material. If the testing indicates that the BMPR material qualifies as a special waste, it shall be taken to a certified landfill for disposal. The contractor shall be responsible for the transportation of the special waste material to the certified landfill. The requirement to ship the BMPR material by barrels will be waived. Any alternate containers utilized shall comply with all applicable laws and regulations for shipping this type of special waste material. Copies of all shipping manifests, landfill disposal agreements, and any other legally required documentation shall be provided to the engineer.

3.0 Basis of Payment. No payment will be made for any costs associated with this landfill disposal option, including, but not limited to, sampling, testing, delivery, temporary storage, or disposal fees.

J. LINEAR GRADING

Description: Linear Grading for ADA Facilities, Class 1 shall consist of altering the existing roadside features to the required grade and cross sections shown in the plans (if applicable), or to comply with typical sections, running slopes, drop-off and side-slope standards, consistent with the guidelines set forth in the Americans with Disabilities Act (ADA). This work shall be in accordance with Sections 202 and 207 and accompanying provisions except as modified herein.

(a) In addition to the work described in 1.0, Linear Grading for ADA Facilities, Class 2 shall also include grading where it is necessary for the Contractor to furnish and transport embankment material that is not available within the project area.
(b) The class of Linear Grading for ADA Facilities designed on the plans will apply only to sections that have been specifically indicated as such on the plans and will not be subject to change unless approved by the Engineer.

Construction Requirements: The roadside shall be brought to the required grad and cross section as established in Section 1.0 of this provision, to a uniform appearance, free of sharp breaks or humps. Minor deviations will be allowed, to take advantage of favorable topography, as approved by the Engineer.

(a) The Contractor shall remove all existing roadside improvements necessary to facilitate the new sidewalk curb ramp construction, along with any other roadside removal items at, or adjacent to the pedestrian pathway, as noted in the plans or as approved by the Engineer. This shall include the removal and/or saw cutting at existing raised islands or median strips to construct the pedestrian pathway. The Contractor shall pay special care to existing utility facilities to be used in place or relocated by others.
(b) The Contractor shall be responsible for all excavation and embankment work necessary to facilitate construction of new ADA compliant facilities; normally consisting of subgrade and subsequent finished grading for sidewalks, curbs, curb ramps; and may include miscellaneous grading work for items such as ditches, entrances, paved approaches, driveways and pipes, at or adjacent to proposed new sidewalk facilities.
(c) By this provision, it may be necessary to excavate, stockpile, and haul some material within the project limits. Due to staging and/or Right-of-Way constraints, it may be necessary to dispose of unusable material off of Right-of-Way, and/or haul a replacement volume of material back to achieve the desired grades.

(d) All removals of Portland or Asphaltic Concrete performed under this provision will require saw-cutting a neat/clean edge along the removal lines at no direct pay, unless otherwise provided for in the contract.

Method of Measurement: Measurement of Linear Grading for ADA Facilities, Class 1 and Linear Grading for ADA Facilities, Class 2 will be made along the length of the new sidewalk and/or curb ramp installed, along each side of the roadway where sidewalk work is to be performed. Measurement will be made to the nearest 1-foot for each sidewalk work area, totaled, and paid to the nearest 1-foot for final pay. Final field measurement will not be required except where appreciable errors are found, or authorized changes have been made.

Basis of Payment: The accepted quantities of Linear Grading for ADA Facilities, Class 1 will be paid for at the contract unit price for item 207-99.03, Linear Grading for ADA Facilities, Class 1, per Linear Foot. The accepted quantities of Linear Grading for ADA Facilities, Class 2 will be paid at the contract unit price for item 207-99.03, Linear Grading for ADA Facilities, Class 2, per Linear Foot. Payment will be considered as full compensation for all labor, equipment, material, waste fees, disposal agreements, material acquisition, or other construction costs involved to complete the described work.

(a) No direct payment will be made for "REMOVAL OF IMPROVEMENTS" associated with the removal and disposal of sidewalks, curbs, curb ramps, entrances, and other incidentals required for construction of the new sidewalk and/or curb ramps.

K. ADA MATERIAL TESTING FREQUENCY MODIFICATIONS

Description: This provision revises the Inspection and Testing Plan (ITP) for the construction of ADA compliant features to better match the nature of the work. The Quality Control (QC) testing frequency for the Sections identified below are to be revised as specified.

Compaction Test on Base Rock Under Sidewalk, Curb Ramps and Paved Approaches: (Revises ITP Sec 302.3.4) The required test frequency will be one per 600 tons.

Gradation Test on Base Rock Under Sidewalk, Curb Ramps and Paved Approaches: (Revises ITP Sec 304.4.1) The required frequency will be one per 500 tons.

Concrete Plan Checklists: (Revises ITP Sec 501) Submittal of the 501 Concrete Plant Checklist will be once per week when the Contractor is only pouring curb, sidewalk, paved approaches, and curb ramps.

Concrete Median, Median Strip, Sidewalk, Curb Ramps, and Curb: (Revises ITP Sec 608) The required frequency will be the first truckload for the project and each 100 CUYDs for air and slump thereafter. Strength will be verified by use of cylinders or maturity meters at a minimum rate of one per 100 CUYD.

Paved Approaches: (ITP Sec 608) The required testing of one test from the first truckload per day and each 100 CUYDs for air and slump will remain per ITP. Strength will be verified by use of cylinders or maturity meters at a minimum rate of one per 100 CUYD.

Curb Concrete: (Revises ITP Sec 609) The required will be the same as Sec 5.0 above.

Basis of Payment: No direct payment will be made to the Contractor to fulfill the above requirements.

L. REMOVAL OF IMPROVEMENTS (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include full compensation for all labor, material and equipment needed to complete the work items and shall include, but not be limited to, all removal and off-site disposal of existing concrete and reinforcing steel; brush and trees; and other associated removal to prepare the site for the improvements, as indicated on the Drawings.

M. TRAFFIC CONTROL PROVISIONS

Work Zone Traffic Management shall be in accordance with appropriate portions of Division 100 and Division 600 of the Missouri Standard Specifications for Highway Construction, 2025 Edition, and specifically, as follows:

All signing and barricades shall conform to the current edition of the Manual on Traffic Control Devices published by the Federal Highway Administration, including any revisions thereto. Where Type III barricades are required, there shall be an 8-foot minimum rather than the 4-foot minimum shown in the Traffic Control Manual.

Traffic control devices shall be set up prior to the start of construction and construction shall not begin until the signing and barricading has been reviewed by the Engineer. All traffic control devices shall be properly maintained for the project duration. They shall remain in place only as long as they are needed and shall be removed immediately thereafter. When operations are performed in stages, there shall be in place only those devices that apply to the conditions present during the stage in progress.

Signs that do not apply to conditions present shall be removed, covered, or turned so as not to be readable by oncoming traffic. Contractor shall be responsible for providing and maintaining all traffic control devices and flag persons, as necessary, to protect the work area and safeguard and direct traffic around the work.

The traffic control provisions called for on the Traffic Control Plans are the minimum requirements for traffic control and the Contractor shall implement additional measures as deemed appropriate by the Engineer. Cost of all traffic control measures used, including but not limited to, flag persons, channelizer barrels, cones, barricades, flashers, and temporary striping requirements shall be subsidiary to the pay items:

CHANNELIZER (CONE) (EA)
TYPE 3 MOVEABLE BARRICADE (EA)
SH-FLAT SHEET (SF)

Upon failure of the Contractor to comply with any traffic control directive given by the Engineer, the Owner shall have the authority to cause said conditions to be corrected and to deduct the associated cost from any payment due, or which may become due, the Contractor.

The Contractor shall not begin a phase of the project that will detour or close the roadway to traffic until the Contractor has all materials necessary for that phase of the work delivered to the site or readily available to him, all necessary equipment and manpower readily available, and is prepared to perform the work with due diligence, so as not to impede traffic for an unnecessary amount of time.

The Contractor shall submit any variations or different concepts for the Traffic Control Plans to the Engineer in writing and drawing format. The variations will only be allowed if approved by the Engineer in writing. Failure to maintain the traffic management plan shall be grounds for the Engineer to issue a stop work order. No further work will be allowed on site until all requirements of the traffic management plan as shown in the plans are in place. The time that work is stopped will not be a basis for extension of the day count. The days for which work is stopped will count toward the days called for in the Contract.

N. MOBILIZATION (LUMP SUM)

1.0 Payment shall be at the lump sum bid price. This item shall consist of preparatory work operations, including but not limited to, those necessary for the movement of personnel, equipment, supplies and incidentals to the project site; for the establishment of all offices, buildings and other facilities necessary for work on the project except as provided in the Contract as separate pay items; and, for all other work and operations which must be performed or costs incurred prior to beginning work on the various items on the project site.

2.0 Partial Payment. Each partial payment will be 25 percent of the contract price for mobilization, or 2.5 percent of the original contract price, whichever is less. For purposes of this calculation, the original contract price will be construed as the total dollar value of all contract line items. The partial payments for mobilization will be paid incrementally as follows:

(a) The first partial payment will be made when five percent of the original contract amount is earned.
(b) The second partial payment will be made when ten percent of the original contract amount is earned.

(c) The third partial payment will be made when 25 percent of the original contract amount is earned.
(d) The fourth partial payment will be made when 50 percent of the original contract amount is earned.
(e) When the engineer has accepted the contract for maintenance is accordance with Sec. 105, any remaining amount will be paid.

O. CONTRACTOR SURVEYING AND STAKING (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include full compensation for all labor, material and equipment needed to complete the work items and shall include, but not be limited to, all surveying, construction staking, benchmark preservation; and other associated costs.

P. ELECTRICAL EQUIPMENT RACK (STRUT, POST, CONCRETE, FITTINGS, ETC.) (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include all unistrut, post, fittings, hardware, post sealant, concrete base, reinforcing steel, etc.

Q. GROUNDING SYSTEMS (RODS, CLAMPS, CONDUCTORS) (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include contractor furnishing and installation of the ground rods, conductors, terminations, and testing the rods for impedance.

R. DISTRIBUTION EQUIPTMENT CONDUIT/CONDUCTORS (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include all conduits and conductors shown on the one-line diagrams and all associated testing of those conductors.

S. CONDUIT BODIES AND FITTINGS FOR ELECTRICAL EQUIPTMENT (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include conduit bodies, junction boxes, and all components installed on the rack. Labeling of control circuits by the contractor. Coil and photocell and wiring to be furnished and installed by the contractor. Owner will terminate on the contractor with branch circuits and be responsible for labeling those conductors.

T. ABOVE-GRADE ELECTRICAL JUNCTION BOXES AND ENCLOSURES (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include conduit bodies, junction boxes, and all components installed on the rack. Labeling of control circuits by the contractor. Coil and photocell and wiring to be furnished and installed by the contractor. Owner will terminate on the contractor with branch circuits and be responsible for labeling those conductors.

U. LIGHTING CONDUITS (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include furnishing and installing conduits and shall be done by the contractor. This includes trenching, routing, layout, terminating conduits at equipment, sealing, labeling, etc. Conduits include all bodies, fittings, supports, hangers, strut, and other products for a complete raceway system to route conductors in. contractor shall provide pull strings in all raceways. Label all pull strings. Provide separate pull-strings for each raceway. Pull-string shall be rated for minimum 200 lb. tensile strength. Contractor shall pull a swab through each raceway to verify integrity of conduit after concealment and prior to owner pulling conductors. Fix or replace any damaged conduit.

V. POWER CONDUITS (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include furnishing and installing conduits and shall be

done by the contractor. This includes trenching, routing, layout, terminating conduits at equipment, sealing, labeling, etc. Conduits include all bodies, fittings, supports, hangers, strut, and other products for a complete raceway system to route conductors in. contractor shall provide pull strings in all raceways. Label all pull strings. Provide separate pull-strings for each raceway. Pull-string shall be rated for minimum 200 lb. tensile strength. Contractor shall pull a swab through each raceway to verify integrity of conduit after concealment and prior to owner pulling conductors. Fix or replace any damaged conduit.

W. IN-GRADE JUNCTION BOXES (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include furnishing and installing conduits and shall be done by the contractor. This includes trenching, routing, layout, terminating conduits at equipment, sealing, labeling, etc. Conduits include all bodies, fittings, supports, hangers, strut, and other products for a complete raceway system to route conductors in. contractor shall provide pull strings in all raceways. Label all pull strings. Provide separate pull-strings for each raceway. Pull-string shall be rated for minimum 200 lb. tensile strength. Contractor shall pull a swab through each raceway to verify integrity of conduit after concealment and prior to owner pulling conductors. Fix or replace any damaged conduit.

X. POLE LIGHT CONCRETE BASES (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include forming, concrete, reinforcing steel, and anchor bolts for lighting. Owner shall provide the lighting support templates and anchor bolts.

Y. BOLLARD CONCRETE BASES (LUMP SUM)

Payment shall be at the lump sum bid price. The payment shall include forming, concrete, reinforcing steel, and anchor bolts for lighting. Owner shall provide the lighting support templates and anchor bolts.

Z. REQUIRED COMBINATION OF CALLS

The following calls are in required combination of calls and bids shall be submitted for all calls. The bidder will be declared irregular if bids are not submitted for all calls listed below in accordance to Section 102.8 of the Missouri Standard Specifications for Highway Construction

CALL	JOB NUMBER
000000-000	TAP-9901(440)
000000-000	TAP-9901(443)

The combination of the total prices of the bids for all calls listed above will be used to determine the low bid. The first sentence of the Missouri Standard of Specification for Highway Construction Sections 102.12.3 is deleted for this contract. However, this does not affect the applicability of the remainder of that section to the work under the required combination of calls. A separate contract will be executed for each call listed above.

AA. RETAINAGE

Retaining of contractor payment is not to be automatically applied to projects as a matter of course. However, in accordance with the Missouri Prompt Pay Act (34.057 RSMo), the owner may withhold payment for any of the reasons outlined in RSMo 34.057, or as determined by the engineer.

BB. FINAL PAYMENT DOCUMENTS

1.0 Description: If the final payment documents are not completed and ready for final payment in accordance with Sec 109.8, within 60 calendar days of final acceptance of the project, the Contractor shall pay to the Contracting Authority the amount of $750.00 as liquidated damages and as a penalty for each Calendar Day until the final payment documents

FHWA 1273

REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS

I. General
II. Nondiscrimination
III. Non-segregated Facilities
IV. Davis-Bacon and Related Act Provisions
V. Contract Work Hours and Safety Standards Act Provisions
VI. Subletting or Assigning the Contract
VII. Safety: Accident Prevention
VIII. False Statements Concerning Highway Projects
IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
XI. Certification Regarding Use of Contract Funds for Lobbying
XII. Use of United States-Flag Vessels:

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding $10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal Employment Opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (*see* 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140, shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract. 23 CFR 230.409 (g)(4) & (5).

b. The contractor will accept as its operating policy the following statement:

> "It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, sexual orientation, gender identity, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action or are substantially involved in such action, will be made fully cognizant of and will implement the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action

within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurances Required:

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:
(1) Withholding monthly progress payments;
(2) Assessing sanctions;
(3) Liquidated damages; and/or
(4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than $10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 “Contract provisions and related matters” with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act (40 U.S.C. 3141(2)(B)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided,* That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH–1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in 29 CFR part 1, a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to *DBAconformance@dol.gov*. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to *DBAconformance@dol.gov*, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.* Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided,* That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph

2.a. of this section or Section V, paragraph 3.a., or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements* (1) *Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements* (1) *Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (*e.g.,* the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH–347 or in any other format desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division website at *https://www.dol.gov/sites/dolgov/files/WHD/legacy/files/wh347/.pdf* or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR part 3; and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH–347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

(5) *Signature.* The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification.* The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 3729.

(7) *Length of certified payroll retention.* The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents.* The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access* (1) *Required record disclosures and access to workers.* The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements.* If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under 29 CFR part 6 any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures.* Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices* (1) *Rate of pay.* Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits.* Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio.* The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates.* Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity.* The use of apprentices and journeyworkers under this part must be in conformity with

the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert FHWA-1273 in any subcontracts, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, 18 U.S.C. 1001.

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or 29 CFR part 1 or 3; or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or 29 CFR part 1 or 3.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or

mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* $31 as of January 15, 2023 (See 88 FR 88 FR 2210) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section IV paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term “perform work with its own organization” in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of $150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1**. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

* * * * *

3. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily

excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

* * * * *

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

XII. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, ‘on-board’ commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS (23 CFR 633, Subpart B, Appendix B)
This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

FEDERAL AID PROVISIONS

December 1980

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)

1. The Offeror's or Bidders attention is called to the "Equal Opportunity Clause" and the Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth therein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

3. Construction contractors which are participating in an approved Hometown Plan (see 41 CFR 60-4.5) are required to comply with the goals of the Hometown Plan with regard to construction work they perform in the area covered by the Hometown Plan. With regard to all their covered construction work, such contractors are required to comply with the following goals:

Goals for Female participation for each trade

AREA COVERED

Goals for women apply nationwide

GOALS AND TIMETABLES

Goals

Timetable	(Percent)
From April 1, 1978 until March 31, 1979	3.1
From April 1, 1979 until March 31, 1980	5.1
From April 1, 1980 until March 31, 1981	6.9

Goals for Minority Participation for Each Trade

County	Goal (Percent)	County	Goal (Percent)
Adair	4	Linn	4
Andrew	3.2	Livingston	10
Atchison	10	McDonald	2.3
Audrain	4	Macon	4
Barry	2.3	Madison	11.4
Barton	2.3	Maries	11.4
Bates	10	Marion	3.1
Benton	10	Mercer	10
Bollinger	11.4	Miller	4
Boone	6.3	Mississippi	11.4
Buchanan	3.2	Moniteau	4
Butler	11.4	Monroe	4
Caldwell	10	Montgomery	11.4
Callaway	4	Morgan	4
Camden	4	New Madrid	26.5
Cape Girardeau	11.4	Newton	2.3
Carroll	10	Nodaway	10

Carter	11.4	Oregon	2.3
Cass	12.7	Osage	4
Cedar	2.3	Ozark	2.3
Chariton	4	Pemiscot	26.5
Christian	2	Perry	11.4
Clark	3.4	Pettis	10
Clay	12.7	Phelps	11.4
Clinton	10	Pike	3.1
Cole	4	Platte	12.7
Cooper	4	Polk	2.3
Crawford	11.4	Pulaski	2.3
Dade	2.3	Putnam	4
Dallas	2.3	Ralls	3.1
Daviess	10	Randolph	4
DeKalb	10	Ray	12.7
Dent	11.4	Reynolds	11.4
Douglas	2.3	Ripley	11.4
Dunklin	26.5	St. Charles	14.7
Franklin	14.7	St. Clair	2.3
Gasconade	11.4	St. Francois	11.4
Gentry	10	Ste. Genevieve	11.4
Greene	2	St. Louis City	14.7
Grundy	10	St. Louis County	14.7
Harrison	10	Saline	10
Henry	10	Schuyler	4
Hickory	2.3	Scotland	4
Holt	10	Scott	11.4
Howard	4	Shannon	2.3
Howell	2.3	Shelby	4
Iron	11.4	Stoddard	11.4
Jackson	12.7	Stone	2.3
Jasper	2.3	Sullivan	4
Jefferson	14.7	Taney	2.3
Johnson	10	Texas	2.3
Knox	4	Vernon	2.3
Laclede	2.3	Warren	11.4
Lafayette	10	Washington	11.4
Lawrence	2.3	Wayne	11.4
Lewis	3.1	Webster	2.3
Lincoln	11.4	Worth	10
		Wright	2.3

These goals are applicable to all of the contractor's construction work (whether or not is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on Its Implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its effort to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority, or female employees or trainees from Contractor to Contractor or from project to project

for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

4. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

5. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" of the county, route and limits described in the proposal for the work.

July 1986

STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS (EXECUTIVE ORDER 11246

1. As used in these specifications:

   a. "Covered area" means the geographical area described in the solicitation which this contract resulted.

   b. "Director" mean Director, Office of Federal Contract Compliance Programs, United States Department of labor, or any person to who the Director delegates authority;

   c. "Employer Identification Number" means the Federal Social Security number used on the Employer's quarterly Federal Tax Return, U.S. Treasury Department Form 941;

   d. "Minority" includes;

      (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin):
      (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
      (iii) Asian and pacific islander (all persons having origins in any of the original peoples of the Far East, southeast Asia, the Indian Subcontinent, or the Pacific Islands; and
      (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North American and maintain identifiable affiliations through membership and participation or community identifications.

2. Whenever the Contractor, or any Subcontractor at any tier, subcontractors a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of $10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the Contract is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through the association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with the Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligation under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith

performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractors' failure to take good faith efforts to achieve the Plan goals and timetables.

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of these specifications. The goals set forth in the solicitation from which this contact resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered Construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with who the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.

6. In order for the nonworking training hours or apprentices and trainees to be counted in meeting the goal, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.

7. The contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be used its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:

    a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and all facilities at which the Contractor's employees are assigned to work. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

    b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

    c. Maintain a current file or the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred not employed by the contractor, this shall be documented in the file with the reason therefore, along with whatever additional actions the Contractor may have taken.

    d. Provide immediate written notification to the Director when the union or unions with which the Contractor has as collective bargaining agreement has not referred to the contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.

    e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant of the contractor's employment needs, especially those programs funded

or approved by the Department of Labor. The contractor shall provide notice of these programs to the sources complied under 7b above.

f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement by publicizing it in the company newspaper, annual report, etc., by specific review of the policy with all management personnel and with all minority and female employees at least one a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as superintendents, General foreman, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, person attending, subject matter discussed, and the disposition of the subject matter.

h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media and providing written notification to and discussing the contractor's EEO policy with other Contractors and Subcontractors with who the Contractor does or anticipates doing business.

i. Direct is a recruitment effort, both oral and written, to minority female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance or applicants for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and test to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer vacations employment to minority and female youth both on the site and in other areas or contractor's workforce.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc. such opportunities.

m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligation under these specifications are being carried out.

n. Ensure that all facilities and company activities are non-segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations or offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor association, joint contractor union, contractor community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling anyone or more of its obligations under 7a through 7p of these specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the executive order if a specific minority group of women is underutilized).

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contract pursuant to Executive Order 11246.

12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Direct shall proceed in accordance with 41 CFR 60-4.8.

14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status, (e.g. mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rat of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

15. Nothing herein provided shall be constructed as a limitation upon the application of other laws which establish different standard of compliance or upon the application of requirements for the hiring of local or other area residents (e.g. those under the Public Works Employment Action of 1977 and the Community Development Block Grant Program.

OPERATING POLICY STATEMENT

The contractor shall accept as his operating policy the following statement, or one of equal coverage, which is designed to further the provision of equal employment opportunity to all persons without regard to their race, color, religion,

sex, or national origin, and to promote the full realization of equal employment opportunity through a positive continuing program.

"It is the policy of this company to assure that applicants are employed, and that employees are treated during employment without regard to their race, religion, sex, color, or national origin. Such action shall include: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

SUPPLEMENTAL REPORTING REQUIREMENTS

A. The Contractor will keep such records as are necessary to determine compliance with the contractor's equal employment opportunity obligations. The records kept by the contractor will be designed to indicate the number of minority and non-minority group members and women employed in each work classification on the project.

B. All such records must be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the State Highway Agency and the Federal Highway Administration.

C. The contractor and each covered subcontractor will submit to the State Highway Agency, for the month of July, for the duration of the project, a report (Form PR-1391) "Federal-Aid Highway Construction Contractors Annual EEO Report", indicating the number of minority, women and non-minority group employees currently engaged in each work classification required by the contract work.

NONDISCRIMINATION IN EMPLOYMENT

July 1990

The following provisions are added by the State to the Required Contract Provisions of Federal-Aid Contracts.

The contractor is advised that the exemptions referred to in the Required Contract Provisions, Federal-Aid contracts under Section II, Nondiscrimination, Paragraph 3g, with respect to contracts and subcontracts, are substantial and are to be found in Chapter 60, Office of Federal Contract Compliance, Equal Employment Opportunity, Department of Labor (33 Federal Register 7804-7812, May 28, 1968, effective July 1, 1968, Chapter 60, Title 41, Code of Federal Regulations), by which contracts and subcontracts of $10,000 or less and certain contracts and subcontracts for indefinite quantities are exempt.

The two pertinent exemption clauses are as follows:

60-1.5 Exemptions

(a) General – (1) Transactions of $10,000 or under. Contracts and Subcontractors not exceeding $10,000, other than Government bills of lading, and other than contract and subcontracts with depositories of Federal funds in any amount and with financial institutions which are issuing and paying agents for U.S. savings bonds and savings notes, are exempt from the requirements of the equal opportunity clause. In determining the applicability of this exemption to any federally assisted construction contract, or subcontract thereunder, the amount of such contract or subcontract rather than the amount of the Federal financial assistance shall govern. No agency, contractor, or subcontractor shall procure supplies or services in a manner so as to avoid applicability of the equal opportunity clause: Provided, that where a contractor has contracts or subcontracts with the Government in any 12-month period which have an aggregate total value (or can reasonably be expected to have an aggregate total value) exceeding $10,000, the $10,000 or under exemption does not apply, and the contracts are subject to the order and the regulation issued pursuant thereto regardless of whether any single contracts exceeds $10,000.

APPLICABLE STATE WAGE RATES: Wage Order for Lafayette County

Missouri
Division of Labor Standards
WAGE AND HOUR SECTION

MIKE KEHOE, Governor

Annual Wage Order No. 32

Section 054
LAFAYETTE COUNTY

In accordance with Section 290.262 RSMo 2000, within thirty (30) days after a certified copy of this Annual Wage Order has been filed with the Secretary of State as indicated below, any person who may be affected by this Annual Wage Order may object by filing an objection in triplicate with the Labor and Industrial Relations Commission, P.O. Box 599, Jefferson City, MO 65102-0599. Such objections must set forth in writing the specific grounds of objection. Each objection shall certify that a copy has been furnished to the Division of Labor Standards, P.O. Box 449, Jefferson City, MO 65102-0449 pursuant to 8 CSR 20-5.010(1). A certified copy of the Annual Wage Order has been filed with the Secretary of State of Missouri.

Original Signed by
Logan Hobbs, Director
Division of Labor Standards

Filed With Secretary of State: **March 10, 2025**

Last Date Objections May Be Filed: **April 9, 2025**

Prepared by Missouri Department of Labor and Industrial Relations

Building Construction Rates for
LAFAYETTE County

Section 054

OCCUPATIONAL TITLE	**Prevailing Hourly Rate
Asbestos Worker	$25.56*
Boilermaker	$25.56*
Bricklayer-Stone Mason	$25.56*
Carpenter	$65.96
Lather	
Linoleum Layer	
Millwright	
Pile Driver	
Cement Mason	$25.56*
Plasterer	
Communication Technician	$25.56*
Electrician (Inside Wireman)	$74.67
Electrician Outside Lineman	$25.56*
Lineman Operator	
Lineman - Tree Trimmer	
Groundman	
Groundman - Tree Trimmer	
Elevator Constructor	$25.56*
Glazier	$25.56*
Ironworker	$78.77
Laborer	$50.77
General Laborer	
First Semi-Skilled	
Second Semi-Skilled	
Mason	$25.56*
Marble Mason	
Marble Finisher	
Terrazzo Worker	
Terrazzo Finisher	
Tile Setter	
Tile Finisher	
Operating Engineer	$25.56*
Group I	
Group II	
Group III	
Group III-A	
Group IV	
Group V	
Painter	$25.56*
Plumber	$83.90
Pipe Fitter	
Roofer	$25.56*
Sheet Metal Worker	$25.56*
Sprinkler Fitter	$25.56*
Truck Driver	$25.56*
Truck Control Service Driver	
Group I	
Group II	
Group III	
Group IV	

*The Division of Labor Standards received fewer than 1,000 reportable hours for this occupational title. The public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center.
**The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title as defined in RSMo Section 290.210.

Heavy Construction Rates for
LAFAYETTE County

Section 054

OCCUPATIONAL TITLE	**Prevailing Hourly Rate
Carpenter	$25.56*
Millwright	
Pile Driver	
Electrician (Outside Lineman)	$25.56*
Lineman Operator	
Lineman - Tree Trimmer	
Groundman	
Groundman - Tree Trimmer	
Laborer	$49.46
General Laborer	
Skilled Laborer	
Operating Engineer	$61.20
Group I	
Group II	
Group III	
Group IV	
Truck Driver	$25.56*
Truck Control Service Driver	
Group I	
Group II	
Group III	
Group IV	

Use Heavy Construction Rates on Highway and Heavy construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(3).

Use Building Construction Rates on Building construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(2).

If a worker is performing work on a heavy construction project within an occupational title that is not listed on the Heavy Construction Rate Sheet, use the rate for that occupational title as shown on the Building Construction Rate Sheet.

*The Division of Labor Standards received fewer than 1,000 reportable hours for this occupational title. Public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center.

**The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title.

OVERTIME
and
HOLIDAYS

OVERTIME

For all work performed on a Sunday or a holiday, not less than twice (2x) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work.

For all overtime work performed, not less than one and one-half (1½) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work or contractual obligation. For purposes of this subdivision, **"overtime work"** shall include work that exceeds ten hours in one day and work in excess of forty hours in one calendar week; and

A thirty-minute lunch period on each calendar day shall be allowed for each worker on a public works project, provided that such time shall not be considered as time worked.

HOLIDAYS

January first;
The last Monday in May;
July fourth;
The first Monday in September;
November eleventh;
The fourth Thursday in November; and
December twenty-fifth;

If any holiday falls on a Sunday, the following Monday shall be considered a holiday.

APPLICABLE FEDERAL WAGE RATES:

"General Decision Number: MO20250001 11/21/2025

Superseded General Decision Number: MO20240001

State: Missouri

Construction Types: Heavy and Highway

Counties: Missouri Statewide.

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at http://www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2025
1	01/31/2025
2	02/07/2025

3	02/21/2025
4	04/11/2025
5	05/16/2025
6	06/13/2025
7	07/18/2025
8	08/15/2025
9	08/29/2025
10	09/05/2025
11	11/21/2025

CARP0002-002 05/01/2024

ST. LOUIS COUNTY AND CITY

	Rates	Fringes
Carpenters	$ 41.71	21.85

CARP0005-006 05/01/2024

CASS (Richards-Gebauer AFB ONLY), CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Carpenters:		
CARPENTERS & LATHERS	$ 44.63	22.40
MILLWRIGHTS & PILEDRIVERS	$ 44.63	22.40

CARP0011-001 05/01/2024

	Rates	Fringes
Carpenter and Piledriver		
ADAIR, AUDRAIN (West of Hwy 19), BOONE, CALLAWAY, CHARITON, COLE, COOPER, HOWARD, KNOX,LINN, MACON, MILLER, MONITEAU,MONROE, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SHELBY AND SULLIVAN COUNTIES	$ 35.61	22.40
ATCHISON, ANDREW, BATES, CALDWELL, CARROLL,DAVIESS, DEKALB,GENTRY, GRUNDY, HARRISON, HENRY, HOLT, LIVINGSTON, MERCER, NODAWAY,ST. CLAIR, SALINE AND WORTH COUNTIES	$ 34.98	22.40
AUDRAIN (East of Hwy.19), RALLS, MARION, LEWIS, CLARK AND SCOTLAND COUNTIES	$ 35.61	22.40
BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY,JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES	$ 33.25	22.40
BENTON, MORGAN AND PETTIS	$ 34.98	22.40
BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MISSISSIPPI, NEW MADRID,		

PEMISCOT, PERRY, STE. GENEVIEVE, SCOTT, STODDARD AND WAYNE COUNTIES.....$ 35.37 22.40
BUCHANAN, CLINTON, JOHNSON AND LAFAYETTE COUNTIES.....$ 34.98 22.40
CARTER, HOWELL, OREGON AND RIPLEY COUNTIES.....$ 34.04 22.40
CRAWFORD, DENT, GASCONADE, IRON, MADISON, MARIES, MONTGOMERY, PHELPS, PULASKI, REYNOLDS, SHANNON AND TEXAS COUNTIES.....$ 35.37 22.40
FRANKLIN COUNTY.....$ 42.19 22.40
JEFFERSON AND ST. CHARLES COUNTIES.....$ 42.19 22.40
LINCOLN COUNTY.....$ 38.04 22.40
PIKE, ST. FRANCOIS AND WASHINGTON COUNTIES.....$ 36.13 22.40
WARREN COUNTY.....$ 38.04 22.40

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* ELEC0001-002 06/22/2025

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, FRANKLIN, IRON, JEFFERSON, LINCOLN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY,REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (City and County), STE. GENEVIEVE, SCOTT, STODDARD, WARREN, WASHINGTON AND WAYNE COUNTIES

	Rates	Fringes
Electricians	$ 49.29	33.642

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* ELEC0002-001 08/31/2025

ADAIR, AUDRAIN, BOONE, CALLAWAY, CAMDEN, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, FRANKLIN, GASCONADE, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCON, LINN, MACON, MARIES, MARION, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OREGON, OSAGE, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (City and County), STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHANNON, SHELBY, SULLIVAN, TEXAS, WARREN AND WASHINGTON COUNTIES

	Rates	Fringes
Line Construction:		
Equipment Operator	$ 49.68	36.5%+7.50
Groundman & Truck Driver	$ 37.95	36.5%+7.50
Lineman & Cable Splicer	$ 57.88	36.5%+7.50

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* ELEC0053-005 08/31/2025

ANDREW, ATCHINSON, BARRY, BARTON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CASS, CEDAR, CHRISTIAN, CLAY, CLINTON, DADE, DALLAS, DAVIES, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HENRY, HICKORY, HOLT, LAFAYETTE, JACKSON, JASPER, LACLEDE, LAWRENCE, LIVINGSTON, JOHNSON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, PETTIS, PLATTE, POLK, RAY, SALINE, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES

	Rates	Fringes

Line Construction:
Groundman Powderman.....$ 38.44 1.5%+20.18
Groundman.....$ 35.86 1.5%+25.34
Lineman Operator.....$ 52.45 1.5%+19.34
Lineman.....$ 58.15 1.5%+26.69

ELEC0095-001 06/01/2025

BARRY, BARTON, CEDAR, DADE, JASPER, LAWRENCE, MCDONALD, NEWTON, ST CLAIR, AND VERNON COUNTIES

	Rates	Fringes
Electricians:		
Cable Splicers	$ 25.40	12.19
Electricians	$ 32.25	20.81

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* ELEC0124-007 09/01/2025

BATES, BENTON, CARROLL, CASS, CLAY, COOPER, HENRY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY AND SALINE COUNTIES:

	Rates	Fringes
Electricians	$ 54.01	27.85

ELEC0257-003 03/01/2025

AUDRAIN (Except Cuivre Township), BOONE, CALLAWAY, CAMDEN, CHARITON, COLE, CRAWFORD, DENT, GASCONADE, HOWARD, MARIES, MILLER, MONITEAU, OSAGE, PHELPS AND RANDOLPH COUNTIES

	Rates	Fringes
Electricians:		
Cable Splicers	$ 30.42	16.085
Electricians	$ 40.50	23.26

ELEC0350-002 12/01/2024

ADAIR, AUDRAIN (East of Highway 19), CLARK, KNOX, LEWIS, LINN, MACON, MARION, MONROE, MONTGOMERY, PIKE, PUTNAM, RALLS, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES

	Rates	Fringes
Electricians	$ 37.60	22.145

ELEC0453-001 09/01/2024

	Rates	Fringes
Electricians:		
CHRISITAN, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, LACLEDE, OREGON, OZARK, POLK, SHANNON, WEBSTER and WRIGHT COUNTIES	$ 32.40	19.11
PULASKI and TEXAS COUNTIES	$ 39.70	19.84

STONE and TANEY COUNTIES....$ 28.65 18.34

ELEC0545-003 06/01/2025

ANDREW, BUCHANAN, CLINTON, DEKALB, ATCHISON, HOLT, MERCER, GENTRY, HARRISON, DAVIESS, GRUNDY, WORTH, LIVINGSTON, NODAWAY, AND CALDWELL COUNTIES

	Rates	Fringes
Electricians:.....	$ 43.20	21.50

ELEC0702-004 01/06/2025

BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE COUNTIES

	Rates	Fringes
Line Construction:		
Groundman - Class A.....	$ 38.18	29%+8.85
Groundman-Equipment Operator Class II (all other equipment).....	$ 46.49	29%+8.85
Heavy-Equipment Operator Class I (all crawler type equipment D-4 and larger)...	$ 52.13	29%+8.85
Lineman.....	$ 74.55	29%+8.85

ENGI0101-001 05/01/2025

AREA 1
ANDREW, ATCHISON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CHARITON, CLINTON, COOPER, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HENRY, HOLT, HOWARD, JOHNSON, LAFAYETTE, LINN, LIVINGSTON, MERCER, NODAWAY, PETTIS, SALINE, SULLIVAN AND WORTH COUNITES

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	$ 38.83	21.87
GROUP 2.....	$ 38.43	21.87
GROUP 3.....	$ 36.43	21.87

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt roller operator, finish; asphalt paver and spreader; asphalt plant operator; auto grader or trimmer or sub-grader; backhoe; blade operator (all types); boilers - 2; booster pump on dredge; bulldozer operator; boring machine (truck or crane mounted); clamshell operator; concrete mixer paver; concrete plant operator; concrete pump operator; crane operator; derrick or derrick trucks; ditching machine; dragline operator; dredge engineman; dredge operator; drill cat with compressor mounted (self-contained) or similar type self- propelled rotary drill (not air tract); drilling or boring machine (rotary-self-propelled); finishing machine operator; greaser; high loader-fork lift-skid loader (all types); hoisting engineer (2 active drums); locomotive operator

(standard guage); mechanics and welders (field and plants); mucking machine operator; pile drive operator; pitman crane or boom truck (all types); push cat; quad track; scraper operators (all types); shovel operator; sideboom cats; side discharge spreader; skimmer scoop operators; slip form paver operator (CMI, Rex, Gomeco or equal); la tourneau rooter (all tiller types); tow boat operator; truck crane; wood and log chippers (all types).

GROUP 2: A-frame truck operator; articulated dump truck; back filler operator; boilers (1); chip spreader; churn drill operator; compressor; concrete mixer operator, skip loader; concrete saws (self-propelled); conveyor operator; crusher operator; distributor operator; elevating grader operator; farm tractor (all attachments); fireman rig; float operator; form grade operator; hoisting engine (one drum); maintenance operator; multiple compactor; pavement breaker, self-propelled hydra-hammer (or similar type); paymill operator; power shield; pumps; roller operator (with or without blades); screening and washing plant; self-propelled street broom or sweeper; siphons and jets; straw blower; stump cutting machine; siphons and jets; tank car heater operator (combination boiler and booster); welding machine; vibrating machine operator (not hand held); welding machine.

GROUP 3: (a) Oiler;
(b) Oiiler driver
(c) Mechanic.

HOURLY PREMIUMS:
THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($ .25) ABOVE GROUP 1 RATE: Dragline operator - 3 yds. & over; shovel 3 yds. & over; clamshell 3 yds. & over; Crane, rigs or piledrivers, 100' of boom or over (incl. jib.), hoist - each additional active drum over 2 drums

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($ .50) ABOVE GROUP 1 RATE: Tandem scoop operator; crane, rigs or piledrivers 150' to 200' of boom (incl. jib.)

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($ .75) ABOVE GROUP 1 RATE: Crane rigs, or piledrivers 200 ft. of boom or over (including jib.)

ENGI0101-005 04/01/2025

CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 40.17	22.29
GROUP 2	$ 39.13	22.29
GROUP 3	$ 34.66	22.29
GROUP 4	$ 38.01	22.29

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt roller operator, finish; asphalt paver and spreader; asphalt plant operator; auto grader or trimmer or sub-grader; backhoe; blade operator (all types); boilers-2; booster pump on dredge; boring machine (truck or crane mounted); bulldozer operator; clamshell operator; concrete

cleaning decontamination machine operator; concrete mixer paver; concrete plant operator; concrete pump operator; crane operator; derrick or derrick trucks; ditching machine; dragline operator; dredge engineman; dredge operator; drillcat with compressor mounted (self-contained) or similar type self propelled rotary drill (not air tract); drilling or boring machine (rotary - self-propelled); finishing machine operator; greaser; heavy equipment robotics operator/mechanic; horizontal directional drill operator; horizontal directional drill locator; loader-forklift - skid loader (all types); hoisting engineer (2 active drums); locomotive operator (standard guage); master environmental maintenance mechanic; mechanics and welders (field and plants); mucking machine operator; piledrive operator; pitman crane or boom truck (all types); push cat; quad-track; scraper operators (all types); shovel operator; side discharge spreader; sideboom cats; skimmer scoop operator; slip-form paver (CMI, REX, Gomaco or equal); la tourneau rooter (all tiller types); tow boat operator; truck crane; ultra high perssure waterjet cutting tool system operator/mechanic; vacuum blasting machine operator/mechanic; wood and log chippers (all types)

GROUP 2: ""A"" Frame truck operator; back filler operator; boilers (1); chip spreader;churn drill operator; concrete mixer operator, skip loader; concrete saws (self-propelled); conveyor operator; crusher operator; distributor operator; elevating grader operator; farm tractor (all attachments); fireman rig; float operator; form grader operator; hoisting engine (1 drum); maintenance operator; multiple compactor; pavement breaker, self-propelled hydra- hammer (or similar type); power shield; paymill operator; pumps; siphons and jets; stump cutting machine; tank car heater operator (combination boiler and booster); compressor; roller operator (with or without blades); screening and washing plant; self-propelled street broom or sweeper; straw blower; tank car heater operator (combination boiler and booster); vibrating machine operator (not hand held)

GROUP 3: Oilers

GROUP 4: Oiler Driver (All Types)

FOOTNOTE:
HOURLY PREMIUMS FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($1.00) ABOVE GROUP 1 RATE:
Clamshells - 3 yd. capacity or over; Cranes or rigs, 80 ft. of boom or over (including jib); Draglines, 3 yd. capacity or over;
Piledrivers 80 ft. of boom or over (including jib);
Shovels & backhoes, 3 yd. capacity or over.

ENGI0101-022 05/01/2025

BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD

	Rates	Fringes

Power equipment operators:

GROUP 1	$ 36.60	19.32
GROUP 2	$ 36.25	19.32
GROUP 3	$ 36.05	19.32
GROUP 4	$ 34.00	19.32

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt finishing machine & trench widening spreader; asphalt plant console operator; autograder; automatic slipform paver; backhoe; blade operator - all types; boat operator - tow; boilers-2; central mix concrete plant operator; clamshell operator; concrete mixer paver; crane operator; derrick or derrick trucks; ditching machine; dozer operator; dragline operator; dredge booster pump; dredge engineman; dredge operator; drill cat with compressor mounted on cat; drilling or boring machine rotary self-propelled; highloader; hoisting engine - 2 active drums; launch hammer wheel; locomotive operator; - standard guage; mechanic and welders; mucking machine; off-road trucks; piledriver operator; pitman crane operator; push cat operator; quad trac; scoop operator - all types; shovel operator; sideboom cats; skimmer scoop operators; trenching machine operator; truck crane.

GROUP 2: A-frame; asphalt hot-mix silo; asphalt plant fireman (drum or boiler); asphalt plant man; asphalt plant man; asphalt plant mixer operator; asphalt roller operator; backfiller operator; barber-greene loader; boat operator (bridges and dams); chip spreader; concrete mixer operator - skip loader; concrete plant operator; concrete pump operator; crusher operator; dredge oiler; elevating grader operator; fork lift; greaser-fleet; hoisting engine - 1; locomotive operator - narrow gauge; multiple compactor; pavement breaker; powerbroom - self-propelled; power shield; rooter; side discharge concrete spreader; slip form finishing machine; stumpcutter machine; throttle man; tractor operator (over 50 h.p.); winch truck.

GROUP 3: Boilers - 1; chip spreader (front man); churn drill operator; clef plane operator; concrete saw operator (self-propelled); curb finishing machine; distributor operator; finishing machine operator; flex plane operator; float operator; form grader operator; pugmill operator; roller operator, other than high type asphalt; screening & washing plant operator; siphons & jets; sub-grading machine operator; spreader box operator, self-propelled (not asphalt); tank car heater operator (combination boiler & booster); tractor operator (50 h.p. or less); Ulmac, Ulric or similar spreader; vibrating machine operator, not hand;

GROUP 4: Grade checker; Oiler; Oiler-Driver

HOURLY PREMIUMS:

The following classifications shall receive $ .25 above GROUP 1 rate:
Clamshells - 3 yds. or over; Cranes - Rigs or Piledrivers, 100 ft. of boom or over (including jib);
Draglines - 3 yds. or over; Hoists - each additional active drum over 2 drums; Shovels - 3 yds. or over;

The following classifications shall receive $ .50 above GROUP 1 rate:
Tandem scoop operator; Cranes - Rigs or Piledrivers, 150 ft.

to 200 ft. of boom (including jib); Tandem scoop.

The following classifications shall receive $ .75 above GROUP 1 rate:
Cranes - Rigs or Piledrivers, 200 ft. of boom or over (including jib.).

ENGI0513-004 05/05/2025

FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 45.96	30.96
GROUP 2	$ 45.96	30.96
GROUP 3	$ 44.66	30.96
GROUP 4	$ 44.22	30.96

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Backhoe, Cable; Backhoe, Hydraulic (2 cu yds bucket and under regardless of attachment, one oiler for 2 or 3, two oilers for 4 through 6); Backhoe, Hydraulic over 2 cu yds; Cableway; Crane, Crawler or Truck; Crane, Hydraulic - Truck or Cruiser mounted, 16 tons and over; Crane, Locomotive; crane with boom including jib over 100 ft from pin to pin; Crane using rock socket tool; Derrick, Steam; Derrick Car and Derrick Boat; Dragline, 7 cu yds and over; Dredge; Gradall, Crawler or tire mounted; Locomotive, Gas, Steam & other powers; Pile Driver, Land or Floating; Scoop, Skimmer; Shovel, Power (Electric, Gas, Steam or other powers); Shovel, Power (7 cu yds and over); Switch Boat; Whirley; Air Tugger with air compressor; Anchor Placing Barge; Asphalt Spreaker; Athey Force Feeder Loader, self-propelled; Backfilling Machine; Boat Operator - Push Boat or Tow Boat (job site); Boiler, High Pressure Breaking in Period; Boom Truck, Placing or Erecting; Boring Machine, Footing Foundation; Bullfloat; Cherry Picker; Combination Concrete Hoist and Mixer (such as Mixermobile); Compressor, Two 125 CFM and under; Compressor, Two through Four over 125 CFM; Compressor when operator runs throttle; Concrete Breaker (Truck or Tractor mounted); Concrete Pump (such as Pumpcrete machine); Concrete Saw (self-propelled); Concrete Spreader; Conveyor, Large (not selfpropelled) hoisting or moving brick and concrete into, or into and on floor level, one or both; Crane, Cimbing (such as Linden); Crane, Hydraulic - Rough Terrain, self-propelled; Crane, Hydraulic - Truck or Cruiser mounted - under 16 tons; Drilling machine - Self-powered, used for earth or rock drilling or boring (wagon drills and any hand drills obtaining power from other souces including concrete breakers, jackhammers and Barco equipmnet no engineer required); Elevating Grader; Engine Man, Dredge; Excavator or Powerbelt Machine; Finishing Machine, self- propelled oscillating screed; Forklift; Generators, Two through Six 30 KW or over; Grader, Road with power blade; Greaser; Highlift; Hoist, Concrete and Brick (Brick cages or concrete skips operating or on tower, Towermobile, or similar equipment); Hoist, Three or more drums in use; Hoist, Stack; Hydro-Hammer; Lad-A-Vator, hoisting brick or concrete; Loading Machine such as Barber-Greene; Mechanic on job site

GROUP 2: Air Tugger with plant air; Boiler (for power or

heating shell of building or temporary enclosures in connection with construction work); Boiler, Temporary; Compressor, One over 125 CFM; Compressor, truck mounted; Conveyor, Large (not self- propelled); Conveyor, Large (not self- propelled) moving brick and concrete (distributing) on floor level; Curb Finishing Machine; Ditch Paving Machine; Elevator (outside); Endless Chain Hoist; Fireman (as required); Form Grader; Hoist, One Drum regardless of size (except brick or concrete); Lad-A-Vator, other hoisting; Manlift; Mixer, Asphalt, over 8 cu ft capacity; Mixer, one bag capacity or less; Mixer, without side loader, two bag capacity or more; Mixer, with side loader, regardless of size, not Paver; Mud Jack (where mud jack is used in conjenction with an air compressor, operator shall be paid $ .55 per hour in addition to his basic hourly rate for covering both operations); Pug Mill operator; Pump, Sump - self powered, automatic controlled over 2""; Scissor Lift (used for hoisting); Skid Steer Loader; Sweeper, Street; Tractor, small wheel type 50 HP and under with grader blade and similar equipment; Welding Machine, One over 400 amp; Winch, operating from truck

GROUP 3: Boat operator - outboard motor, job site; Conveyors (such as Con-Vay-It) regardless of how used; Elevator (inside); Heater operator, 2 through 6; Sweeper, Floor

GROUP 4: Crane type

HOURLY PREMIUMS:

Backhoe, Hydraulic 2 cu yds or less without oiler - $2.00;
Crane,climbing (such as Linden) - $.50;
Crane, Pile Driving and Extracting - $ .50
Crane with boom (including job) over
100 ft from pin to pin - add $.01 per foot
to maximum of $4.00);
Crane, using rock socket tool - $ .50;
Derrick, diesel, gas or electric hoisting material
and erecting steel (150 ft or more above ground) - $ .50;
Dragline, 7 cu yds and over - $ .50;
Hoist, Three or more drums in use - $ .50;
Scoop, Tandem - $.50;
Shovel, Power - 7 cu yds and over - $ .50;
Tractor, Tandem Crawler - $ .50;
Tunnel, man assigned to work in tunnel or
tunnel shaft - $ .50;
Wrecking, when machines are working on
second floor or higher - $ .50

ENGI0513-006 05/01/2025

ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAYNE COUNTIES

	Rates	Fringes
Power equipment operators:		

GROUP 1	$ 40.39	30.33
GROUP 2	$ 40.04	30.33
GROUP 3	$ 39.84	30.33
GROUP 4	$ 36.19	30.33

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt finishing machine & trench widening spreader, asphalt plant console operator; autograder; automatic slipform paver; back hoe; blade operator - all types; boat operator tow; boiler two; central mix concrete plant operator; clam shell operator; concrete mixer paver; crane operator; derrick or derrick trucks; ditching machine; dozer operator; dragline operator; dredge booster pump; dredge engineman; dredge operator; drill cat with compressor mounted on cat; drilling or boring machine rotary self-propelled; highloader; hoisting engine 2 active drums; launchhammer wheel; locomotive operator standrad guage; mechanics and welders; mucking machine; piledriver operator; pitman crane operator; push cat operator; guad-trac; scoop operator; sideboom cats; skimmer scoop operator; trenching machine operator; truck crane, shovel operator.

GROUP 2: A-Frame; asphalt hot-mix silo; asphalt roller operator asphalt plant fireman (drum or boiler); asphalt plant man; asphalt plant mixer operator; backfiller operator; barber-greene loader; boat operator (bridge & dams); chip spreader; concrete mixer operator skip loader; concrete plant operator; concrete pump operator; dredge oiler; elevating graded operator; fork lift; grease fleet; hoisting engine one; locomotive operator narrow guage; multiple compactor; pavement breaker; powerbroom self-propelled; power shield; rooter; slip-form finishing machine; stumpcutter machine; side discharge concrete spreader; throttleman; tractor operator (over 50 hp); winch truck; asphalt roller operator; crusher operator.

GROUP 3: Spreader box operator, self-propelled not asphalt; tractor operator (50 h.p. or less); boilers one; chip spreader (front man); churn drill operator; compressor over 105 CFM 2-3 pumps 4"" & over; 2-3 light plant 7.5 KWA or any combination thereof; clef plane operator; compressor maintenance operator 2 or 3; concrete saw operator (self-propelled); curb finishing mancine; distributor operator; finishing machine operator; flex plane operator; float operator; form grader operator; pugmill operator; riller operator other than high type asphalt; screening & washing plant operator; siphons & jets; subgrading machine operator; tank car heater (combination boiler & booster); ulmac, ulric or similar spreader; vibrating machine operator; hydrobroom.

GROUP 4: Oiler; grout machine; oiler driver; compressor over 105 CFM one; conveyor operator one; maintenance operator; pump 4"" & over one.

FOOTNOTE: HOURLY PREMIUMS

Backhoe hydraulic, 2 cu. yds. or under Without oiler - $2.00
Certified Crane Operator - $1.50;
Certified Hazardous Material Operator $1.50;
Crane, climbing (such as Linden) - $0.50;
Crane, pile driving and extracting - $0.50;
Crane, with boom (including jib) over 100' from pin to pin

add $0.01 per foot to maximum of $4.00;
Crane, using rock socket tool - $0.50;
Derrick, diesel, gas or electric, hoisting material and erecting steel (150' or more above the ground) - $0.50;
Dragline, 7 cu. yds, and over - $0.50;
Hoist, three or more drums in use - $0.50; Scoop, Tandem - $0.50;
Shovel, power - 7 cu. yds. or more - $0.50;
Tractor, tandem crawler - $0.50;
Tunnel, man assigned to work in tunnel or tunnel shaft - $0.50;
Wrecking, when machine is working on second floor or higher - $0.50;

ENGI0513-007 05/05/2025

ST. LOUIS CITY AND COUNTY

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 45.96	30.96
GROUP 2	$ 45.96	30.96
GROUP 3	$ 44.66	30.96
GROUP 4	$ 44.22	30.96

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Backhoe, cable or hydraulic; cableway; crane crawler or truck; crane, hydraulic-truck or cruiser mounted 16 tons & over; crane locomotive; derrick, steam; derrick car & derrick boat; dragline; dredge; gradall, crawler or tire mounted; locomotive, gas, steam & other powers; pile driver, land or floating; scoop, skimmer; shovel, power (steam, gas, electric or other powers); switch boat; whirley.

GROUP 2: Air tugger w/air compressor; anchor-placing barge; asphalt spreader; athey force feeder loader (self-propelled); backfilling machine; backhoe-loader; boat operator-push boat or tow boat (job site); boiler, high pressure breaking in period; boom truck, placing or erecting; boring machine, footing foundation; bull- float; cherry picker; combination concrete hoist & mixer (such as mixer mobile); compressor (when operator runs throttle); concrete breaker (truck or tractor mounted); concrete pump, such as pump-crete machine; concrete saw (self-propelled), concrete spreader; conveyor, large (not self-propelled), hoisting or moving brick and concrete into, or into and on floor level, one or both; crane, hydraulic-rough terrain, self-propelled; crane hydraulic-truck or cruiser mounted-under 16 tons; drilling machines, self-powered use for earth or rock drilling or boring (wagon drills nd any hand drills obtaining power from other sources including concrete breakers, jackhammers and barco equipment-no engineer required); elevating grader; engineman, dredge; excavator or powerbelt machine; finishing machine, self-propelled oscillating screed; forklift; grader, road with power blade; highlift. greaser; hoist, stack, hydro-hammer; loading machine (such as barber-greene); machanic, on job site; mixer, pipe wrapping machines; plant asphalt; plant, concrete producing or ready-mix job site; plant heating-job site; plant mixing-job site; plant power, generating-job site; pumps, two through six self-powered

over 2""; pumps, electric submersible, two through six, over 4""; quad-track; roller, asphalt, top or sub-grade; scoop, tractor drawn; spreader box; sub-grader; tie tamper; tractor-crawler, or wheel type with or without power unit, power take-offs and attachments regardless of size; trenching machine; tunnel boring machine; vibrating machine automatic, automatic propelled; welding machines (gasoline or diesel) two through six; well drilling machine

GROUP 3: Conveyor, large (not self-propelled); conveyor, large (not self-propelled) moving brick and concrete distributing) on floor level; mixer two or more mixers of one bag capacity or less; air tugger w/plant air; boiler, for power or heating on construction projects; boiler, temporary; compressor (mounted on truck; curb finishing machine; ditch paving machine; elevator; endless chain hoist; form grader; hoist, one drum regardless of size; lad-a-vator; manlift; mixer, asphalt, over 8 cu. ft. capacity, without side loader, 2 bag capacity or more; mixer, with side loader, regardless of size; pug mill operator; pump, sump-self-powered, automatic controlled over 2"" during use in connection with construction work; sweeper, street; welding machine, one over 400 amp.; winch operating from truck; scissor lift (used for hoisting); tractor, small wheel type 50 h.p. & under with grader blade & similar equipment; Oiler on dredge and on truck crane.

GROUP 4: Boat operator-outboard motor (job site); conveyor (such as con-vay-it) regardless of how used; sweeper, floor

HOURLY PREMIUMS:

Backhoe, hydraulic 2 cu. yds. or under without oiler	$2.00
Certified Crane Operator	1.50
Certified Hazardous Material Operator	1.50
Crane, climbing (such as Linden)	.50
Crane, pile driving and extracting	.50
Crane, with boom (including jib) over 100' (from pin to pin) add $.01 per foot to maximum of	4.00
Crane, using rock socket tool	.50
Derrick, diesel, gas or electric, hoisting material and erecting steel (150' or more above ground)	.50
Dragline, 7 cu. yds. and over	.50
Hoist, three (3) or more drums in use	.50
Scoop, Tandem	.50
Shovel, power - 7 cu. yds. or more	.50
Tractor, tandem crawler	.50
Tunnel, man assigned to work in tunnel or tunnel shaft	.50
Wrecking, when machine is working on second floor or higher	.50

IRON0010-012 04/01/2025

	Rates	Fringes
Ironworkers: ANDREW, BARTON, BENTON, CAMDEN, CEDAR, CHARITON, CHRISTIAN, COOPER, DADE, DALLAS, DAVIESS, DE KALB, GENTRY, GREENE, GRUNDY,		

HARRISON, HICKORY, HOLT,
HOWARD, LACLEDE, LINN,
LIVINGSTON, MERCER,
MONITEAU, MORGAN, NODAWAY,
PETTIS, POLK, PUTNAM,
RANDLOPH, ST. CLAIR,
SULLIVAN, TANEY, VERNON,
WEBSTER, WRIGHT and WORTH
Counties and portions of
ADAIR, BOONE, MACON,
MILLER and RANDOLPH
Counties.....$ 36.00 34.25
ATCHISON, BATES, BUCHANAN,
CALDWELL, CARROLL, CASS,
CLAY, CLINTON, HENRY,
JACKSON, JOHNSON,
LAFAYETTE, PETTIS, PLATTE,
SALINE, AND RAY COUNTIES....$ 39.00 34.25

IRON0010-020 04/01/2025

BARRY, JASPER, LAWRENCE, MCDONALD, NEWTON AND STONE Counties

	Rates	Fringes
Ironworkers:.....	$ 36.00	34.25

IRON0321-002 08/01/2023

DOUGLAS, HOWELL and OZARK COUNTIES

	Rates	Fringes
Ironworker.....	$ 27.00	20.96

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* IRON0396-004 08/06/2025

ST. LOUIS (City and County), ST. CHARLES, JEFFERSON, IRON, FRANKLIN, LINCOLN, WARREN, WASHINGTON, ST. FRANCOIS, STE. GENEVIEVE, and REYNOLDS Counties; and portions of MADISON, PERRY, BOLLINGER, WAYNE, and CARTER Counties

	Rates	Fringes
Ironworker.....	$ 44.27	31.65

IRON0396-009 08/07/2024

AUDRAIN, CALLAWAY, COLE, CRAWFORD, DENT, GASCONADE, MARIES, MONTGOMERY, OSAGE, PHELPS, PIKE, PULASKI, TEXAS and WRIGHT Counties; and portions of BOONE, CAMDEN, DOUGLAS, HOWELL, LACLEDE, MILLER, MONROE, OREGON, SHANNON and RALLS Counties

	Rates	Fringes
Ironworker.....	$ 41.67	31.25

IRON0577-005 06/01/2024

ADAIR, CLARK, KNOX, LEWIS, MACON, MARION, MONROE, RALLS, SCHUYLER, SCOTLAND, AND SHELBY COUNTIES

	Rates	Fringes
Ironworker	$ 34.05	25.30

IRON0782-003 08/01/2023

CAPE GIRARDEAU, MISSISSIPPI, NEW MADRID, SCOTT, & STODDARD Counties; and portions of BOLLINGER, BUTLER, CARTER, DUNKLIN, MADISON, PEMISCOT, PERRY, RIPLEY, and WAYNE Counties

	Rates	Fringes
Ironworkers:		
Locks, Dams, Bridges and other major work on the Mississippi and Ohio River only	$ 38.77	29.51
All Other Work	$ 33.47	24.12

LABO0042-003 06/04/2025

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Plumber Laborer	$ 40.82	17.56

LABO0042-005 06/04/2025

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Dynamiter, Powderman	$ 40.82	17.56
Laborers, Flaggers	$ 40.82	17.56
Wrecking	$ 40.82	17.56

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* LABO0110-005 05/01/2025

Jefferson and Washington Counties

	Rates	Fringes
LABORER (Jefferson County)		
GROUP 1	$ 40.36	15.96
GROUP 2	$ 40.36	15.96
LABORER (Washington County)		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man; material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage

pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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LABO0579-005 05/01/2023

	Rates	Fringes
LABORER (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HOLT, LIVINGSTON, MERCER, NODAWAY and WORTH COUNTIES.)		
GROUP 1	$ 29.04	16.59
GROUP 2	$ 29.39	16.59
LABORER (BARRY, BARTON, BATES, BENTON, CAMDEN, CARROLL, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HENRY. HICKORY, JASPER, JOHNSON, LACLEDE, LAWRENCE, MCDONALD, MORGAN, NEWTON, OZARK, PETTIS, POLK, ST.CLAIR, SALINE, STONE, TANEY, VERNON, WEBSTER and WRIGHT COUNTIES)		
GROUP 1	$ 28.23	15.60
GROUP 2	$ 28.78	15.60
LABORER (LAFAYETTE COUNTY)		
GROUP 1	$ 29.78	15.85
GROUP 2	$ 30.13	15.85

LABORERS CLASSIFICATIONS

GROUP 1: General Laborers - Carpenter tenders; salamander tenders; loading trucks under bins; hoppers & conveyors; track men & all other general laborers; air tool operator; cement handler-bulk or sack; dump man on earth fill; georgie buggie man; material batch hopper man; material mixer man (except on manholes); coffer dams; riprap pavers - rock, block or brick; signal man; scaffolds over ten feet not self-supported from ground up; skipman on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoline, oil drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator, all work in connection with hydraulic or general dredging operations; puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material or materials (where special protection is required); rubbing concrete; topper of standing trees; batter board man on pipe and ditch work; feeder man on wood pulverizers; board and willow mat weavers and cable tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 feet where compressed air is not used; abutment and pier hole men working six (6) feet or more below ground; men working in coffer dams for bridge piers and footings in the river; ditchliners; pressure groutmen; caulker; chain or concrete saw; cliffscalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground; mortarmen on brick or block manholes; toxic and hazardous waste work.

GROUP 2: Skilled Laborers - Head pipe layer on sewer work; laser beam man; Jackson or any other similar tamp; cutting torch man; form setters; liners and stringline men on concrete paving, curb, gutters; hot mastic kettleman; hot tar applicator; sandblasting and gunite nozzlemen; air tool operator in tunnels; screed man on asphalt machine; asphalt raker; barco tamper; churn drills; air track drills and all similar drills; vibrator man; stringline man for electronic grade control; manhole builders-brick or block; dynamite and powder men; grade checker.

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* LABO0660-004 05/01/2025

Clark, Knox, Lewis, Marion, Pike, Ralls, Scotland, Shelby Counties

	Rates	Fringes
LABORER		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man; material batch hopper man; spreader on asphalt machine;

material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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LABO0660-006 06/02/2025

Lincoln, Montgomery, St Charles and Warren Counties

	Rates	Fringes
LABORER (Common or General)	$ 36.91	15.62
Lincoln, Monntomery, and Warrner Counties	$ 39.76	15.96
St. Charles County	$ 41.18	15.96

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* LABO0662-001 05/01/2025

Callaway, Cole, Miller and Moniteau Counties

	Rates	Fringes
LABORER		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man; material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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LABO0663-002 04/01/2025

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
LABORER		
GROUP 1	$ 36.24	15.87
GROUP 2	$ 37.45	15.87

LABORERS CLASSIFICATIONS

GROUP 1: General laborers, Carpenter tenders, salamander tenders, loading trucks under bins, hoppers and conveyors, track men and all other general laborers, air tool operator, cement handler (bulk or sack), chain or concrete saw, deck hands, dump man on earth fill, Georgie Buggies man, material batch hopper man, scale man, material mixer

man (except on manholes), coffer dams, abutments and pier hole men working below ground, riprap pavers rock, black or brick, signal man, scaffolds over ten feet not self-supported from ground up, skipman on concrete paving, wire mesh setters on concrete paving, all work in connection with sewer,water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipelines, power tool operator, all work in connection with hydraulic or general dredging operations, straw blower nozzleman,asphalt plant platform man, chuck tender, crusher feeder, men handling creosote ties on creosote materials, men working with and handling epoxy material or materials (where special protection is required), topper of standing trees, batter board man on pipe and ditch work, feeder man on wood pulverizers, board and willow mat weavers and cable tiers on river work, deck hands, pile dike and revetment work, all laborers working on underground tunnels less than 25 feet where compressed air is not used, abutment and pier hole men working six (6) feet or more below ground, men working in coffer dams for bridge piers and footings in the river, ditchliners, pressure groutmen, caulker and chain or concrete saw, cliffscalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground, mortarmen on brick or block manholes, signal man.

GROUP 2: Skilled Laborer - spreader or screed man on asphalt machine, asphalt raker, grade checker, vibrator man, concrete saw over 5 hp., laser beam man, barco tamper, jackson or any other similar tamp, wagon driller, churn drills, air track drills and other similar drills, cutting torch man, form setters, liners and stringline men on concrete paving, curb, gutters and etc., hot mastic kettleman, hot tar applicator, hand blade operators, mortar men on brick or block manholes, sand blasting and gunnite nozzle men, rubbing concrete, air tool operator in tunnels, head pipe layer on sewer work, manhole builder (brick or block), dynamite and powder men.

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* LABO0840-011 05/01/2025

Crawford, Dent, Franklin, Gasconade, Howell, Maries, Oregon, Osage, Phelps, Pulaski, Shannon and Texas Counties

	Rates	Fringes
LABORER (Crawford, Dent, Gasconade, Howell, Maries, Oregon, Osage, Phelps, Pulaski, Shannon and Texas Counties)		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96
LABORER (Franklin County)		
GROUP 1	$ 40.31	15.96
GROUP 2	$ 40.31	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man;

material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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* LABO0955-012 05/01/2025

Adair, Audrain, Boone, Chariton, Cooper, Howard, Linn, Macon, Monroe, Putnam, Randolph, Schuyler and Sullivan Counties

	Rates	Fringes
LABORER		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man; material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete

paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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* LABO1104-005 05/01/2025

Bollinger, Butler, Cape Girardeau, Carter, Dunklin, Iron, Madison, Mississippi, New Madrid, Pemiscot, Perry, Reynolds, Ripley, Scott, St Francois, Ste Genevieve, Stoddard and Wayne Counties

	Rates	Fringes
LABORER		
GROUP 1	$ 37.25	15.96
GROUP 2	$ 37.25	15.96

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man; material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage

pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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PAIN0002-002 09/01/2007

CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES

	Rates	Fringes
Painters:		
Brush and Roller; Taper	$ 28.61	10.24
High work over 60 feet	$ 29.11	10.24
Lead Abatement	$ 29.36	10.24
Pressure Roller; High work under 60 ft	$ 28.86	10.24
Spray & Abrasive Blasting; Water Blasting (Over 5000 PSI)	$ 30.61	10.24
Taper (Ames Tools & Bazooka)	$ 30.21	10.24

PAIN0002-006 04/01/2023

ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES and the City of Booneville.

	Rates	Fringes
Painters:		
Bridges, Dams, Locks or Powerhouses	$ 28.49	15.03
Brush and Roll; Taping, Paperhanging	$ 26.49	15.03
Epoxy or Any Two Part Coating; Sandblasting; Stage or other Aerial Work - Platforms over 50 feet high; Lead Abatement	$ 27.49	15.03
Spray; Structural Steel (over 50 feet)	$ 27.49	15.03
Tapers using Ames or Comparable Tools	$ 27.24	15.03

PAIN0003-004 04/01/2019

CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES

	Rates	Fringes
Painters:		
Bridgeman; Lead Abatement; Sandblast; Storage Bin & Tanks	$ 33.41	17.76
Brush & Roller	$ 30.54	17.76
Drywall	$ 31.74	17.76
Paper Hanger	$ 31.04	17.76
Stageman; Beltman; Steelman; Elevator Shaft; Bazooka, Boxes and Power Sander; Sprayman; Dipping	$ 32.41	17.76
Steeplejack	$ 36.98	17.76

PAIN0003-011 04/01/2019

BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES

	Rates	Fringes
Painters:		
Bridgeman; Lead Abatement; Sandblast; Storage Bin & Tanks	$ 26.73	17.76
Brush & Roller	$ 24.43	17.76
Drywall	$ 25.39	17.76
Paper Hanger	$ 24.83	17.76
Stageman; Beltman; Steelman; Elevator Shaft; Bazooka, Boxes and Power Sander; Sprayman; Dipping	$ 26.35	17.76
Steeplejack	$ 29.58	17.76

PAIN1185-008 04/01/2025

CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES

	Rates	Fringes
Painters:		
Brush and Roller	$ 33.90	17.21
Floor Work	$ 34.90	17.21
Lead Abatement	$ 33.25	17.21
Spray	$ 34.90	17.21
Structural Steel, Sandblasting and All Tank Work	$ 35.90	17.21
Taping, Paperhanging	$ 34.90	17.21

PAIN1292-002 09/01/2024

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, SHANNON, STODDARD and WAYNE COUNTIES

	Rates	Fringes
Painters:		
Bridges, Stacks & Tanks	$ 35.30	17.65
Brush & Roller	$ 29.80	17.65
Spray & Abrasive Blasting; Waterblasting (over 5000 PSI)	$ 31.80	17.65

Height Rates (All Areas):
Over 60 ft. $0.50 per hour.
Under 60 ft. $0.25 per hour.

PAIN1292-003 09/01/2024

IRON, MADISON, ST. FRANCOIS, STE. GENEVIEVE and WASHINGTON COUNTIES

	Rates	Fringes
Painters:		
Bridges, Stacks & Tanks	$ 35.30	17.65
Brush & Roller	$ 30.95	17.65
Spray & Abrasive Blasting; Waterblasting (Over 5000 PSI)	$ 32.95	17.65

Height Rates (All Areas):
0ver 60 ft. $0.50 per hour
Under 60 ft. $0.25 per hour.

PAIN2012-001 04/01/2025

ANDREW, ATCHISON, BUCHANAN, DE KALB, GENTRY, HOLT, NODAWAY & WORTH COUNTIES

	Rates	Fringes
Painters:		
Brush & Roller	$ 36.18	19.97

Sandblaster	$ 40.76	19.97
Steeplejack	$ 44.33	19.97

PAIN2015-001 04/01/2012

BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, and WRIGHT COUNTIES

	Rates	Fringes
Painters:		
Finisher	$ 20.18	11.33
Painter	$ 19.75	11.76
Sandblaster, High Man, Spray Man, Vinyl Hanger, Tool Operator	$ 21.18	11.33

PLAS0518-006 03/01/2025

BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, AND WRIGHT COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 30.37	12.43

PLAS0518-007 04/01/2025

CASS (Richards-Gebaur AFB only), CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Cement Masons:	$ 39.06	18.71

PLAS0518-011 04/01/2025

ANDREW, ATCHISON, BATES, BUCHANNAN, CLINTON, DEKALB, GENTRY, HENRY, HOLT, JOHNSON, LAFAYETTE, NODAWAY & WORTH COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 40.13	20.50

PLAS0518-019 03/01/2025

Adair, Audrain, Benton, Boone, Callaway, Caldwell, Camden, Carroll, Chariton, Cole, Cooper, Daviess, Gasconade, Grundy, Harrison, Howard, Linn, Livingston, Macon, Maries, Mercer, Miller, Moniteau, Monroe, Montgomery, Morgan, Osage, Pettis, Putnam, Randolph, Saline, Schuyler, Shelby and Sullivan Counties

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 33.52	15.88

PLAS0527-001 04/01/2023

	Rates	Fringes
CEMENT MASON		
FRANKLIN, LINCOLN AND WARREN COUNTIES	$ 37.29	20.23
JEFFERSON, ST. CHARLES COUNTIES AND ST.LOUIS (City and County)	$ 38.46	20.13

PLAS0527-004 06/01/2023

CRAWFORD, DENT, IRON, MADISON, MARION, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SHANNON, TEXAS, WASHINGTON COUNTIES

	Rates	Fringes
CEMENT MASON	$ 32.00	19.72

PLAS0908-001 05/01/2025

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, HOWELL, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, RIPLEY, SCOTT, STODDARD, AND WAYNE COUNTIES

	Rates	Fringes
CEMENT MASON	$ 35.10	18.78

PLUM0008-003 06/01/2024

CASS, CLAY, JACKSON, JOHNSON, AND PLATTE COUNTIES

	Rates	Fringes
Plumbers	$ 56.63	24.54

PLUM0008-017 06/01/2024

BATES, BENTON, CARROLL, HENRY, LAFAYETTE, MORGAN, PETTIS, RAY, ST. CLAIR, SALINE AND VERNON COUNTIES

	Rates	Fringes
Plumbers	$ 56.63	24.54

PLUM0045-003 08/01/2024

ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, HARRISON, HOLT, NODAWAY AND WORTH COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 47.45	26.15

PLUM0178-003 11/01/2024

BARRY, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, LACLEDE, LAWRENCE, POLK, STONE, TANEY, WEBSTER AND

WRIGHT COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 39.35	15.72

PLUM0178-006 11/01/2022

BARTON, JASPER, MCDONALD AND NEWTON COUNTIES

	Rates	Fringes
Plumbers and Pipefitters		
Projects $750,000 & under	$ 32.78	15.32
Projects over $750,000	$ 35.75	15.32

PLUM0533-004 06/01/2024

BATES, BENTON, CARROLL, CASS, CLAY, HENRY, HICKORY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY, SALINE, ST. CLAIR AND VERNON COUNTIES

	Rates	Fringes
Pipefitters	$ 55.56	25.80

PLUM0562-004 07/01/2023

ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY,CAMDEN, CAPE GIRARDEAU,CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, DUNKLIN, FRANKLIN, GASCONADE, GRUNDY, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCOLN, LINN, LIVINGSTON, MACON, MADISON, MARIES, MARION, MERCER, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, NEW MADRID, OREGON, OSAGE, PEMISCOTT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST.FRANCOIS, STE. GENEVIEVE, ST. LOUIS, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, SULLIVAN, TEXAS, WARREN, WASHINGTON,AND WAYNE COUNTIES.

	Rates	Fringes
Plumbers and Pipefitters		
Mechanical Contracts including all piping and temperature control work $7.0 million & under	$ 46.66	21.99
Mechanical Contracts including all piping and temperature control work over $7.0 million	$ 46.66	21.99

PLUM0562-016 07/01/2023

CAMDEN, COLE, CRAWFORD, FRANKLIN, JEFFERSON, MARIES, MILLER, MONITEAU, OSAGE, PHELPS, PULASKI, ST. CHARLES, ST. LOUIS (City and County), WARREN and WASHINGTON COUNTIES

	Rates	Fringes
Plumbers		
Mechanical Contracts		

including all piping and temperature control work $7.0 million & under.....$ 46.66 21.99

Mechanical Contracts including all piping and temperature control work over $7.0 million.....$ 46.66 21.99

TEAM0013-001 05/01/2025

	Rates	Fringes
Truck drivers (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES)		
GROUP 1	$ 35.84	15.85
GROUP 2	$ 35.99	15.85
GROUP 3	$ 36.11	15.85
GROUP 4	$ 35.74	15.85
Truck drivers (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES)		
GROUP 1	$ 36.57	15.85
GROUP 2	$ 36.72	15.85
GROUP 3	$ 36.84	15.85
GROUP 4	$ 36.73	15.85
Truck drivers (FRANKLIN, JEFFERSON and ST. CHARLES COUNTIES)		
GROUP 1	$ 38.93	15.85
GROUP 2	$ 39.08	15.85
GROUP 3	$ 39.15	15.85
GROUP 4	$ 39.04	15.85
Truck drivers (LINCOLN and WARREN COUNTIES)		
GROUP 1	$ 37.58	15.85
GROUP 2	$ 38.73	15.85
GROUP 3	$ 37.80	15.85
GROUP 4	$ 37.69	15.85

TRUCK DRIVERS CLASSIFICATIONS:

GROUP 1: Flat Bed Trucks, Single Axle; Station Wagons; Pickup Trucks; Material Trucks, Single Axle; Tank Wagon, Single Axle

GROUP 2: Agitator and Transit Mix Trucks

GROUP 3: Flat Bed Trucks, Tandem Axle; Articulated Dump Trucks; Material Trucks, Tandem Axle; Tank Wagon, Tandem Axle

GROUP 4: Semi and/or Pole Trailers; Winch, Fork & Steel Trucks; Distributor Drivers and Operators; Tank Wagon, Semi-Trailer; Insley Wagons, Dumpsters, Half-Tracks, Speedace, Euclids and other similar equipment; A-Frame and Derrick Trucks; Float or Low Boy

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TEAM0056-001 05/01/2025

	Rates	Fringes
Truck drivers (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICHKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)		
GROUP 1	$ 36.27	15.85
GROUP 2	$ 36.43	15.85
GROUP 3	$ 36.42	15.85
GROUP 4	$ 36.54	15.85
Truck drivers: (ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES)		
GROUP 1	$ 35.54	15.85
GROUP 2	$ 35.70	15.85
GROUP 3	$ 35.69	15.85
GROUP 4	$ 35.81	15.85
Truck drivers; (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES)		
GROUP 1	$ 35.93	15.75
GROUP 2	$ 36.04	15.75
GROUP 3	$ 36.08	15.75
GROUP 4	$ 36.08	15.75

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Flat bed trucks single axle; station wagons; pickup trucks; material trucks single axle; tank wagons single axle.

GROUP 2: Agitator and transit mix-trucks.

GROUP 3: Flat bed trucks tandem axle; articulated dump trucks; material trucks tandem axle; tank wagons tandem axle.

GROUP 4: Semi and/or pole trailers; winch, fork & steel trucks; distributor drivers & operators; tank wagons semi-trailer; insley wagons, dumpsters, half-tracks, speedace, euclids & other similar equipment; A-frames and derrick trucks; float or low boy.

TEAM0245-001 03/26/2012

BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DALLAS, DENT, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LACLEDE, LAWRENCE, MCDONALD, MILLER, NEWTON, OZARK, PHELPS, POLK, PULASKI, SHANNON, STONE, TANEY, TEXAS, VERNON, WEBSTER AND WRIGHT COUNTIES

	Rates	Fringes
Truck drivers:		
Traffic Control Service Driver	$ 20.45	0.00

PAID HOLIDAYS: New Year's Day, Decoration Day, July 4th, Labor Day, Thanksgiving Day, Christmas Day, employee's birthday and 2 personal days.

TEAM0541-001 04/01/2025

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 38.61	15.85
GROUP 2	$ 38.04	15.85
GROUP 3	$ 37.52	15.85

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Mechanics and Welders, Field; A-Frame Low Boy-Boom ruck Driver.

GROUP 2: Articulated Dump Truck; Insley Wagons: Dump Trucks, Excavating, 5 cu yds and over; Dumpsters; Half-Tracks: Speedace: Euclids & similar excavating equipment Material trucks, Tandem Two teams; Semi-Trailers; Winch trucks-Fork trucks; Distributor Drivers and Operators; Agitator and Transit Mix; Tank Wagon Drivers, Tandem or Semi; One Team; Station Wagons; Pickup Trucks; Material Trucks, Single Axle; Tank Wagon Drivers, Single Axle

GROUP 3: Oilers and Greasers - Field

TEAM0682-002 05/01/2025

ST LOUIS CITY AND COUNTY

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 37.83	9.85+a+b+c
GROUP 2	$ 37.83	9.85+a+b+c
GROUP 3	$ 37.83	9.85+a+b+c

a. PENSION: 5/1/2012 - $182.20 per week.

b. HAZMAT PREMIUM: If Hazmat certification on a job site is required by a state or federal agency or requested by project owner or by the employer, employees on that job site shall receive $1.50 premium pay.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - Pick-up trucks; forklift, single axle; flatbed trucks; job site ambulance, and trucks or trailers of a water level capacity of 11.99 cu. yds. or less

GROUP 2 - Trucks or trailers of a water level capacity of 12.0 cu yds. up to 22.0 cu yds. including euclids, speedace and similar equipment of same capacity and compressors

GROUP 3 - Trucks or trailers of a water level capacity of 22.0 cu. yds & over including euclids, speedace & all floats, flatbed trailers, boom trucks, winch trucks, including small trailers, farm wagons tilt-top trailers, field offices, tool trailers, concrete pumps, concrete conveyors & gasoline tank trailers and truck mounted mobile concrete mixers

FOOTNOTE FOR TRUCK DRIVERS:

c. PAID HOLIDAYS: Christmas Day, Independence Day, Labor Day, Memorial Day, Veterans Day, New Years Day, Thanksgiving Day

d. PAID VACATION: 3 days paid vacation for 600 hours of service in any one contract year; 4 days paid vacation for 800 hours of service in any one contract year; 5 days paid vacation for 1,000 hours of service in any one contract year. When such an employee has completed 3 years of continuous employment with the same employer and then works the above required number of hours, he shall receive double the number of days of vacation specified above. When such an employee has completed 10 years of continuous employment with the same employer and then works the above required number of hours, he shall receive triple the number of days of vacation specified above. When such an employee has completed 15 years of continuous employment with the same employer and then works the above required number of hours, he shall receive 4 times the number of days of vacation specified above.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO

is available at
https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates
in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007

6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

a) a survey underlying a wage determination
b) an existing published wage determination
c) an initial WHD letter setting forth a position on a wage determination matter
d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

ENVIRONMENTAL AND CULTURAL PERMITS AND CLEARANCES

Local Public Agency (LPA)
Certification of Plans, Specifications & Estimate (PS&E)

For Federal-aid project TAP-9901(443) administered by Shawna Davis the undersigned hereby certifies the following, to the best of his or her knowledge and belief, on behalf of:

1. The undersigned is hereby certifying that the Specifications (including technical specifications and job special provisions) and Standard Plans for the above mentioned project are in full compliance with all applicable Federal and State Laws, including but not limited to 23 CFR.

2. The undersigned will also carry out this project in accordance with applicable Federal and State policies and guidelines as set forth in *Missouri's Local Public Agency Manual* found on MoDOT's website.

3. The undersigned will also enforce compliance with the above mentioned laws, regulations, policies and guidelines by its consultants, contractors, and subcontractors.

4. The undersigned is hereby certifying that above mentioned project has been developed according to: (check all that apply)

   ☒ Missouri Standard Specifications for Highway Construction, current edition

   ☒ Missouri Standard Plans for Highway Construction, current edition

   ☐ Other (list out all that apply):

   _____

   _____

   _____

SIGNED:

_____ 08/19/2024

Signature of LPA Responsible Person in Charge *Date*

Shawna Davis

Typed Name of LPA Responsible Person in Charge

City Administrator

Title of LPA Responsible Person in Charge

Date: August, 16 2024

To: District Liaison Engineer, Design
MoDOT

SUBJECT: Mason Street Historic Downtown District Improvements
Job No. TAP 9900(443)
City of Odessa, Missouri
Railroad - Letter of Certification

LETTER OF CERTIFICATION
RAILROAD "STATUS"

This project is scheduled to be let in Summer 2024. Scope of work: The City of Lathrop intends to replace old sidewalks to connect to activity centers and existing faculties throughout the town, including schools, other businesses, and residential areas, while also providing a bicycle route. This Lathrop Sidewalk Improvements is important to connect the few very important areas together to allow the citizens travel safely along the highway. Furthermore, the project would extend our ADA sidewalks into the north end of town and would allow citizens needing access to areas of foods and safety.The railroad status is as follows:

There are no railroads within the limits of this project, therefore, the railroad is clear for construction of this project.

Based on the above information, railroad work will not impact the contractor's progress for this project. We recommend approval of the PS&E on this project.

LPA Person in Responsible Charge Signature

Fig 136.9.6

Date: August, 16 2024

To: District Liaison Engineer, Design
MoDOT

SUBJECT: Mason Street Historic Downtown District Improvements
Job No. TAP 9900(443)
City of Odessa, Missouri
Utility - Letter of Certification

LETTER OF CERTIFICATION
UTILITIES "STATUS"

This project is scheduled to be let in Summer 2024. Scope of work: The City of Odessa intends to replace old sidewalks to connect to activity centers and existing faculties throughout the town, government buildings, other businesses, and residential areas. This Odessa Sidewalk Improvements is important to connect the few very important areas together to allow the citizens travel safely along the busy downtown area.The utility status is as follows:

All utilities needing to be relocated have been moved prior to construction beginning.

Based on the above information, utility work will not impact the road contractor's progress for this project. We recommend approval of the PS&E on this project.

LPA Person in Responsible Charge Signature

Fig 136.9.6

RIGHT OF WAY CLEARANCE CERTIFICATION STATEMENT

DATE: 9-25-2024

TO: Brenda Harris, Central Office Right Way

FROM: Shawna Davis, City Administrator, City of Odessa

SUBJECT: Each certification must contain the following:
Right of Way Clearance Certification

7-30-2024 Date of NEPA Clearance
Entire Project Entire Project or Partial Clearance
City of Odessa Name of Sponsor
Mason Street Road or Project Name
TAP-9901(443) Federal Project Number
Sta.50+14.24 to Sta.58+80.40 Termini (station numbers) of the Entire Right of Way Project
Sta.50+14.24 to Sta.58+80.40 Termini (station numbers) of the Portion of Project Being Cleared

The above referenced city/county certifies the following: (Make all of the statements depending upon type of acquisitions involved for project.)

___X___ A. Right of Way Required - No Personal Property Moved - No Relocation Assistance Required
1. We certify that all necessary right of way, easements and access rights have been acquired in accordance with the Titles 49 and 23 CFR.
2. Legal and physical possession of all parcels has been obtained.
3. The steps relative to relocation advisory assistance and payments were not required.

_____ B. Right of Way Required - Personal Property Moved - No Occupied Improvements Acquired
1. We certify that all necessary right of way, easements and access rights have been acquired in accordance with Titles 49 and 23 CFR.
2. Legal and physical possession of all parcels has been obtained.
3. Steps relative to relocation advisory assistance and payments as required by 49 CFR, Part 24 have been taken (personal property moved only).

_____ C. Right of Way Required - Personal Property Moved - Occupied Improvements Acquired (If C applies or is checked, please fill out form 136.8.8a.

1. We certify that all necessary right of way, easements and access rights have been acquired in accordance with Titles 49 and 23 CFR.
2. Legal and physical possession of all parcels has been obtained.
3. Steps relative to relocation advisory assistance and payments as required by 49 CFR, Part 24 have been taken.
4. All individuals and families have been relocated to or offered equivalent decent, safe and sanitary housing in accordance with 49 CFR, Part 24.

Parcel Acquisition Detail:

A. __10__Parcels on this project that required the acquisition of right of way, easements and/or access rights. (A=B+C)

B. _____ Parcels acquired by negotiation (B=1+2+3)
   1. _____ Parcels that were acquired by condemnation.
   2. _____ Parcels settled administratively for an amount other than the approved offer.
   3. _____ Parcels acquired for offer amount.

C. __10__ Parcels acquired by donation.

D. _____ Parcels that were appraised and subsequently voided and not acquired.
E. _____ Parcels that were deleted from the project, if any.
(Please attach a written explanation as to why these parcels were deleted from the project)

Responsibility of Parcel Acquisition:
(A=F+G+H)
F. _____ Parcels that were acquired by MoDOT personnel.
G. __10__ Parcels that were acquired by Local Public Agency personnel.
H. _____ Parcels that were acquired by Contract Negotiator(s) on the MoDOT Roster.

Expenditure Detail

There was $__0.00___ spent on total Acquisition of land, realty rights, and improvements.
(Please do not include incidental expenses in this figure)

The LPA Oversight Consultant will review the parcel acquisition files and submit this certification to Central Office Right of Way for final approval.

_____ 9-25-2024

Shawna Davis, City Administrator Date

This RER has been completed, only administrators may edit this document now, they will contact you if any information changes.

Date Completed: 07/30/2024
Completed By: Holly Cantrell

Request for Environmental Review Form#:2024-12-00179

☐ Alternative Project Delivery Method (such as Design/Build)

Project Information

Prefix:	TAP	Project Number:	9901443	Bridge Number:	
District:	Kansas City	County:	LAFAYETTE	Sponsor:	City of Odessa
				Sponsor Email:	shawna.davis@city
TIP Number:		Rte/Street:	Mason Street		
MoDOT Job Number:		TIGER Grant Funds:		Is this project on or adjacent to MoDOT Right of Way:	Yes
Location/Stream Crossing :	NONE				
TMS Project Description - termini (no stations):	CITY OF ODESSA IN LAFAYETTE COUNTY, MASON ST. DOWNTOWN DISTRICT IMPROVEMENTS 3RD ST. TO 1ST ST.				
Describe RER project improvements in full detail:	Sidewalk and paving replacement of Downtown District.				
District Liaison:	Sarah Long - 816-607-2068			Contact:	None selected
Email:	Sarah.Long@modot.mo.gov			Email:	
Contact:	Sarah Long - 816-607-2068			Contact:	None selected
Email:	Sarah.Long@modot.mo.gov			Email:	
Date Desired:	01/19/2024			Submit Date:	12/20/2023
Desired A-Date:	03/01/2024				
Responsible Individual:	Kurt Mester - (12/20/2023 2:48:47 PM) - 816-777-0400			Submitted By:	Kurt Mester - (12/20/2023 12:00:00 AM) - 816-777-0400

Existing Condition

ADT:	51	Speed Limit:	30
Number of Travel Lanes:	2	Lane Width:	12
Shoulder Width:	0	Curb and Gutter:	Yes
Bridge width, measured from guttlerline to gutterline:	N/A	Sidewalks:	Both

Proposed Design Improvement

ADT:	70	Speed Limit:	25	Design Speed:	30
Number of Travel Lanes:	2			Lane Width:	12
Shoulder Width:	0			Curb and Gutter:	Yes
Bridge width, measured from gutterline to gutterline:	N/A			Sidewalks:	Both

Bridge Length:	N/A	Roadway length:	887
Railroad Crossing	Choose One...	Drainage District (If Applicable):	Kansas City

Program Year:

Preliminary Engineering:	2023	Right of Way:	2023
Construction:	2024		

Has the sponsor documented that the project has: 1. Independent utility, 2. Logical termini, and 3. Does not restrict consideration of alternatives for other reasonably foreseeable transportation improvements?: (●) Yes ( ) No

☐ Project breakout from previous or larger project? *If checked explain:*

Acres - From all sources (e.g. donated from public or private entities):

Additional R/W (acres):	0	**Temp Easement (acres):**	0.03	**Permanent Easement (acres):**	0

ROW may be needed, but, not yet determined? No

Is ANY Federally-owned land impacted by the project? ( ) Yes (●) No

Land Disturbance:

Will project involve 1 acre or more: No

Acres of Tree Clearing: 0 acres

DO NOT CLEAR TREES W/O MODOT'S PRIOR WRITTEN APPROVAL.

Number of Displacements(do not include partial takes that do not displace):

Residential:	( ) Yes (●) No		Commercial:	( ) Yes (●) No	
No. of People:		Residences:	No. of Employees:		Businesses:

Any Public Involvement planned or completed:

Acquisition of 5 or less properties and under 20 acres are not considered "substantial" and the County isn't currently planning formal public involvement. The two property owners directly affected by the project will each have individual donation/acquisition meetings with the County, and by all accounts in the past have been vocally in favor of the County putting a new bridge at this location.

Average Daily Traffic:

ADT Construction Year:	2024	ADT Design Year:	2041

Traffic Impacts:

Road Closure Planned:	○ Yes ◉ No	Bridge Closure Planned:	○ Yes ◉ No
Days/Months Closed:	120	Detour > 25 mi rural (including local roads)	○ Yes ◉ No
		Detour > 5 mi urban (including local roads, census defined urban)	○ Yes ◉ No
Detour Info:	N/A		

Bicycle / Pedestrian Consideration

Pedestrian facilities considered:	Yes	Bicycle facilities considered:	No

National Flood Insurance Program (NFIP) and Hydraulic Design Data:

☐ Project involves land purchased through FEMA Hazard Mitigation Grant Program (Flood buyout property)

If checked, give details:

Is ANY construction taking place on MoDOT owned property under this project?

◉ Yes ○ No

☐ Is highway improvement located within 4 miles of an existing airport?

Known Concerns: Provide information you have about these resources that you have observed in the area.

Parkland:	N/A
Wetland/404 Permit:	No wetlands are anticipated to be impacted.
Land Disturbance / Stormwater:	Street is at the top of a hill, no storm drainage on the project.
Farmland:	No farmland impacted.
Threatened & Endangered Species:	None apparent on 7-25-23 site visit. No trees present in downtown area, no trees being felled for project.
Migratory Birds: Are there birds nesting on the structure?	No birds' nests visible in the downtown are on 7-25-23 site visit.
Hazardous Waste:	None apparent, sidewalk and pavement being removed, no structures.
Cultural Resources:	No Impacts apparent. No Historic structures on Mason Street.
LPA Comments:	

Project Attachments:

NOTE: If making updates to an attachment, please use a different filename than the original.
The combined size of attachments in one upload must be less than 100MB

Attachments:

- ✖005-LF-24 2106 nhpa.pdf
- ✖Review & Compliance Information Form Resubmittal.pdf
- ✖Review & Compliance Information Form.pdf
- ✖CRIR Form Signed 6.17.24.pdf
- ✖240463.40 Odessa Mason Street Downtown District Improvements Report.pdf
- ✖TAP-9901(443) Odessa Mo Mason St - Section 106 - Entrance Photos With Addresses.pdf
- ✖NEW - T&E Species List_ Missouri Ecological Services Field Office.pdf
- ✖NEW - T&E- NE Documentation Letter_ FHWA_ FRA_ FTA Programmatic Consultation for Transportation Projects affecting NLEB or Indiana Bat.pdf
- ✖TAP-9901(440) Odessa Downtown 2nd & Mason St Preliminary Plans Rev.1.pdf
- ✖TAP-9901(443) Odessa Mo - Threatened & Endangered Species Report.pdf
- ✖TAP-9901(443) Odessa Mo - Section 106 Packet.pdf
- ✖TAP-9901(443) Odessa Mo - Socioeconomic Impact Public Meeting Packet.pdf
- ✖ MO_Odessa_South_20171011_TM_geo.pdf
- ✖ MO_Odessa_North_20171013_TM_geo.pdf
- ✖106 FORM.pdf
- ✖Odessa-Historic Map.pdf
- ✖Odessa-Photographs.pdf
- ✖MDC.pdf
- ✖LOCATION MAP.pdf
- ✖Firmette.pdf
- ✖2023, 12-19 Preliminary Plan.pdf

Required Information to be attached for each RER stage:

- *Location map (county map, topographic map or aerial map) showing the project limits*
- *plan sheets*
- *KMZ files showing tree clearing limits and/or plans*
- *permits/documentation as required (floodplain, farmland form, NWP, asbestos & lead based paint inspection reports, Section 106 Project Information Form for review, SHPO concurrence letter, USFWS IPac Official Species List, MDC Heritage Review Report, Effects determination)*

RER Environmental Screenings

Farmland Impact

Status Information: Clearance Date:

(●) N/A ( ) Pending ( ) Cleared

Environmental Response: The project is in a designated urbanized area as indicated on the U.S. Census Bureau Urban Area Reference Map. Therefore, the project is not subject to the Farmland Protection Policy Act.

LPA Action:

Attachments:

☑ Farmland Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Holly Cantrell - 12/21/2023 12:34:29 PM

Floodplain/Regulatory Floodway

Status Information: Clearance Date:

(●) N/A ( ) Pending ( ) Cleared

Environmental Response: According to the attached FEMA floodplain map, the project is not located in the 100-year floodplain or the regulatory floodway. The project is not subject to floodplain permitting requirements.

LPA Action: None.

Attachments:

✖29107C0355C.png

✖FEMA Firmette RER 2024-12-00179.pdf

☑ Floodplain/Regulatory Floodway Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Cassie Baumgartner - 12/21/2023 9:53:23 AM

Land Disturbance / Stormwater

Status Information: Clearance Date:

(●) N/A ( ) Possible Issues Noted

Environmental Response: If the project is in a regulated MS4 area, adhere to the MS4 requirements as defined in the MS4 permit specific to that municipality. Stormwater routed into MoDOT's drainage system (e.g., ditches and stormwater conveyance systems) must be treated for water quality and/or quantity before entering the system. Any project with land disturbance of 1-acre or more requires a NDPES land disturbance permit from MDNR.

LPA Action: If the project will disturb 1-acre or more of land, obtain a NPDES land disturbance permit from DNR. The LPA must also implement best management practices in accordance with that permit and the Clean Water Act.

Attachments:

☑ Land Disturbance / Stormwater Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Cassie Baumgartner - 12/21/2023 9:46:14 AM

FEMA/SEMA Buyout

Status Information: ○ N/A ○ Pending ◉ Cleared

Clearance Date: 12/21/2023

Environmental Response: According to the ArcMap GIS FEMA buyout layer, there are no flood buyout properties in the vicinity of the project. The project will not result in development on any FEMA buyout properties.

LPA Action: None.

Attachments:

☑ FEMA/SEMA Buyout Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Cassie Baumgartner - 12/21/2023 9:54:07 AM

Socioeconomic Impact

Status Information: ○ N/A ○ Pending ◉ Cleared

Clearance Date: 02/27/2024

Environmental Response: UPDATE 2/27/24: Based on email correspondence dated 2/22/24, the City held a public meeting to pass the ordinance nominating the sidewalk committee and took public comment during that meeting on 11-8-21. The City has always referenced both phases of the project TAP-9901(440) 2nd St and TAP-9901(443) Mason St together when having these meetings. The Sidewalk Committee then held two larger Downtown Stakeholder meetings, that were also open to all downtown property owners, businesses/employees and the area economic development members, on 1-5-22 and again on 5-18-22, these were attended by about 20-30 people. Attached is the TAP-9901(443) Mason St layout map that was presented at the 2nd Downtown Stakeholder meeting. UPDATE 2/22/24: A resolution regarding general improvements to the City of Odessa downtown district was approved 11/8/2021 and has been uploaded to the RER along with documentation illustrating the types of improvements proposed. The Environmental specialist has emailed the sponsor as of 2/22/24 seeking confirmation as to whether this resolution and documentation is specific to the improvements proposed in this RER and whether the public was engaged in the resolution effort. INTITIAL SCREENING: The project does not require commercial or residential displacements; however, the project does require new temporary easements that are subject to the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended. Road closures and detours will not be necessary during construction. Based on a review of EJSCREEN, no minority (people of color), low-income, or limited English Proficiency (LEP) populations were identified within the project area. There are no significant socioeconomic impacts associated with this project. Impacts will be temporary and limited to traffic disruptions, construction noise, and fugitive dust and emissions in the area of project construction. Public involvement has not yet been planned.

LPA Action: 1. Conduct the acquisition of affected properties in accordance with the procedures established in the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended. 2. Provide sufficient public notice of construction work and traffic management plans consistent with MoDOT's and local public involvement policies and procedures. 3. Public involvement is required for all MoDOT projects. Provide information on how the public will be notified of the proposed project. Once the planned public engagement has occurred, please upload documentation of that engagement and include any meeting minutes and any materials presented on this project, as well as any sign-in sheets, any comments received, and any responses to those comments.

Attachments:

✖2024.02.27 Scroll Plot presented at 2nd Downtown Mtg..pdf

☑ Socioeconomic Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Holly Cantrell - 2/27/2024 3:13:30 PM

Threatened & Endangered Species

Status Information: ○ No Effect ○ Pending ◉ Cleared

Clearance Date: 02/19/2024

Environmental Response: 2/19/2024 UDPATE: MoDOT has completed the T&E species review for the City of Odessa 2nd Street Historic Downtown District Improvements on Mason Street (TAP-9901433) in Lafayette County, Missouri. A copy of the effects determination document is uploaded to the TE section of the RER. USFWS IPaC lists the following species for the project area: Gray bat, Indiana bat, northern long-eared bat, and tricolored bat (proposed endangered). There are no critical habitats located within the project limits. The USFWS IPaC lists the following species for the project area: Gray bat, Indiana bat, northern long-eared bat, and tricolored bat (proposed endangered). There are no critical habitats located within the project limits. The consultant had not yet received the MDC follow-up report at the time this effects determination was completed. In lieu of the follow-up report, the MoDOT contractor reviewed the NHD for known occurrences of state-listed species and species of conservation concern within 1.0 mile of the project; and there were no known occurrences within 1.0 mile of the project. Based on this information, no impacts to state-listed species or species of conservation concern are anticipated as a result of the project. The project will not impact any known caves/structures nor requires tree clearing. As the designated non-federal representative of FHWA for USFWS Section 7 ESA requirements, MoDOT has determined the project will have No Effect on the gray bat, Indiana bat, and northern long-eared bat and will not jeopardize the continued existence of the tricolored bat, however, a re-evaluation of project impacts to the tricolored bat will be required if the project is not completed prior to the final rule is being published. At that time, MoDOT will make an effects determination for this species. This completes the TE requirements for the project. 1/31/2024 UPDATE: The consultant provided a T&E memo which included an IPaC Official Species List with and effects determination for each species. At this time, all requested items have been received. MoDOT will prepare an effects determination memo. MoDOT may reach out with follow up questions throughout this process. INITIAL SCREENING: Impacts to threatened and endangered species must be assessed for this project. The RER indicates tree clearing is not anticipated. The MDC Natural Heritage Review Level 2 initial Report and preliminary plans were uploaded.

LPA Action: ACTIONS COMPLETED 1. Access the MO Department of Conservation (MDC) online Natural Heritage Review website at https://naturalheritagereview.mdc.mo.gov/ and generate a report. Contact MDC if the report indicates to do so. Submit the report, and MDC response, if required, to MoDOT. 2. Provide the amount, location, and time of year for tree clearing, or indicate there will be no tree clearing. (No tree clearing) 3. If there will be tree clearing, photograph the trees so that bark characteristics of the main truck and large branches, along with any cavities, are clearly illustrated. (No tree clearing) 4. If the project involves bridgework, photograph the undersides of bridges illustrating any bird nests or unusual staining on the substructure or underside of the deck. (No structures impacted) 5. Access the US Fish and Wildlife Service (USFWS) IPAC online tool at http://ecos.fws.gov/ipac/ to obtain the official list of species for your county. 6. It is the responsibility of the LPA to make a written determination of their project impacts on each species listed from the IPaC. Further, the LPA must assess effects on any MDC listed species (endangered or species of conservation concern). If no effects are anticipated for a particular species, state the reason(s) why. For example: This project does not involve any tree clearing so there will be no effects on summer roosting habitat for listed bat species or this project does not impact any aquatic habitats so there will be no effects on listed fish or mussel species. 7. Submit the full project limits, easements, access, construction date, and ground disturbance information.

Attachments:

- ✖TE Complete -No Effect TAP-9901443 City of Odessa 2nd Street Historic Downtown District Improvements on Mason Street.msg
- ✖TAP-9901443_MoDOT-Effects-Determination_Lafayette-Co_City-of-Odessa-2nd-St-Historic-Downtown-District-Improvements-Mason-St_FINAL.pdf

☑ Threatened & Endangered Species Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Cassie Baumgartner - 2/19/2024 11:43:58 AM

Migratory Birds

Status Information: Clearance Date:

(•) N/A ( ) Pending ( ) Cleared

Environmental Response: According to the RER submission the project will not impact bridges or other structures. Based on this information, there are no concerns related to migratory birds and no conflicts with the MBTA.

LPA Action: None.

Attachments:

☑ Migratory Birds Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Cassie Baumgartner - 12/21/2023 9:47:03 AM

Hazardous Waste Impact

Status Information: Clearance Date:

(•) N/A ( ) Pending ( ) Cleared

Environmental Response: According to the attached DNR E-START map, there are two Regulated Petroleum and Hazardous Substance Storage Tank Facilities in the vicinity of the project area. Library (107 W Mason) and Piggly Wiggly (212 W Mason) are both identified as former underground tanks sites that were closed prior to 2004. Both sites were evaluated and were determined that no further actions or corrective actions were required. There are no hazardous waste site concerns based on this information. However, the potential to encounter hazardous wastes from sites unknown to the LPA and MoDOT should always be a consideration.

LPA Action: If there is any hydroblasting, grooving, milling or diamond grinding related to the project, residue and associated water must be prevented from being released to waterways or adjacent wetlands. Any hazardous waste sites that are found during project construction will be addressed by the LPA sponsor in accordance with Federal and State Laws and Regulations. If any hazardous waste concerns arise, notify MoDOT's environmental specialist as soon as possible.

Attachments:

✖DNR E-Start RER 2024-12-00179.JPG

☑ Hazardous Waste Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Cassie Baumgartner - 12/21/2023 10:11:28 AM

Wetland Impact (Section 404/401)

Status Information: Clearance Date:

(•) N/A ( ) Pending ( ) Cleared

Environmental Response: According to the attached USFWS National Wetlands Inventory map, and Google Earth imagery, there are no wetlands, blue line streams, lakes, ponds, or other waters of the U.S. in or around the project area. The project is not anticipated to impact wetlands or waters of the U.S.

LPA Action: None.

Wetland Permit Information:

404 Permit Number	Permit Submitted	Permit Received
Permit Expiration	Compliance Certification Sent	Compliance Certification Received

Attachments:

✖NWI RER 2024-12-00179.JPG

☑ Wetland Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Cassie Baumgartner - 12/21/2023 9:57:22 AM

Noise Impact

Status Information: Clearance Date:

(•) N/A ( ) Pending ( ) Cleared

Environmental Response: This is a Type III project and a noise analysis is not required.

LPA Action:

Attachments:

☑ Noise Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Holly Cantrell - 12/21/2023 12:33:17 PM

Cultural Resources Impact (Section 106/Historic 4f)

Status Information: Clearance Date:

( ) Pending (•) Cleared 07/25/2024

Environmental Response: 7.25.24-On July, 2025, SHPO concurred with a determination of No Historic Properties Affected (SHPO Project No. 005-LF-24). Update 7.3.24 - MoDOT has completed review of the draft cultural resources report. The draft report and CRIR form are acceptable. The RCIF requires one minor update (see comment in attachment). Update 6.17.24- The architectural survey report has been received and is under review. The project requires a Section 106 Review in consultation with MoDOT, Lafayette County, and the State Historic Preservation Officer (SHPO) for identifying potential cultural resources that may be impacted by the project.

LPA Action: 7.25.24-Be advised that if changes are made to the project (including but not limited to the addition of new right of way or easements, or the changing of the scope) the project will need to be reevaluated and additional clearances may be required. Update 7.3.24 - Please address the comment in the RCIF. Once addressed, please upload the corrected RCIF to the RER. After the corrected RCIF has been uploaded to the RER, please submit the RCIF, CRIR form, report, and a cover letter to SHPO. The cover letter should state that MoDOT has reviewed and approved the report submission and you are seeking SHPO's concurrence with a finding of no historic properties affected. Upload the SHPO response to the RER system once received. MoDOT will then review the SHPO letter and update this section accordingly. ARCHAEOLOGY No archaeological resources or cultural resource surveys have been previously recorded within the proposed project area. Given the proposed project parameters and lack of undisturbed land within the proposed project area, the potential for discovering archaeological resources in an undisturbed context is low; archeological survey is not required. However, if any unanticipated cultural materials or deposits are found at any stage of the proposed action, the work should cease, and the FHWA, MODOT, and the Missouri State Historic Preservation Office (SHPO) should be notified immediately. ARCHITECTURE A cultural resources survey of the area of potential effects (APE) for the built environment is required. The APE for the built environment is defined as a 50 ft buffer around any areas of new ROW or permanent easement and around any temporary construction easements associated with sidewalk construction. The cultural resources survey should provide photographs, descriptions, and National Register of Historic Places evaluations of any built environment resources (buildings or structures 45 years of age or older) located in the APE for the built environment. This includes culverts and other resources that may be within the ROW. If such resources are located, please include and all resources located on the associated parcel in the assessment. Resources less than 45 years old within the APE should be mapped and listed but do not need to be assessed. An assessment of effects must be provided for any resource that is listed or recommended eligible for listing in the National Register of Historic Places. Please submit a copy of the cultural resource survey report to MoDOT for review before submission to SHPO. The Review and Compliance Information Form and Cultural Resource Investigation Report Form must accompany every submission. Please provide drafts of these forms to MoDOT prior to submission to SHPO. These forms and instructions are available here https://mostateparks.com/page/84261/section-106-review. Please update the RCI Form you submitted based on the survey findings and be sure to include all required attachments. A list of Historic Preservation consultants included on MoDOT's LPA Consultant On-Call List can be found here: https://www.modot.org/2020-2023-lpa-consultant-call-list.

Attachments:

✖ modotgov.sharepoint.com_sites_resRERDocs_16769-Review-Compliance-Information-Form_comments.pdf

☐ Adverse Effect or Conditional No Adverse Effect

☐ Based on the review of the project location and description noted above, there are no identified historic 4(f) resources affected that would preclude the setting of an A-date.

Checked by: Kory Van Hemert on 07/25/2024 NA Approved on:

☑ Cultural Resources Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kory van Hemert - 7/25/2024 4:05:11 PM

Public Land Impact (Section 4f/6f)

Status Information: Clearance Date:

(•) N/A ( ) Pending ( ) Cleared

Environmental Response: According to Google Earth imagery, there are no Section 4(f) or Section 6(f) resources in the vicinity of the project area. The project will not result in a use to any Section 4(f) properties, nor will it result in a conversion of any Section 6(f) lands.

LPA Action:

Attachments:

☑ Based on the review of the project location and description noted above, there are no identified 4(f) or 6(f) resources affected that would preclude the setting of an A-date.

Checked by: Holly Cantrell on 12/21/2023

☑ Public Land Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Holly Cantrell - 12/21/2023 12:33:10 PM

Other

Status Information: Clearance Date:

(•) N/A ( ) Pending ( ) Cleared

Environmental Response: There are no additional resource impacts associated with this project.

LPA Action:

Attachments:

☑ Other Screening Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Holly Cantrell - 12/21/2023 12:32:38 PM

NEPA Classification

NEPA Right-Of-Way Permission:	Can Proceed to Buy R/W	as determined or approved by:	KYLE.GRAYSON@MODOT.MO.GOV
NEPA Approval/Proceed to A-date Request:	07/30/2024	Re-evaluation Date:	
NEPA Classification:	PCE		
This project qualifies for the programmatic categorical exclusion under Item#:	26	All Environmental Issues Cleared:	07/30/2024

Commitments and/or Comments to Sponsor: If there are any changes in the scope of the project, MoDOT's Environmental section should review those changes. The sponsor is ultimately responsible for complying with all applicable state and federal laws. PCE approved for A-Date request and for All Environmental Issues Cleared as of 07.30.2024. THE LPA/CONSULTANT SHOULD REVIEW ALL SECTIONS ABOVE INCLUDING THOSE MARKED AS CLEARED/GREEN. Please note the following points of contact for the environmental review: -For Farmland, Socioeconomic, Noise, and Public Lands: Holly Cantrell, holly.cantrell@modot.mo.gov, 615-649-7391 -For Floodplain/Floodway, Land/Stormwater, FEMA/SEMA, T/E, Migratory Birds, Wetlands, and HazMat: Cassie Baumgartner, cassie.baumgartner@modot.mo.gov, 615-760-0185; and/or Aaron Stolte, aaron.stolte@modot.mo.gov, 612-326-9510 -For Cultural Resources: Archaeology: Geordon Taylor, geordon.taylor@modot.mo.gov, 918-895-6596 Historic Architecture: Kory Van Hemert, kory.vanhemert@modot.mo.gov, 918-907-3512

Attachments:

✖2024.07.26_RER#2024-12-00179_KC_ 9901443_ Mason Street_LAFAYETTE_MoDOT Concurrence.msg

Last Submitted: 07/30/2024 by Holly Cantrell

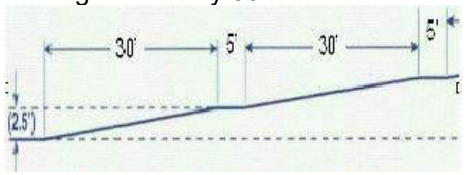
ADA CHECKLIST

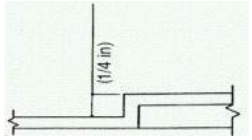
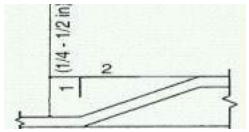
ADA CHECKLIST

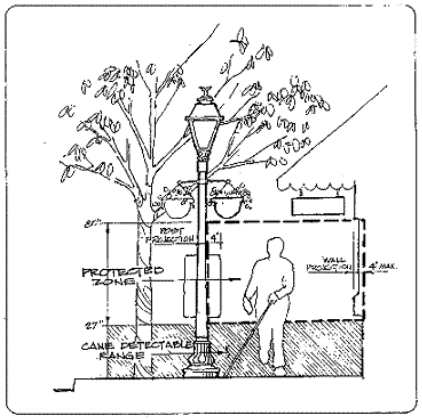
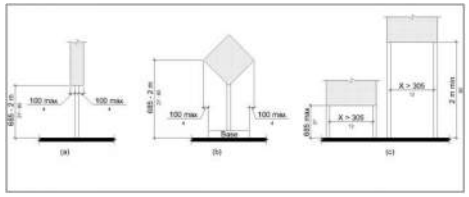
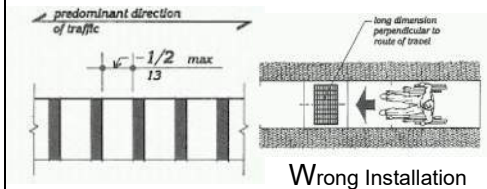
Revised July 8, 2024

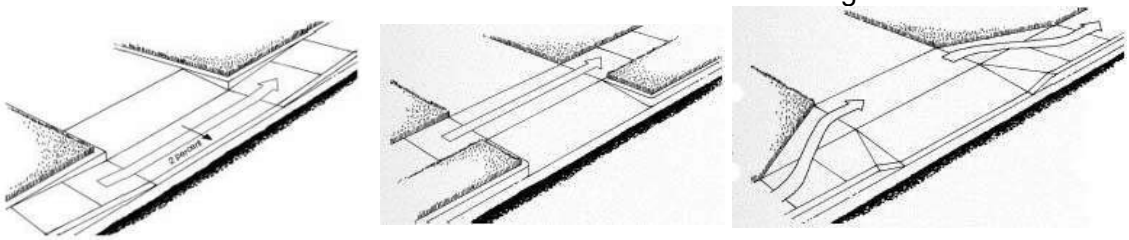
Job No._____ **Route**_____ **County**_____ **Location** _____

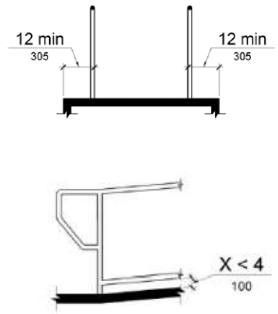
Pedestrian Access Route (PROWAG R204)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
Sidewalk Width 	• The minimum continuous and unobstructed clear width of a pedestrian access route shall be 4.0 feet, exclusive of the width of the curb. • The continuous clear width of pedestrian access routes for medians and pedestrian refuge islands must be 5 feet minimum in order to allow for passing space. • MoDOT Sidewalks shall be 5 feet wide minimum. [2] • MoDOT Sidewalks located within 2 feet of the back of curb are to be constructed 6 feet wide minimum and constructed adjacent to the back of the curb. [2] • Exception: an unaltered, existing sidewalk shall be 3 feet wide minimum and shall provide 5 foot x 5 foot passing spaces at intervals of 200 feet maximum. [2] • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. Where commercial driveways are provided with traffic control devices or otherwise are permitted to operate like public streets, detectable warnings should be provided at the junction between the pedestrian route and the street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			
Passing Spaces	• Walkways in pedestrian access routes that are less than 5 feet in clear width shall provide passing spaces at intervals of 200 feet maximum. • Pedestrian access routes at passing spaces shall be 5 feet wide for a distance of 5 feet.			
Sidewalk Running Slope The grade that is parallel to the direction of travel, expressed as a ratio of rise to run or as a percent.	• The running slope of a pedestrian access route shall be 5 percent maximum. **<u>Roadway Grade Exception</u>**: Where pedestrian access routes are contained within a street or highway right-of-way, the grade of the pedestrian access route is permitted to equal the general grade established for the adjacent street or highway. • Running Slopes shall be measured using a calibrated 2 foot long digital level.			

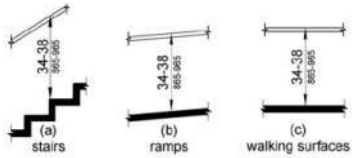
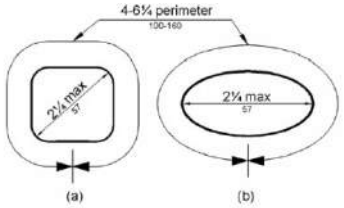
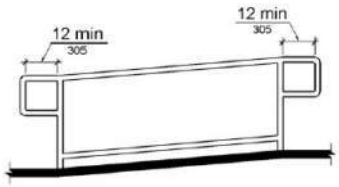
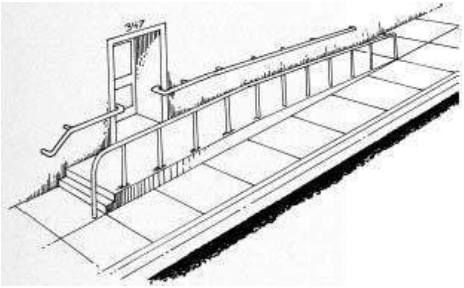
Figures/Examples	Requirements [1]	YES	NO	NA
Sidewalk Cross Slope The grade that is perpendicular to the direction of accessible pedestrian travel, measured perpendicular to the curb line or edge of the street or highway, or measured perpendicular to the running grade.	• The cross slope of the walkway of a pedestrian access route shall be 2 percent maximum. (Roadway Grade Exception may be considered) • 2010 ADA/ABA allows for cross slopes of up to ¼ inch per foot (2.08 percent). • In either case, a cross slope measurement of 2.1 percent or greater is not ADA compliant. • Cross Slopes shall be measured using a calibrated 2 foot long digital level.			
Sidewalk Ramps For example, a sidewalk ramp segment with the maximum allowed running slope of 8.33% would require a landing after every 30' of run.  	• A sidewalk segment (not contained within a street or highway border) with a running grade in excess of 5 percent but less than 8.33 percent is by definition a sidewalk ramp. • Sidewalk Ramps shall have landings at the top and the bottom of each ramp run. - The landing clear width shall be at least as wide as the widest ramp run leading to the landing. - The landing clear length shall be 5.0 feet long minimum. - Sidewalk Ramps that change direction between runs at landings shall have a clear landing 5.0 feet minimum by 5.0 feet minimum. - Landing slopes shall be 2 percent maximum. - Changes in level at grade breaks shall be flush. • Cross slope of ramp runs shall be 2 percent maximum. • The rise for any ramp run shall be 30 inches maximum. • Sidewalk Ramp runs with a rise greater than 6 inches shall have handrails. • Handrails shall be provided on both sides of stairs and sidewalk ramps. • Edge protection shall be provided on each side of sidewalk ramp runs. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			

Figures/Examples	Requirements [1]	YES	NO	NA
Vertical Alignment	• Vertical alignment shall be planar within curb ramp runs, blended transitions, landings, and gutter areas within the pedestrian access route, and within clear spaces required for accessible pedestrian signals, street furniture, and operable parts. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. • Grade breaks shall be flush. • Running Slopes and Cross Slopes shall be measured using a calibrated 2 foot long digital level. • Where the pedestrian access route crosses rail tracks at grade, the surface of the pedestrian access route shall be level and flush with the top of the rail at the outer edges of the rail. The surface between the rails shall be aligned with the top of the rail.			
Changes in Level   	• Changes in level at grade breaks shall be flush. • Changes in level of ¼ inch high maximum shall be permitted to be vertical. • Changes in level between ¼ inch high maximum and ½ inch high maximum shall be beveled with a slope not steeper than 1v:2h. • The bevel shall be applied across the entire level change. • Changes in level greater than ½ inch high shall be ramp grade or flatter, a slope of 8.33 percent or less.			

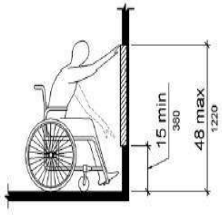
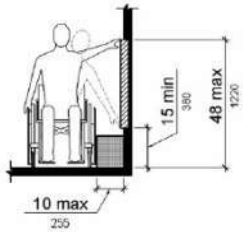
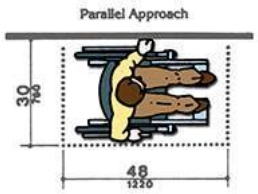
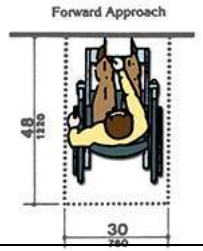
Figures/Examples	Requirements [1]	YES	NO	NA
 	• Protruding objects on sidewalks and other pedestrian circulation paths shall not reduce the clear width required for pedestrian accessible routes. • Objects with leading edges more than 27 inches and not more than 80 inches above the finish floor or ground shall protrude 4 inches maximum horizontally into the circulation path. • Free-standing objects mounted on posts or pylons shall overhang circulation paths 4 inches maximum measured horizontally from the post or pylon base when located 27 inches minimum and 80 inches maximum above the finish floor or ground. The base dimension shall be 2.5 inches thick minimum. (2011 PROWAG R402.3) • Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches, the lowest edge of such sign or obstruction shall be 27 inches maximum or 80 inches minimum above the finish floor or ground. • Vertical clearance shall be 80 inches high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches high. The leading edge of such guardrail or barrier shall be located 27 inches maximum above the finish floor or ground. • Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches high. The leading edge of such guardrail or barrier shall be located 27 inches maximum above the finish surface or ground.			
   Wrong Installation	• Openings in floor and ground surfaces shall not allow passage of a sphere more than ½ inch diameter. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Lift holes for manhole/utility covers shall not have an opening greater than ½ inch. Plugging of holes greater than ½ inch with a material approved by the engineer is acceptable as long as it complies with the changes in level requirements.			

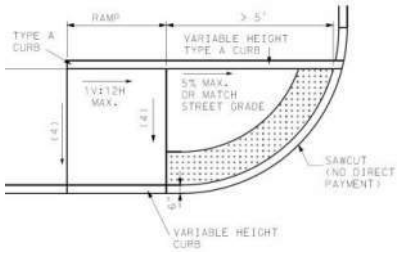
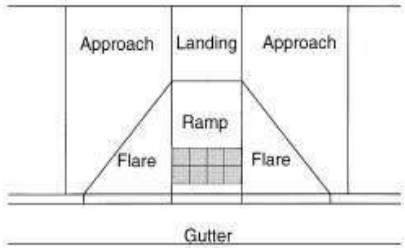
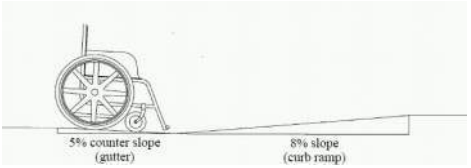
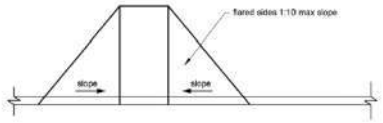
ENTRANCES (PROWAG R301)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• The minimum continuous and unobstructed clear width of a pedestrian access route provided across commercial and residential entrances shall be 4 feet minimum. • Cross slope shall be 2 percent maximum. • Be cautious with the transition from the driveway to the roadway to avoid grade combinations that will cause vehicles to bottom out when driving over the transition. [2] 			

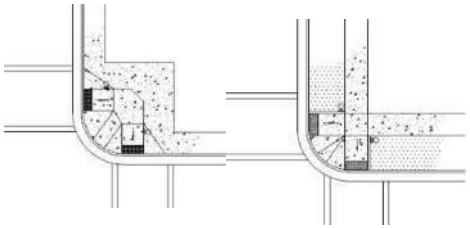
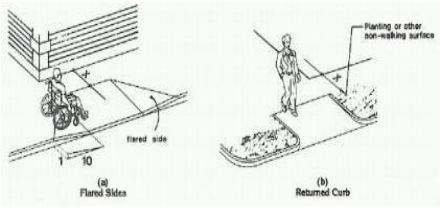
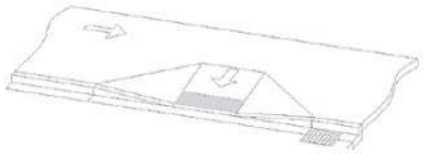
EDGE PROTECTION (PROWAG R406.8)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• Edge protection shall be provided on each side of ramp runs and at each side of ramp landings. • A curb or barrier shall be provided that prevents the passage of a 4 inch diameter sphere, where any portion of the sphere is within 4 inches of the finish floor or ground surface. • Edge-protection shall not be required when the floor or ground surface of the ramp run or landing extends 12 inches minimum beyond the inside face of a handrail. • Edge protection shall not be required on curb ramps and their landings. • Edge protection shall not be required on ramps that are not required to have handrails and have flares not steeper than 1:10. • Edge protection shall not be required on the sides of ramp landings having a vertical drop-off of ½ inch maximum within 10 inches horizontally of the minimum landing area.			

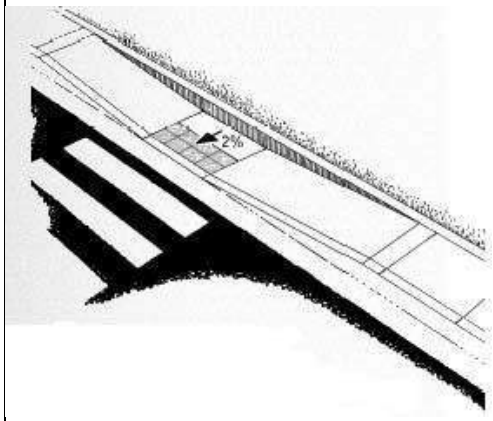
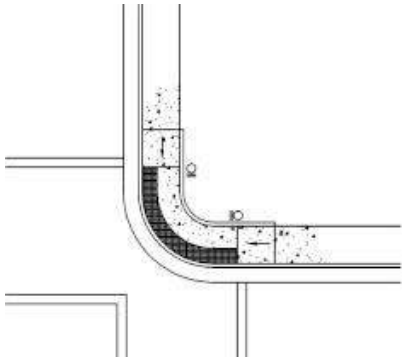
HANDRAIL AND PEDESTRIAN GUARDRAIL (PROWAG R408)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• The clear width of walking surfaces shall be 4.0 feet minimum. • Handrails are required on ramp runs with a rise greater than 6 inches and on certain stairways. Handrails are not required on walking surfaces with running slopes less than 1:20. Where required, handrails shall be provided on both sides of stairs and ramps. • Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. • Top of gripping surfaces of handrails shall be 34 inches minimum and 38 inches maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. • Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches minimum. • Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches minimum and 2 inches maximum. • Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches minimum and 6 1/4 inches maximum, and a cross-section dimension of 2 1/4 inches maximum. • Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. • Handrails shall not rotate within their fittings. • Ramp handrails shall extend horizontally above the landing for 12 inches minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run. • At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. • At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. • See Edge Protection section above (also PROWAG 406.8) for additional details.			
				
				
				

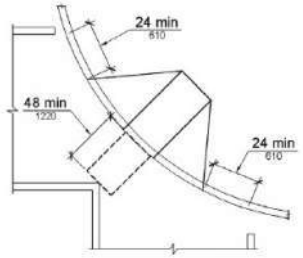
STAIRWAYS (PROWAG R407)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches high minimum and 7 inches high maximum. Treads shall be 11 inches deep minimum. • Open risers are not permitted. • The radius of curvature at the leading edge of the tread shall be 1/2 inch maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 1/2 inches maximum over the tread below. • Stairs shall have handrails complying with PROWAG 2005 R408.			

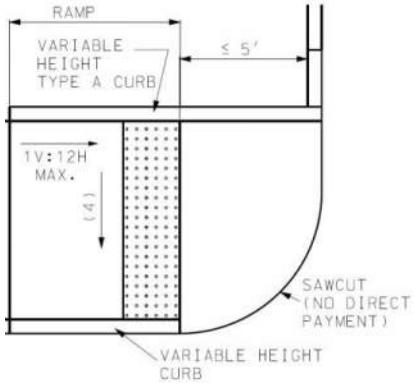
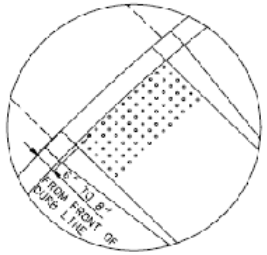
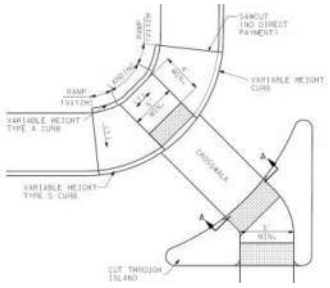
UNOBSTRUCTED REACH RANGES (PROWAG R406)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
 	Forward Reach • Where a forward reach is unobstructed, the high forward reach shall be 48 inches maximum and the low forward reach shall be 15 inches minimum above the finish floor or ground. Side Reach • Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches maximum and the low side reach shall be 15 inches minimum above the finish floor or ground. • EXCEPTION: An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches maximum. (2011 PROWAG R406.3)  			

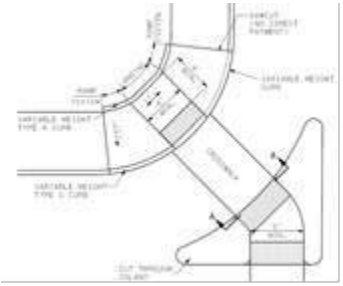
CURB RAMPS (PROWAG R304)				
Figures/Examples	**Requirements** [1]	**YES**	**NO**	**NA**
A curb ramp, blended transition, or a combination of curb ramps and blended transitions shall connect the pedestrian access routes at each pedestrian street crossing.     **15 Foot Rule:** For a compliant curb ramp to exceed 8.33 percent running grade, its constructed length must exceed 15.0 feet.	• The clear width of curb ramps, excluding the flares, shall be 4.0 feet minimum. • Curb Ramp runs shall have a running slope between 5 percent minimum and 8.33 percent maximum but shall not require the curb ramp length to exceed 15.0 feet. **Exception: 15 Foot Rule:** The running slope for a curb ramp is not limited to 8.33 percent maximum if the constructed curb ramp length exceeds 15 feet in length. • Cross slope of ramp runs shall be 2 percent maximum. (Roadway Grade Exception may be considered) • The cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade. • Handrails and Edge protection shall not be required on curb ramps and their landings. • Curb height = 0 inches within curb ramp spaces. • Curb ramps must be flush with street. • The counter slope of the gutter or street at the foot of a curb ramp, landing, or blended transition shall be 5 percent maximum. (R303.3.5) • The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level. • Flared sides with a slope of 10 percent maximum, measured parallel to the curb line, shall be provided where a pedestrian circulation path crosses the curb ramp. - In alterations, where there is no landing at the top of curb ramps, curb ramp flares shall be provided and shall not be steeper than 1:12. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Grade Breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run.			

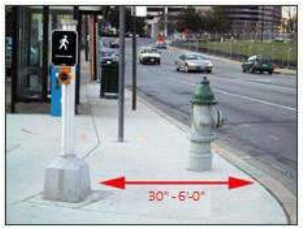
Figures/Examples	Requirements [1]	YES	NO	NA
 Perpendicular Ramps  X = 4'Min. Flared Sides in Pathway Not in Pathway Flared Sides **<u>Roadway Grade Exception:</u>** Where curb ramps, landings and blended transitions are contained within a street or highway right-of-way, the grade of the pedestrian access route is permitted to be modified to equal the general grade established for the adjacent street or highway. 	• **Perpendicular curb ramps** shall have a running slope that cuts through or is built up to the curb at right angles or meets the gutter grade break at right angles. • The clear width of landings, blended transitions, and curb ramps, excluding flares, shall be 4.0 feet minimum. • The running slope shall be 5 percent minimum and 8.33 percent maximum but shall not require the ramp length to exceed 15.0 feet. • The cross slope at intersections shall be 2 percent maximum. (Roadway Grade Exception may be considered) • The cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade. **<u>Roadway Grade Exception</u>**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • A landing 4.0 feet minimum by 4.0 feet minimum shall be provided at the top of the curb ramp and shall be permitted to overlap other landings and clear space. • Flared sides with a slope of 10 percent maximum, measured parallel to the curb line, shall be provided where a pedestrian circulation path crosses the curb ramp. • If the flared sides are not in the pathway (grass next to ramp), then there is no maximum slope and can be vertical curbs. (See adjacent figure for further explanation.) • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks at the top and bottom of perpendicular curb ramps shall be perpendicular to the direction of ramp run. At least one end of the bottom grade break shall be at the back of curb. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Where both ends of the bottom grade break are 5.0 feet or less from the back of curb, the detectable warning shall be located on the ramp surface at the bottom grade break. Where either end of the bottom grade break is more than 5.0 feet from the back of curb, the detectable warning shall be located on the lower landing.			

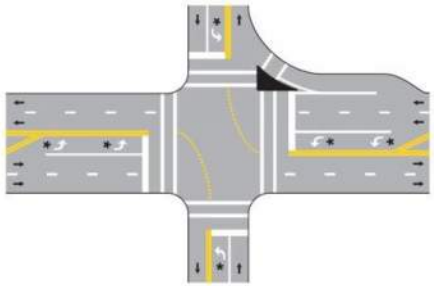
Figures/Examples	Requirements [1]	YES	NO	NA
 Curb Ramps and landings that are contained within a street or highway border may use the Roadway Grade Exception for slopes or cross slopes in the direction of the roadway travel being matched.	• **Parallel curb ramps** shall have a running slope that is in-line with the direction of sidewalk travel. • The clear width of landings, blended transitions, and curb ramps, excluding flares, shall be 4.0 feet minimum. • The running slope shall be 5 percent minimum and 8.33 percent maximum but shall not require the ramp length to exceed 15.0 feet. • The cross slope shall be 2 percent maximum. (Roadway Grade Exception may be considered) **Roadway Grade Exception**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • A landing 4.0 feet minimum by 4.0 feet minimum shall be provided at the bottom of the ramp run and shall be permitted to overlap other landings and clear floor or ground space. • Where a parallel curb ramp does not occupy the entire width of a sidewalk, drop-offs at diverging segments shall be protected. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			
	• **Blended Transitions** shall have a running slope of 5 percent maximum and cross slope shall be 2 percent maximum. • The clear width blended transitions, excluding flares, shall be 4.0 feet minimum. • Detectable warning surfaces shall be provided where a blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on blended transitions within the pedestrian access route. • Grade breaks at the top and bottom of perpendicular curb ramps shall be perpendicular to the direction of ramp run. At least one end of the bottom grade break shall be at the back of curb. Grade breaks shall not be permitted on the surface of blended transitions and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			

Figures/Examples	Requirements [1]	YES	NO	NA
  	• **Diagonal Curb Ramps or corner type curb ramps are no longer preferred design types. A design that provides individual ramps for each crossing direction is recommended by the US Access Board.** • Diagonal Curb Ramps or corner type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. • The bottom of diagonal curb ramps shall have a clear space 48 inches minimum outside active traffic lanes of the roadway. • Diagonal curb ramps provided at marked crossings shall provide the 48 inches minimum clear space within the markings. • Diagonal curb ramps with flared sides shall have a segment of curb 24 inches long minimum located on each side of the curb ramp and within the marked crossing. **Roadway Grade Exception**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Running and cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade.			

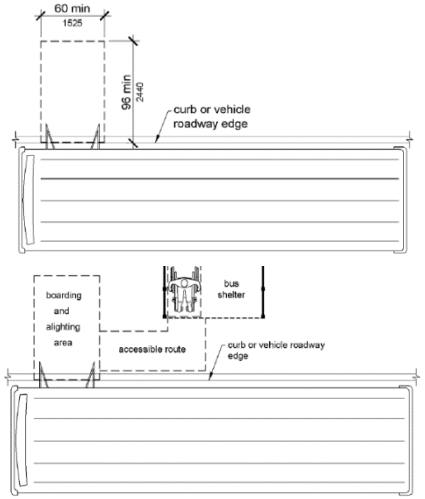
DETECTABLE WARNINGS DEVICES (TRUNCATED DOMES) (PROWAG R304)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
A surface feature of truncated dome material built in or applied to the walking surface to advise of an upcoming change from pedestrian to vehicular way.   	• Detectable warnings shall consist of a surface of truncated domes aligned in a square or radial grid pattern complying with 2010 ADA Standards. Detectable warning surfaces shall contrast visually with adjacent gutter, street or highway, or walkway surfaces, either light-on-dark or dark-on-light. • Detectable warning surfaces shall extend 24 inches minimum in the direction of travel and the full width of the curb ramp (exclusive of flares), the landing, or the blended transition. Detectable warning surfaces are required where curb ramps, blended transitions, or landings provide a flush pedestrian connection to the street. • Sidewalk crossings of residential driveways should not generally be provided with detectable warnings, since the pedestrian right-of-way continues across most driveway aprons and overuse of detectable warning surfaces should be avoided in the interests of message clarity. However, where commercial driveways are provided with traffic control devices or otherwise are permitted to operate like public streets, detectable warnings should be provided at the junction between the pedestrian route and the street. • Perpendicular Curb Ramps: Where both ends of the bottom grade break are 5 feet or less from the back of curb, the detectable warning shall be located on the ramp surface at the bottom grade break. Where either end of the bottom grade break is more than 5 feet from the back of curb, the detectable warning shall be located on the lower landing. • Landings and Blended Transitions: The detectable warning shall be located on the landing or blended transition at the back of curb. • Rail Crossings: The detectable warning surface shall be located so that the edge nearest the rail crossing is 6 feet minimum and 15 feet maximum from the centerline of the nearest rail. The rows of truncated domes in a detectable warning surface shall be aligned to be parallel with the direction of wheelchair travel. • Detectable warnings at cut-through islands shall be located at the curb line in-line with the face of curb and shall be separated by a 2.0 foot minimum length of walkway without detectable warnings. Where the island has no curb, the detectable warning shall be located at the edge of roadway. • Exception, when detectable warnings are required by a manufacturer's installation specifications to be embedded into concrete with a surrounding edge, domes may be installed at less than the required full width. Under this exception, the detectable warning surface shall never be more than 2 inches from the edge of the curb ramp, the landing, or the blended transition. [2] • Detectable warnings shall not be stamped into concrete.			

ISLANDS AND MEDIANS (PROWAG R305.4)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
  	• Medians and pedestrian refuge islands in crosswalks shall contain a pedestrian access route, including passing space and connecting to each crosswalk. • Raised islands in crossings shall be cut through level with the street or have curb ramps and required landings at both sides. • All median island passage spaces shall provide a clear width of 5 feet minimum. [2] • Medians and pedestrian refuge islands shall be 6.0 feet minimum in length in the direction of pedestrian travel. **Roadway Grade Exception**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • Each curb ramp shall have a level area 48 inches long minimum by 48 inches wide minimum at the top of the curb ramp in the part of the island intersected by the crossings. • The 48 inch minimum by 48 inch minimum areas and the accessible route shall be permitted to overlap. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. Medians and pedestrian refuge islands shall have detectable warnings at curb ramps and blended transitions. • Detectable warnings at cut-through islands shall be located at the curb line in-line with the face of curb and shall be separated by a 2.0 foot minimum length of walkway without detectable warnings. Where the island has no curb, the detectable warning shall be located at the edge of roadway. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			

ACCESSIBLE PEDESTRIAN SIGNALS (PUSHBUTTONS) (PROWAG R306 and EPG 902.6.1 – EPG 902.6.15)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
         	• Each crosswalk with pedestrian signal indication shall have an accessible pedestrian signal which includes audible and vibrotactile indications of the WALK interval at new signalized intersections and shall be considered at existing intersections being altered or are needing maintenance applications. Where a pedestrian pushbutton is provided, it shall be integrated into the accessible pedestrian signal. • Accessible pedestrian signals shall be located so that the vibrotactile feature can be contacted from the level landing serving a curb ramp, if provided, or from a clear floor or ground space that is in line with the crosswalk line adjacent to the vehicle stop line. • Accessible pedestrian pushbuttons shall be located within a reach range complying with EPG 642. • A clear floor or ground space shall be provided at the pushbutton and shall connect to or overlap the pedestrian access route. **<u>Roadway Grade Exception</u>**: Clear spaces required at accessible pedestrian signals and pedestrian pushbuttons and at other accessible elements are permitted to have a running slope or cross slope consistent with the grade of the adjacent pedestrian access route. • Pedestrian signals shall comply with PROWAG 2005 R306 and EPG 902.6.1 through 902.6.15. - Pushbuttons are a minimum 2 inches across in one dimension, raised (not recessed), contrast visually with the housing or mounting, and have a maximum force of 3.5 pounds to activate operable parts. - The control face of the pushbuttons is installed parallel to the direction of the crosswalk it serves. - The location of pushbuttons for new construction are within a longitudinal distance of 5 feet maximum from the crosswalk line, and 30 inches minimum to 6 feet maximum from the curb line. - For audible pedestrian signal devices only, pushbuttons are a minimum 10 feet apart. - Pushbuttons are located at a height of approximately 42 inches, but no higher than 48 inches from the ground and within 10 inch reach from a level paved clear floor or ground space with minimum dimensions of 48 inches x 30 inches positioned for a parallel approach to the pushbutton. For a forward approach space (30 x 48 inches) the allowed reach range is 0 inches. - Where pushbuttons for the visually impaired are installed, tactile signs are to be provided that meet ADA requirements.			

PEDESTRIAN STREET CROSSINGS (PROWAG R305 and EPG 642)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
 	• Crosswalks shall contain a pedestrian access route that connects to departure and arrival walkways through any median or pedestrian refuge island. • Marked crosswalks shall be 6 feet wide minimum. • The grade of the pedestrian access route is permitted to equal the general grade established for the adjacent street or highway, except that where pedestrian access routes are contained within pedestrian street crossings a maximum grade of 5 percent is required. • A 5 percent maximum cross slope is specified for pedestrian access routes contained within pedestrian street crossings without yield or stop control. • Crossings with Stop Control: The cross slope shall be 2 percent maximum. • The cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade. • The running slope shall be 5 percent maximum, measured parallel to the direction of pedestrian travel in the crosswalk. • Accessible pedestrian signals and pedestrian pushbuttons provided at pedestrian crossings with pedestrian signals (See EPG 642 for applicability) shall comply with EPG 902.6.8 through 902.6.15. Operable parts shall comply with EPG 902.6.9 – 902.6.15. • Crosswalk pavement marking is 6 inches wide white. • Stop bar is at minimum 4 feet from the crosswalk. • Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Beyond the curb face, a clear space of 4.0 feet minimum by 4.0 feet minimum shall be provided within the width of the crosswalk and wholly outside the parallel vehicle travel lane.			

ALTERNATE CIRCULATION PATH (PROWAG R302)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• Alternate circulation paths shall contain a pedestrian access route. • To the maximum extent feasible, the alternate circulation path shall be provided on the same side of the street as the disrupted route. • Where the alternate circulation path is exposed to adjacent construction, excavation drop-offs, traffic, or other hazards, it shall be protected with a pedestrian barricade or channelizing device complying with MUTCD 6F-58, 6F-63, and 6F-66. • Pedestrian barricades and channelizing devices shall be continuous, stable, and non-flexible and shall consist of a wall, fence, or enclosures specified in section 6F-58, 6F-63, and 6F-66 of the MUTCD (incorporated by reference; see PROWAG 2005 R104.2.4). • A detectable continuous bottom edge shall be provided 2 inches maximum above the ground or walkway surface. • Devices shall provide a continuous surface or upper rail at 3.0 feet minimum above the ground or walkway surface. • Support members shall not protrude into the alternate circulation path.			

BUS BOARDING AND ALIGHTING AREAS (PROWAG R410)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• Bus stop boarding and alighting areas shall have a firm, stable surface. • Bus stop boarding and alighting areas shall provide a clear length of 8 feet minimum, measured perpendicular to the curb or vehicle roadway edge, and a clear width of 5 feet minimum, measured parallel to the vehicle roadway. • Bus stop boarding and alighting areas shall be connected to streets, sidewalks, or pedestrian paths by an accessible route. • Parallel to the roadway, the slope of the bus stop boarding and alighting area shall be the same as the roadway, to the maximum extent practicable. Perpendicular to the roadway, the slope of the bus stop boarding and alighting area shall not be steeper than2 percent. • Bus shelters shall provide a minimum 30 inch by 48 inch clear floor or ground space entirely within the shelter. • Bus shelters shall be connected by an accessible route to a boarding and alighting area.			

[1] Any “NO” answer means that location is ADA non-compliant and needs to be corrected before final acceptance of the work, except as follows. Although exceptions listed in the above requirements may not meet MoDOT current policy standards, work that does meet the minimum ADA standards will be accepted as ADA compliant. Where it is technically infeasible to correct deficiencies as part of the current work, those locations will be labeled as non-compliant and marked “NO”. These items will be added to the Transition Plan Inventory for correction at a later date. (Guidance is provided in ADA documents and in the EPG on what may be considered as technically infeasible.)

[2] A MoDOT requirement.

Unless otherwise noted, all notes on this form are direct ADA requirements as published in either the PROWAG dated November 23, 2005 or ADA/ABA Standards from 2010.

All exceptions and technically infeasible locations should be discussed with the project manager and/or area engineer prior to acceptance of the work. All exceptions and technically infeasible locations will need to be thoroughly documented by the engineer, and that documentation will be attached to this form and retained as part of the final acceptance records.

All slope and grade measurements for ADA compliance will be made using a calibrated 2 foot long digital level.

US Access Board PROWAG
R202.3.1 Prohibited Reduction in Required Access. An alteration shall not decrease or have the effect of decreasing the accessibility of a facility or an accessible connection to an adjacent building or site below the requirements for new construction in effect at the time of the alteration.

Inspector Name: _____ **Inspector Signature:** _____	**Date:**
Contractor Representative Name: _____ **Contractor Representative Signature:** _____	**Date:**
Resident Engineer or Area Engineer Name: _____ **Resident Engineer or Area Engineer Signature:**	**Date:**
Distribution: ❑ **Project Office** ❑ **District Permit Office**	

SAMPLE

ADA EXCEPTIONS DOCUMENTATION

Job No._____ **Route**_____ **County**_____ **Location**_____

Item	Location	Standard	As Built	Discussion
Sidewalk Width	Third Street Sta 3+00 to 7+00 RT	5' wide	Exist 3' wide	Required 5' x 5' Passing Space added at 5+00
Curb Ramp Grade	SE Quad of Main & First	8.33%	11.2%	As-built Curb Ramp is 16.0' long
Parallel Ramp Landing running grade	Sta 35+20 to 35+25 Rt Rte 14 (turning space)	2.00%	2.6%	Landing running grade matches existing roadway grade
Sidewalk Grade	Sta 23+45 to 23+52	5.0%	8.4%	Match existing floor at two exist doorways, Straight grade between fixed elevations

Inspector Name: _____ **Inspector Signature:** _____	**Date:**
Resident Engineer or Area Engineer Name: _____ **Resident Engineer or Area Engineer Signature:**	**Date:**
Distribution: ❑ **Project Office** ❑ **District Permit Office**	

CONTRACT FORMS

CONTRACTOR'S ACKNOWLEDGEMENT

1. ***Form to be used if Contractor is an individual.***

State of _____)
) ss.
County of _____)

On this _____ day of _____, 20_____, before me personally appeared _____, to me known to be the person described in and who executed the foregoing proposal, contract agreement, and bond, and being first duly sworn, acknowledged that he/she executed the same as his/her free act and deed.

Witness my hand and seal at _____, _____, the day and year first above written.

(SEAL) _____
Notary Public

My commission expires _____, 20 _____.

2. ***Form to be used if Contractor is a partnership or unincorporated company.***

State of _____)
) ss.
County of _____)

On this _____ day of _____, 20 _____, before me personally appeared _____, to me known to be the person described in and who executed the foregoing proposal, contract agreement, and bond, and being first duly sworn, acknowledged that he/she executed the same as the free act and deed of the partnership or company, and stated that all of the members of the partnership or company are correctly shown in the proposal.

Witness my hand and seal at _____, _____, the day and year first above written.

(SEAL) _____
Notary Public

My commission expires _____, 20 _____.

3. ***Form to be used if Contractor is a corporation***

State of _____)
) ss.
County of _____)

On this _____ day of _____, 20 _____, before me appeared _____, to me personally known, who being by me duly sworn, did say that he/she is the _____ of _____ (the Contractor) and that the seal affixed to the foregoing agreement and contract bond is the corporate seal of said corporation, and that the foregoing proposal, contract agreement, and contract bond were signed and sealed in behalf of said corporation by authority of its board of directors, and he/she acknowledges said instruments to be the free act and deed of said corporation.

Witness my hand and seal at _____, _____, the day and year first above written.

(SEAL)

_____
Notary Public

My commission expires _____, 20 _____.

NOTICE OF AWARD

TO: _____

_____

_____

PROJECT Description: TAP 9901(443) – Odessa Sidewalk Improvements, Odessa, Missouri

The OWNER has considered the BID submitted by you for the above described WORK in response to its invitation to Bid dated _____, and Instructions to Bidders.

You are hereby notified that your BID has been accepted in the amount of ___/100 Dollars ($_____).

You are required by the Instructions to Bidders to execute the Agreement and furnish the required CONTRACTORS PERFORMANCE BOND, PAYMENT BOND and CERTIFICATES OF INSURANCE within fourteen (14) consecutive calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said BONDS and INSURANCE CERTIFICATES within fourteen (14) consecutive calendar days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this _____ day of _____, 2025_.

City of Odessa

By _____

Title _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged by _____this the day of _____ 20___ .

By_____

Title_____

NOTICE TO PROCEED

TO: _____

_____

_____

DATE: _____

PROJECT: **TAP 9901(443) Odessa Sidewalk Improvements**

You are hereby notified to commence WORK in accordance with the Agreement dated _____, on or before _____, _____, and you are to complete the WORK within _____days thereafter. The date of completion of all WORK is therefore _____.

City of Odessa

By _____

Title Mayor

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by _____

this the_____day of_____, 20_____.

By_____

Title_____

Sponsor _____
Project _____

CONTRACTOR'S AFFIDAVIT
REGARDING
SETTLEMENT OF CLAIMS

(To be executed and filed in duplicate)

_____, 20_____

_____

To the _____

This is to certify that all lawful claims for material, lubricants, fuel, coal, coke, repairs on machinery, groceries and foodstuffs, equipment and tools consumed or used in connection with the construction of the above mentioned project, and all insurance premiums, both compensation and all other kinds of insurance on said work, and for all labor performed in said work, whether by subcontractor or claimant in person or by his employee, agent, servant, bailee or bailor, have been paid and discharged.

_____
Contractor

By _____
(Title)

By _____
(Title)

STATE OF _____

ss.

COUNTY OF _____

Subscribed and sworn to before me this _____ day of _____, 20_____, at _____.

_____

Notary Public

(SEAL)

My Commission expires _____, 20 _____.

AFFIDAVIT

COMPLIANCE WITH THE PREVAILING WAGE LAW

Before me, the undersigned Notary Public, in and for the County of _____,

State of_____, personally came and appeared _____

_____ of _____

(*Name & Title)* *(Company Name)*

(a Corporation) (a Partnership) (a Proprietorship), and after being duly sworn did depose and say that all provisions and requirements set out in Chapter 290, Sections 290.210 through and including 290.340, Missouri Revised Statutes, pertaining to the payment of wages to workers employed on public works projects have been fully satisfied and there has been no exception to the full and complete compliance with said provisions and requirements and with Wage Determination No. _____ or Annual Wage Order No. _____ issued by the Division of Labor Standards on project

_____ , _____ ,

(Job No.) *(Route or location, if building construction)*

_____ County, Missouri, and completed on the _____ day of _____, 20 _____.

_____

(Signature)

Subscribed and sworn to me this _____ day of _____, 20 _____.

My commission expires _____, 20 _____.

Notary Public