ADDENDUM NO. 1



TO: All Holders of Plans and Contract	ISSUED:	December 03, 2025	Engineering beyond.
Documents for Odessa 2nd Street	1000LD. <u> </u>	Bosciniaci Go, Eges	
Sidewalk, Ramps & Street Improvements			
Phase I, TAP-9901(440)			
		Name of Bidder	
	Re	ceipt 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
 - o Page 3
 - Addition of Meeting Link information for Pre-Bid Meeting

Sincerely,

Mitch Gibler Project Manager

Mtch Gilbs

Odessa 2nd Street Sidewalk, Ramps, & Street Improvements Phase I Invitation to Bid

SEALED BIDS for construction of <u>City of Odessa Sidewalks Improvements, TAP-9901(440)</u>, <u>Odessa, Missouri will be received by the <u>City of Odessa, 228 S. 2nd Street, Odessa Missouri 64076</u> until 2:00 p.m. prevailing local time, <u>December 18, 2025</u>, and then publicly opened and read aloud at the <u>City of Odessa, 228 S. 2nd Street, Odessa, Missouri 64076</u>.</u>

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

Project TAP-9901(440) may be bid as an individual project or as a package bundle with TAP-9901(443). 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(440) and TAP-9901(443) 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 <u>mgibler@weareown.com</u> 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 <u>City of Odessa</u> 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 <u>0%</u>.

ADDENDUM NO. 2



	ICCLIED	D 11 2025	Engineering beyond.
TO: All Holders of Plans and Contract Documents for Odessa 2nd Street	ISSUED: _	December 11, 2025	
Sidewalk, Ramps & Street Improvements			
Phase I, TAP-9901(440)	-		
		Name of Bidder	
		ceipt Acknowledged By	
	ne ne	LEIDI ALKIIOWIEUUEU DV	

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
 - o Page 12
 - Roadway
 - Revised Item No. 304-05.06
 - o Revised Quantity from "5149 SY" to "2642 SY"
 - Bike/Pedestrian Facilities
 - Addition of Item No. 304-05.06, TYPE 5 AGGREGATE BASE (6 IN. THICK), SY, 2137
 - Revised Item No. 608-20.23
 - Revised Item Description from "HAND-RAILING FOR STEPS WITHOUT BAULSTERS" to "HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)"
 - o Revised Quantity from "644 LF" to "21 LF"
 - Addition of Item No. 608-40.23, SIDEWALK HAND-RAILING WITHOUT BAULSTERS (BLACK), LF, 632
 - o Page 14
 - Roadway
 - Revised Item No. 304-05.06
 - o Revised Quantity from "5149 SY" to "2642 SY"
 - Bike/Pedestrian Facilities
 - Addition of Item No. 304-05.06, TYPE 5 AGGREGATE BASE (6 IN. THICK), SY, 2137
 - Revised Item No. 608-20.23
 - o Revised Item Description from "HAND-RAILING FOR STEPS WITHOUT BAULSTERS" to "HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)"
 - o Revised Quantity from "644 LF" to "21 LF"
 - Addition of Item No. 608-40.23, SIDEWALK HAND-RAILING WITHOUT BAULSTERS (BLACK), LF, 632

- Applicable Federal Wage Rates
 - o Page 80-121
 - 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
 - o Sheet 3
 - Summary of Quantities
 - Revised of Item No. 304-05.06
 - o 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)"
 - o 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

Mitch Giths

ITEM NO	ITEMIZED PRO		OHANTITY	UNIT DDIOF	OUDTOTAL
ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
202-20.10	REMOVAL OF IMPROVEMENTS	LS	1 \$	e	
207-20.00	LINEAR GRADING CLASS 2	STA	7.7 \$	Ф С	
304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	4779.6 \$	Φ.	
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	222.8 \$	φ ¢	
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG04-22, (BP-1) (2 IN.)	TONS	222.8 \$	9	
401-30.00	BITUMINOUS PAVEMENT MIXTURE PG04-22, (BASE) (5 IN.)	TONS	556.3 \$	φ ¢	
502-11.08	CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS)	SY	202 \$	9	
609-10.51	CURB & GUTTER TYPE A	LF	43 \$	ψ ¢	
609-10.52	CURB & GUTTER TYPE B	LF	1522.3 \$	φ \$	
609-99.03	CURB & GUTTER TYPE C	LF	318 \$	9	
609-99.03	CURB RAMP CURB & GUTTER	LF	60 \$	9	
609-99.03	DRIVEWAY CURB & GUTTER	LF	39 \$	ψ ¢	
618-10.00	MOBILIZATION	LS	1 \$	9	
627-40.00	CONTRACTOR SURVEYING & STAKING	LS	1 \$	ψ ¢	
027-40.00	CONTINUE OF THE & STANING	LO	Ψ	TOTAL ROADWAY \$	
SIGNIN	IG, STRIPING, SIGNAL, LIGHTING			TOTAL NOADWAT	
620-60.00D	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	2087.137 \$	\$	
620-99.02	INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)	EA	9 \$	\$	
620-99.03	6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	118 \$	ψ ¢	
620-99.03	4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1096 \$	9	
903-50.04A	SH-FLAT SHEET	SF	102 \$	φ ¢	
903-99.02	SIGN POSTS	EA	15 \$	9	
903-99.02	310N F0313			IG, SIGNAL, LIGHTING \$	
DIKE/E	PED FACITILITES	10181	. SIGNING, STRIFIN	io, Signal, Lightning	
304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	2137.3 \$	\$	
502-99.07	INTEGRAL RETAINING WALL W/ REINFORCING	CY	23 \$	\$	
608-10.10	CONCRETE CURB RAMP	SY	58.7 \$	9	
608-10.10	TRUNCATED DOMES	SF	130 \$	9	
608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)	LF	21 \$	9	
608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF	644 \$	ā e	
608-99.05	CONCRETE SIDEWALK, 6 IN.	SY	2137.3 \$	D C	
000-99.05	CONCRETE SIDEWALK, 6 IN.	31		BIKE/PED FACITILITES \$	
LANDSO	CAPING/STREETSCAPING		TOTAL	BIKE/FED FACITIEITES	
805-10.00A	SEEDING - COOL SEASON GRASSES	ACRE	0.1 \$	\$	
806.10.07A	CURB INLET CHECK	EA	2 \$	4	
000.10.07A	CORB INCET CHECK			ING/STREETSCAPING \$	
TDAEEIC	CONTROL		TOTAL LANDSCAF	ING/STREETSCAFING	
616-10.22	CHANNELIZER (CONE)	EA	16 \$	\$	
616-10.22	TYPE 3 MOVEABLE BARRICADE	EA EA	2 \$	Ф e	
903-50.04A	SH-FLAT SHEET	SF	90 \$	Ф е	
500-50.04A	OFFI DAT OFFICE	JF.		AL TRAFFIC CONTROL \$	
OTUE	R (INFRASTRUCTURE FOR ELECTRICAL ITEMS)		1011	AL INAFFIC CONTROL 3	
901-99.03	LIGHTING CONDUITS	LS	1 \$	s	
901-99.03	POWER CONDUITS POWER CONDUITS	LS	1 \$	\$	
901-99.03	IN-GRADE JUNCTION BOXES	LS	1 \$	Ф e	
901-99.03	POLE LIGHT CONCRETE BASES	LS	1 \$	3	
901-99.03	BOLLARD CONCRETE BASES	LS	1 \$	\$	
50.1-89.03	DOLLAND CONONE IE DAGEG		ıψ	R ELECTRICAL ITEMS) \$	
		TOTAL OTHER (INFR	ASTRUCTURE FUR	LLLCIRICAL IIEMS) \$	
		TOTAL CO	NTRACTOR \$		
		TOTAL CO	TIMETOR \$		

TEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
ROADWAY BID ALTERNAT	E				
502-11.07 CONCRETE PAVEME	NT (7 IN. NON-REINFORCED)	SY	2001.3	3	
cknowledgement: Each bidder shall ack neir signature affixed hereto and addend	= :			Addendum No.(s)	
Contractor:				Phone:	

(please print)

Name:

		ITEMIZED PROI				
	ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
	ROADW	•				1.
		REMOVAL OF IMPROVEMENTS	LS	1 \$		\$
	207-20.00	LINEAR GRADING CLASS 2	STA	7.7 \$		\$
	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	4779.6 \$		\$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	222.8 \$		\$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	222.8 \$		\$
	401-30.00 502-11.08	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.) CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS)	TONS SY	556.3 \$ 202 \$		\$
_	609-10.51	CURB & GUTTER TYPE A	LF	43 \$		Ф e
	609-10.51	CURB & GUTTER TYPE B	LF	1522.3 \$	1	o e
	609-99.03	CURB & GUTTER TYPE C	LF	318 \$		9
_	609-99.03	CURB RAMP CURB & GUTTER	LF	60 \$	1	o e
	609-99.03	DRIVEWAY CURB & GUTTER	LF	39 \$		9
	618-10.00	MOBILIZATION	LF	1 \$		\$
	627-40.00	CONTRACTOR SURVEYING & STAKING	LS	1 \$		\$
	021-40.00	JOHN MOTOR CORVETING & CITATING	Lo	114	TOTAL ROADWAY	\$
	SIGNING	G, STRIPING, SIGNAL, LIGHTING			TOTAL NOADWAT	Ψ
-		4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	2087.137 \$		\$
-		INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)	EA	9 \$		s
_		6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	118 \$		\$
		4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1096 \$		\$
_		SH-FLAT SHEET	SF	102 \$		\$
	903-99.02	SIGN POSTS	EA EA	15 \$		\$
			TOTAL		PING, SIGNAL, LIGHTING	\$
	BIKE/PE	ED FACITILITES				
	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	2137.3		\$
	502-99.07	INTEGRAL RETAINING WALL W/ REINFORCING	CY	23 \$		\$
	608-10.10	CONCRETE CURB RAMP	SY	58.7		\$
	608-10.12	TRUNCATED DOMES	SF	130 \$		\$
	608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)	LF	21 \$		\$
	608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF	644 \$		\$
	608-99.05	CONCRETE SIDEWALK, 6 IN.	SY	2137.3		\$
				TOTA	L BIKE/PED FACITILITES	\$
		APING/STREETSCAPING	T			T.
		SEEDING - COOL SEASON GRASSES	ACRE	0.1 \$		\$
_	806.10.07A	CURB INLET CHECK	EA	2 \$		\$
	TD 4 FF: 0 1	CONTROL		IUTAL LANDSC	APING/STREETSCAPING	\$
	TRAFFIC C	•	I			To .
		CHANNELIZER (CONE)	EA	16 \$		\$
		TYPE 3 MOVEABLE BARRICADE	EA	2 \$		\$
	903-50.04A	SH-FLAT SHEET	SF	90 \$	OTAL TRAFFIC CONTROL	Ф е
_	OTHER	(INFRASTRUCTURE FOR ELECTRICAL ITEMS)		70	JIAL IKAFFIC CONTROL	\$
	901-99.03	LIGHTING CONDUITS	LS	1 \$		s
		POWER CONDUITS POWER CONDUITS	LS	1 \$		s
		IN-GRADE JUNCTION BOXES	LS	1 8		9
		POLE LIGHT CONCRETE BASES	LS	1 \$		e e
	901-99.03	BOLLARD CONCRETE BASES	LS	1 8		9
_	au 1-88.U3	DOLLAND CONONE IE BAGES			OR ELECTRICAL ITEMS)	s

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
ROADW	AY BID ALTERNATE				
502-11.07	CONCRETE PAVEMENT (7 IN. NON-REINFORCED)	SY	2001.3		
Acknowledgement: Each bidder shall acknowledge receipt of addenda by their signature affixed hereto and addendum noted.					
Contractor:	ed hereto and addendum noted.	_		Phone:	
Signature:		="		Date:	

ITEM DESCRIPTION

ITEM NO.

UNITS QUANTITY UNIT PRICE

(please print)

SUBTOTAL

"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 . Executive Order 13658 or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:

- 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 01/03/2025 01/31/2025 1 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

22.40

22.40

```
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,
```

BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MISSISSIPPI, NEW MADRID,

NEWTON, OZARK, POLK, STONE, TANEY, VERNON,

WEBSTER AND WRIGHT COUNTIES.\$ 33.25

BENTON, MORGAN AND PETTIS...\$ 34.98

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

^{*} 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

^{*} 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

^{*} 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

12/8/25, 7:4	8 AM		SAM.gov
G G L L	onstruction: roundman Powderman\$ roundman\$ ineman Operator\$ ineman\$	35.86 1 552.45 1	5%+20.18 5%+25.34 5%+19.34 5%+26.69
BARRY,	BARTON, CEDAR, DADE, JASPER IR, AND VERNON COUNTIES	R, LAWRENCE, MC	DONALD, NEWTON,
		Rates	Fringes
С	icians: able Splicers lectricians\$	32.25	12.19 20.81
* ELEC	0124-007 09/01/2025		
	BENTON, CARROLL, CASS, CLAY N, LAFAYETTE, MORGAN, PETTIS ES:		
		Rates	Fringes
Electr	icians\$ 	54.01	27.85
ELEC0	 257-003 03/01/2025		
CHARIT	N (Except Cuivre Township), ON, COLE, CRAWFORD, DENT, GA , MONITEAU, OSAGE, PHELPS AN	SCONADE, HOWAR	RD, MARIES,
		Rates	Fringes
C	icians: able Splicers\$ lectricians\$	40.50	16.085 23.26
ELEC0	350-002 12/01/2024		
MACON,	AUDRAIN (East of Highway 19 MARION, MONROE, MONTGOMERY, ER, SCOTLAND, SHELBY AND SUL	PIKE, PUTNAM,	RALLS,
		Rates	Fringes
Electr	icians\$		22.145
ELECO	453-001 09/01/2024		
		Rates	Fringes
C D H O W	icians: HRISITAN, DALLAS, OUGLAS, GREENE, HICKORY, OWELL, LACLEDE, OREGON, ZARK, POLK, SHANNON, EBSTER and WRIGHT COUNTIES.\$ ULASKI and TEXAS COUNTIES\$		19.11 19.84

19.84

https://sam.gov/wage-determination/MO20250001/11

PULASKI and TEXAS COUNTIES..\$ 39.70

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 Groundman-Equipment	29%+8.85
Operator Class II (all other equipment)\$ 46.49 Heavy-Equipment Operator Class I (all crawler type	29%+8.85
equipment D-4 and larger)\$ 52.13 Lineman\$ 74.55	29%+8.85 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

I	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:		
	4F 0C	20.06
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 (selfpropelled); 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 4.00 per foot to maximum of .50 Crane, using rock socket tool 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

* 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

Fringes Rates 31.65 Ironworker....\$ 44.27

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 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		29.51 24.12

LAB00042-003 06/04/2025

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Plumber Laborer	.\$ 40.82	17.56
LAB00042-005 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	

^{*} LAB00110-005 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

.....

LAB00579-005 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		16.59 16.59
WRIGHT COUNTIES) GROUP 1	\$ 28.78	15.60 15.60 15.85 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.

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;

^{*} LAB00660-004 05/01/2025

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

.....

LAB00660-006 06/02/2025

Lincoln, Montgomery, St Charles and Warren Counties

	Rates	Fringes
LABORER (Common or General) Lincoln, Monntomery, and	\$ 36.91	15.62
Warrner Counties	\$ 39.76	15.96
St. Charles County	\$ 41.18	15.96

^{*} LAB00662-001 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

LAB00663-002 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.

* LAB00840-011 05/01/2025

Crawford, Dent, Franklin, Gasconade, Howell, Maries, Oregon, Osage, Phelps, Pulaski, Shannon and Texas Counties

ı	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

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

^{*} LAB00955-012 05/01/2025

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

* LAB01104-005 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\$ 37.2	25 15.9 6
GROUP	2\$ 37.2	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

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
Paperhanging Epoxy or Any Two Part Coating; Sandblasting;	.\$ 26.49	15.03
Stage or other Aerial Work - Platforms over 50 feet		
high; Lead Abatement Spray; Structural Steel	.\$ 27.49	15.03
(over 50 feet) Tapers using Ames or	.\$ 27.49	15.03
Comparable Tools	.\$ 27.24	15.03

PAIN0003-004 04/01/2019

CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES

Rate	es F	ringes
Painters: Bridgeman; Lead Abatement; Sandblast; Storage Bin & Tanks	.41 .54 .74 .04	17.76 17.76 17.76 17.76 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		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 Floor Work Lead Abatement	.\$ 34.90	17.21 17.21 17.21
SprayStructural Steel, Sandblasting and All Tank	.\$ 34.90	17.21
Work		17.21 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 Spray & Abrasive Blasting Waterblasting (over 5000		17.65
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 Spray & Abrasive Blasting; Waterblasting (Over 5000	\$ 30.95	17.65
PSI)	\$ 32.95	17.65
Height Rates (All Areas): Over 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

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
DI 160510 007 01/01/0005		

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

PLAS0527-001 04/01/2023		
	Rates	Fringes
CEMENT MASON FRANKLIN, LINCOLN AND WARREN COUNTIES JEFFERSON, ST. CHARLES COUNTIES AND ST.LOUIS	\$ 37.29	20.23
(City and County)		20.13
PLAS0527-004 06/01/2023		
CRAWFORD, DENT, IRON, MADISON RALLS, REYNOLDS, ST. FRANCOIS WASHINGTON COUNTIES		
	Rates	Fringes
CEMENT MASON	· · · · · · · · · · · · · · · · · · ·	19.72
PLAS0908-001 05/01/2025		
BOLLINGER, BUTLER, CAPE GIRARI MISSISSIPPI, NEW MADRID, OREGO SCOTT, STODDARD, AND WAYNE COU	ON, PEMISCOT, F	
	Rates	Fringes
CEMENT MASON	\$ 35.10	18.78
CEMENT MASON PLUM0008-003 06/01/2024	\$ 35.10	18.78
PLUM0008-003 06/01/2024		
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON,	AND PLATTE COURates	UNTIES Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON,	AND PLATTE COURates	UNTIES Fringes
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON,	AND PLATTE COURates\$ 56.63\$ MARAYETTE, MC	UNTIES Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON, Plumbers	AND PLATTE COURates\$ 56.63\$ MARAYETTE, MC	UNTIES Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON, Plumbers PLUM0008-017 06/01/2024 BATES, BENTON, CARROLL, HENRY ST. CLAIR, SALINE AND VERNON	AND PLATTE COURates\$ 56.63\$ COUNTIES Rates\$ 56.63	Fringes 24.54 ORGAN, PETTIS, RAY, Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON, Plumbers PLUM0008-017 06/01/2024 BATES, BENTON, CARROLL, HENRY, ST. CLAIR, SALINE AND VERNON	AND PLATTE COURates\$ 56.63\$ COUNTIES Rates\$ 56.63	Fringes 24.54 ORGAN, PETTIS, RAY, Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON, Plumbers PLUM0008-017 06/01/2024 BATES, BENTON, CARROLL, HENRY ST. CLAIR, SALINE AND VERNON Plumbers	AND PLATTE COURATES\$ 56.63\$ COUNTIES Rates\$ 56.63	Fringes 24.54 ORGAN, PETTIS, RAY, Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON, Plumbers PLUM0008-017 06/01/2024 BATES, BENTON, CARROLL, HENRY ST. CLAIR, SALINE AND VERNON Plumbers PLUM0045-003 08/01/2024 ANDREW, ATCHISON, BUCHANAN, CARROLL, BUCHANAN, BUCHAN	AND PLATTE COURATES\$ 56.63\$ COUNTIES Rates\$ 56.63	Fringes 24.54 ORGAN, PETTIS, RAY, Fringes 24.54

BARRY, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, LACLEDE, LAWRENCE, POLK, STONE, TANEY, WEBSTER AND

WRIGHT COUNTIES

BARTON, JASPER, MCDONALD AND NEWTON COUNTIES

	Rates	Fringes	
Plumbers and Pipefitters			
Projects \$750,000 & unde	er\$ 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.

	Kates	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)	¢ 25 04	45.05
GROUP 1	•	15.85
GROUP 2		15.85
GROUP 3		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		15.85
GROUP 3		15.85
GROUP 4		15.85
Truck drivers (FRANKLIN,		13.03
JEFFERSON and ST. CHARLES		
COUNTIES)		
GROUP 1	.\$ 38.93	15.85
GROUP 2		15.85
GROUP 3		15.85
GROUP 4	•	15.85
Truck drivers (LINCOLN and		
WARREN COUNTIES)		
GROUP 1	.\$ 37.58	15.85
GROUP 2		15.85
GROUP 3		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

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	.\$ 36.43 .\$ 36.42	15.85 15.85 15.85 15.85
GROUP 1	.\$ 35.70 .\$ 35.69	15.85 15.85 15.85 15.85
GROUP 1	.\$ 36.04 .\$ 36.08	15.75 15.75 15.75 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 semitrailer; 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 GROUP 2 GROUP 3	\$ 37.83	9.85+a+b+c 9.85+a+b+c 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.

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 $% \left(1\right) =\left(1\right) \left(1$

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.

END OF GENERAL DECISION"

QUANTI	TIES - PHASE 1 SECOND ST		
ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
ROA	DWAY		
202-20.10	REMOVAL OF IMPROVEMENTS	LS	1
207-20.00	LINEAR GRADING CLASS 2	STA	7.7
304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	2,642.3
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN!)	PAROT	222.8
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	222.8
401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.)	TONS	556.3
502-11.08	CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS)	SY	202.0
609-10.51	CURB & GUTTER TYPE A	LF	43
609-10.52	CURB & GUTTER TYPE B	LF	1,522
609-99.03	CURB & GUTTER TYPE C	LF	318
609-99.03	CURB RAMP CURB & GUTTER	LF	60
609-99.03	DRIVEWAY CURB & GUTTER	LF	39
618-10.00	MOBILIZATION	LS	1
627-40.00	CONTRACTOR SURVEYING & STAKING	LS	1
SIGI	VING, STRIPING, SIGNAL, LIGHTING		
620-60.00D	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	2,087
620-99.02	INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)	EA	9
620-99.03	6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	118
620-99.03	4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1,096
903-50.04A	SH-FLAT SHEET	SF	102
903-99.02	SIGN POSTS	EA	15
BIKE	REDFACIFILITES	~~~	
	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	2,137.3
502-99.07	INTEGRAL RETAINING WALL WY REINFORCING	CY	23.0
608-10.10	CONCRETE CURB RAMP	SY	58.7
608-10.12	TRUNCATED DOMES	SE	130
608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)	LF	21
608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF	632
608-99.05	CONCRETE SIDEWALK, 6 IN.	SY	2,137.3
LAN	DSCAPING/STREETSCAPING		
	SEEDING - COOL SEASON GRASSES	ACRE	0.1
806.10.07A	CURB INLET CHECK	EA	2
TRAF	FIC CONTROL		
	CHANNELIZER (CONE)	EA	16
	TYPE 3 MOVEABLE BARRICADE	EA	2
	SH-FLAT SHEET	SF	90
		I	

GENERAL NOTES

2705.1

SY

DESIGN SPECIFICATIONS:

2011 AASHTO ROADSIDE DESIGN GUIDE, 4TH EDITION

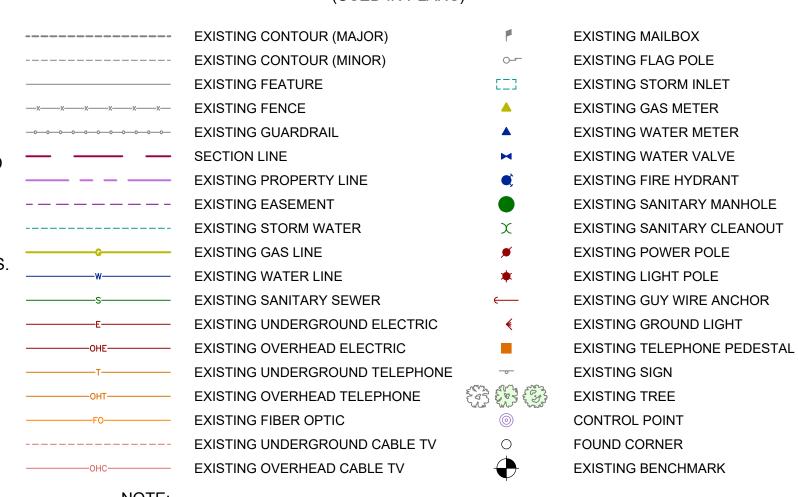
CONSTRUCTION SPECIFICATIONS:

MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2025 EDITION

MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION. 2025 EDITION NOTES:

- 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.
- THE CONTRACTOR MUST COORDINATE CONSTRUCTION WITH THE NECESSARY AUTHORITIES.
- NO WORK SHALL COMMENCE UNTIL ALL NECESSARY PERMITS ARE OBTAINED BY THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINE AND GRADE STAKES
- 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
- 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.
- 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
- 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
- 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)



ABBREVIATION TABLE

DASHED OR SCREENED SYMBOL INDICATES EXISTING FEATURE.

BC:	BACK OF CURB
Ę	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
凡	PROPERTY LINE
PR.	PROPOSED
R/W	RIGHT-OF-WAY
OT 4	OTATION

STA: STATION TEMPORARY BENCHMARK

TEMPORARY CONSTRUCTION EASEMENT **TEMPORARY**

TYP. **TYPICAL**

UNITS QUANTITY ITEM NO. ITEM DESCRIPTION ROADWAY BID ALTERNATE

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.

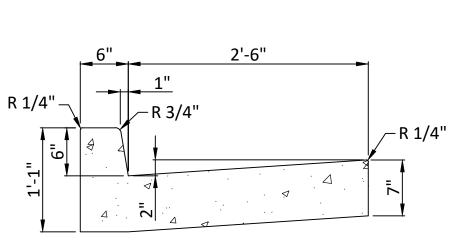
REFER TO ELECTRICAL PLAN SHEETS FOR ELECTRICAL EQUIPMENT RACK DETAILS -GROUND ROD, ELECTRICAL UTILITY METER (PROVIDED BY CITY), ELECTRICAL PANEL BOARD, LIGHTING CONTROL PANEL AND ANY OTHER ITEMS NECESSARY FOR THE ELECTRICAL EQUIPMENT RACK ARE SUBSIDIARY TO THE ELECTRICAL EQUIPMENT RANK

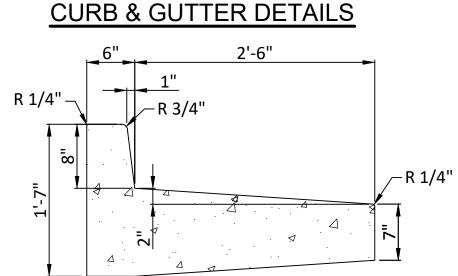
ANY ITEMS NOT SHOWN IN THE QUANTITIES SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS.

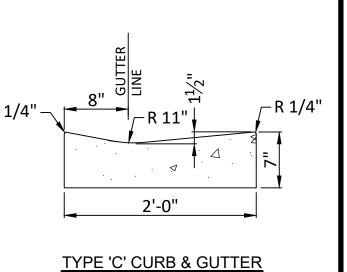
502-11.07 | CONCRETE PAVEMENT (7 IN. NON-REINFORCED)

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.

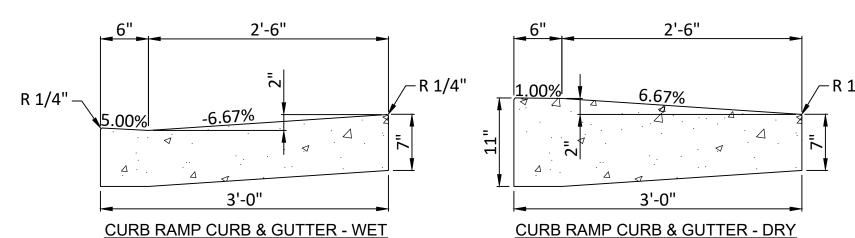






TYPE 'A' CURB & GUTTER - MODIFIED

TYPE 'B' CURB & GUTTER - DRY



CURB RAMP CURB & GUTTER - DRY

ON PROPERTY. <u></u>□ <u>U</u> 6

✓ GREGORY SCOTT PARKER NUMBER YO\ PE-2025008037

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:
 - 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
 - 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, Latayette County, Missouri

 Revised "Federal Prevailing Wage MO20250001 Modification 7, 07/18/2025" with "Federal Prevailing Wage MO20250001 11/21/2025 MOD 11, 11/21/2025"

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"

- g. Electrical Construction Responsibilities
 - i. A table of responsibilities for electrical construction is shown on plan sheet E603 for each project

1

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
 - v. Signature and Identity of Bidder (Bage 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
 - 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

tandalone documents will not be required,

as stated in section (6) Certification for

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.

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.	Idecaigny@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(440)

City Of Odessa Odessa, Missouri

REQUEST FOR BID

BID OF

Bidder Name	 		
Bidder Address_			

FOR CONSTRUCTING OR IMPROVING

Odessa 2nd Street Sidewalk, Ramps, & Street Improvements Phase I

> 228 S. 2nd Street Odessa, MO 64076 Lafayette County

TAP-9901(440)

City of Odessa Odessa, Missouri

CONTRACT

BOND

FOR

CONSTRUCTING OR IMPROVING

Odessa 2nd Street Sidewalk, Ramps, & Street Improvements Phase I

> 228 S. 2nd Street Odessa, MO 64076 **Lafayette County**

PREPARED BY:





Engineering beyond.™

8455 College Boulevard, Overland Park, KS 66210 816-777-0400

October 2025

Odessa 2nd Street Sidewalk, Ramps, & Street Improvements Phase I Invitation to Bid

SEALED BIDS for construction of <u>City of Odessa Sidewalks Improvements, TAP-9901(440)</u>, <u>Odessa, Missouri will be received by the <u>City of Odessa, 228 S. 2nd Street, Odessa Missouri 64076</u> until 2:00 p.m. prevailing local time, <u>December 18, 2025</u>, and then publicly opened and read aloud at the <u>City of Odessa, 228 S. 2nd Street, Odessa, Missouri 64076</u>.</u>

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

Project TAP-9901(440) may be bid as an individual project or as a package bundle with TAP-9901(443). 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(440) and TAP-9901(443) 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 <u>mgibler@weareown.com</u> 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 <u>City of Odessa</u> 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 <u>0%</u>.

BIDDER CHECKLIST FINAL CHECKLIST BEFORE SUBMITTING BID

Ц	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)
	Below is a list of common mistakes made by bidders leading to non-responsive bids. Please refer to the Standard Specifications for the appropriate procedures for completing and submitting a bid. a) Not signing the bid b) Not incorporating the addendum into the bidding documents, including attaching the letter to the bid c) Not providing a bid bond d) Using pencil to fill out the bid e) Using white out to make corrections to the itemized bid sheets f) Not initialing changes made
	All questions concerning the hid document preparation can be directed to Mitch Gibler OWN. Inc. (816) 777-0400

All questions concerning the bid document preparation can be directed to Mitch Gibler, OWN, Inc., (816) 777-0400. Project specific questions can be directed to Mitch Gibler, OWN, Inc., (816) 777-0400.

<u>Special Needs:</u> If you have special needs addressed by the Americans with Disabilities Act, please notify the City of Odessa, at 816-230-5577 or through Missouri Relay System, TDD 1-800-735-2966, at least five (5) working days prior to the bid opening.

TABLE OF CONTENTS

Notice to Contractors

Proposed Work(1)
Compliance With Contract Provisions(2)
Period of Performance(3)
Liquidated Damages(4)
Bid Guaranty(5)
Certifications for Federal Jobs(6)
Antidiscrimination(7)
Federal and State Inspection(8)
Prevailing Wage(9)
Worker Eligibility Requirements(10)
OSHA Training Requirements(11)
Buy America Requirements(12)
Addendum Acknowledgement(13)
Signature and Identity of Bidder(14)
Trainees(15)
Subcontractor Disclosure(16)
Project Award(17)
Materials Inspections(18)
Tax Exempt Status(19)

Itemized Bid Sheets

Bid Bond

Bidder's List Quote Summary Form (Fig. 136.9.12)

DBE Identification Submittal (Fig. 136.9.9)

DBE Provisions (Fig. 136.9.8)

Job Special Provisions

Form FHWA 1273 (Fig. 136.9.7)

Federal Aid Provisions provided within>

Applicable State Wage Rates

Applicable Federal Wage Rates

Applicable Environmental and Cultural Permits and Clearances

ADA Checklist (Fig. 136.9.4)

Contract Forms

Fig 136.10.3 Sample Contract Agreement

Fig 136.10.4 Sample Contract Bond

Fig 136.10.5 Sample Contractors Acknowledgement

Notice of Award

Notice to Proceed

Contractor's Affidavit Regarding Settlement of Claims

Affidavit of Compliance With the Prevailing Wage Law

NOTICE TO CONTRACTORS

Sealed bids, addressed to the <u>City of Odessa, 228 S. 2nd Street, Odessa Missouri 64076</u> 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 <u>City of Odessa, 228 S. 2nd Street, Odessa Missouri 64076</u> and at that time will be publicly opened. Bids should be delivered to: the <u>City of Odessa, 228 S. 2nd Street, Odessa Missouri 64076</u>.

(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) <u>COMPLIANCE WITH CONTRACT PROVISIONS:</u> 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) <u>PERIOD OF PERFORMANCE</u>: 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) <u>LIQUIDATED DAMAGES</u>: 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 meetin	g the requirements of	of Section 102
of the Missouri	Standard Specification	s for Highway Construction (if	applicable). A s	sample project bid be	ond form is
included in the b	oid book. The bidder s	hall mark the box below to ide	ntify the type of I	Bid Guaranty.	

Paper Bid Bond
Cashier's Check

- (6) <u>CERTIFICATIONS FOR FEDERAL JOBS</u>: 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) <u>ANTIDISCRIMINATION:</u> 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) <u>FEDERAL AND STATE INSPECTION:</u> 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.

- 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) <u>ADDENDUM ACKNOWLEDGEMENT:</u> 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.

is correct and that (if not	signing with the intention to	bind themselves to become the re	sponsible and sole bidder) they are			
the agent of, and they are signing and executing this, as the bid of						
correct LEGAL NAME a	as stated on the contractor qu	lestionnaire	, which is the			
a) The organiza	ation submitting this bid is a	(n) (1) individual bidder, (2) partr	nership, (3) joint venturer (whether corporation. Indicate by marking			
sole individ	ual	partnership	joint venture			
corporation, i	ncorporated under laws of s	tate of	·			
b) If the bidder	is doing business under a fig	ctitious name, indicate below by fi	illing in the fictitious name			
Executed by bidder this _	day of	20				
DIRECTLY NOR INDIR OTHERWISE TAKEN AN AND THAT THE BIDD	ECTLY ENTERED INTO Y ACTION IN RESTRAINT O ER INTENDS TO PERFOR	ANY AGREEMENT, PARTICIPA OF FREE COMPETITIVE BIDDING	ID EMPLOYEES HAVE NEITHER TED IN ANY COLLUSION, OR IN CONNECTION WITH THIS BID, N BONAFIDE EMPLOYEES AND TOR.			
PERJURY UNDER THE MISSOURI, AND ANY	LAWS OF THE UNITED SOTHER APPLICABLE STA	STATES AND/OR FALSE DECLA	XECUTED UNDER PENALTY OF RATION UNDER THE LAWS OF E FAILURE TO PROVIDE THIS IT TO BE REJECTED.			
AUTHORIZED TO WORK	IN THE UNITED STATES II	N ACCORDANCE WITH APPLICA	S ONLY INDIVIDUALS WHO ARE BLE FEDERAL AND STATE LAWS ACTS WITH THE CONTRACTING			
	his box ONLY if the bidder RI anation for the refusal(s) with the		pertifications. The bidder may provide			
Signature of Bidder's Ow	vner, Officer, Partner or Aut	horized 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) <u>TRAINEES</u>: 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 <u>0</u> slots at 1000 hours per slot or <u>0</u> hours.

- (16) <u>SUBCONTRACTOR DISCLOSURE</u>: 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) <u>MATERIALS INSPECTIONS</u>: 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) <u>SALES AND USE TAX EXEMPTION:</u> 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(440) 2ND STREET ODESSA, MO ONLY

	ITEMIZED PROP				
TEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
ROADI	•				•
202-20.10	REMOVAL OF IMPROVEMENTS	LS	1 3		\$
207-20.00	LINEAR GRADING CLASS 2	STA	7.7		\$
304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	4779.6		\$
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	222.8		\$
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	222.8		\$
401-30.00 502-11.08	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.) CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS)	TONS	556.3 S		\$
					\$
609-10.51	CURB & GUTTER TYPE A	LF LF	43 9		\$
609-10.52	CURB & GUTTER TYPE B		1522.3		\$
609-99.03	CURB & GUTTER TYPE C	LF	318		\$
609-99.03	CURB RAMP CURB & GUTTER	LF	60 \$		\$
609-99.03	DRIVEWAY CURB & GUTTER	LF	39 \$	5	\$
618-10.00	MOBILIZATION	LS	1 3		\$
627-40.00	CONTRACTOR SURVEYING & STAKING	LS	1 5	TOTAL ROADWAY	\$
CICAUA	IC CTRIPING CICNAL LIGHTING			TOTAL RUADWAY	\$
	IG, STRIPING, SIGNAL, LIGHTING	l ie	0007.407		•
20-60.00D	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	2087.137		\$
620-99.02	INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)	EA	9 9	·	\$
620-99.03	6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	118		\$ e
620-99.03	,	LF	1096		\$
03-50.04A	SH-FLAT SHEET	SF	102 \$		\$
903-99.02	SIGN POSTS	EA	15	PING, SIGNAL, LIGHTING	\$
DIVE/D	ED FACITILITES	TOTAL	. SIGNING, STRI	PING, SIGNAL, LIGHTING	\$
304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	2427.2	,	¢.
	,		2137.3		\$
502-99.07	INTEGRAL RETAINING WALL W/ REINFORCING	CY	23 5		\$
608-10.10	CONCRETE CURB RAMP	SY	58.7		\$
608-10.12	TRUNCATED DOMES	SF	130		\$
608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)	LF	21 9		\$
608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF	644 \$		\$
608-99.05	CONCRETE SIDEWALK, 6 IN.	SY	2137.3		\$
LANDCO	APING/STREETSCAPING		1012	AL BIKE/PED FACITILITES	\$
05-10.00A	SEEDING - COOL SEASON GRASSES	ACRE	0.4	,	¢.
			0.1		\$
306.10.07A	CURB INLET CHECK	EA	2 5		\$ \$
TDAFFIC	CONTROL		TOTAL LANDSC	APING/STREETSCAPING	\$
		FA	40	. 1	•
616-10.22	CHANNELIZER (CONE) TYPE 3 MOVEABLE BARRICADE	EA EA	16 5		\$ \$
616-10.30 903-50.04A	SH-FLAT SHEET	SF			Ф С
03-00.U4A	OFFICE OFFICE) 5F	90	OTAL TRAFFIC CONTROL	φ ¢
OTUE	(INFRASTRUCTURE FOR ELECTRICAL ITEMS)			UTAL TRAFFIC CONTROL	φ
	,	1 10	ı la	, 1	¢
901-99.03	LIGHTING CONDUITS	LS	1 5	,	φ •
901-99.03	POWER CONDUITS	LS	1 1		ф Ф
901-99.03	IN-GRADE JUNCTION BOXES	LS	1 5		ф Ф
901-99.03	POLE LIGHT CONCRETE BASES	LS	1 5	,	\$ e
901-99.03	BOLLARD CONCRETE BASES	LS TOTAL OTHER (NEED	1 5	OD EL FOTBIOAL ITEMS	\$
		IOIAL OIHER (INFR	ASTRUCTURE	OR ELECTRICAL ITEMS)	\$
		TOTAL CO	NTBACTOR '		
		TOTAL CO	NTRACTOR S	•	

			~~	·····	
ROADW	AY BID ALTERNATE			•	
502-11.07	CONCRETE PAVEMENT (7 IN. NON-REINFORCED)	SY	2001.3		

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(440)

2ND STREET ODESSA, MO

&

TAP-9901(443)

MASON STREET ODESSA, MO

THE CONTRACTOR MUST FILL OUT THE MATCHING BID FORM IN THE PROJECT MANUAL FOR TAP-9901(440)

		ITEMIZED PROI				
	ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
	ROADW	•				1.
		REMOVAL OF IMPROVEMENTS	LS	1 \$		\$
	207-20.00	LINEAR GRADING CLASS 2	STA	7.7 \$		\$
	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	4779.6 \$		\$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	222.8 \$		\$
	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	222.8 \$		\$
	401-30.00 502-11.08	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.) CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS)	TONS SY	556.3 \$ 202 \$		\$
_	609-10.51	CURB & GUTTER TYPE A	LF	43 \$		Ф e
	609-10.51	CURB & GUTTER TYPE B	LF	1522.3 \$	1	o e
	609-99.03	CURB & GUTTER TYPE C	LF	318 \$		9
_	609-99.03	CURB RAMP CURB & GUTTER	LF	60 \$	1	o e
	609-99.03	DRIVEWAY CURB & GUTTER	LF	39 \$		9
	618-10.00	MOBILIZATION	LF	1 \$		\$
	627-40.00	CONTRACTOR SURVEYING & STAKING	LS	1 \$		\$
	021-40.00	JOHN MOTOR CORVETING & CITATING	Lo	114	TOTAL ROADWAY	\$
	SIGNING	G, STRIPING, SIGNAL, LIGHTING			TOTAL NOADWAT	Ψ
-		4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	2087.137 \$		\$
-		INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)	EA	9 \$		s
_		6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	118 \$		\$
		4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1096 \$		\$
_		SH-FLAT SHEET	SF	102 \$		\$
	903-99.02	SIGN POSTS	EA EA	15 \$		\$
			TOTAL		PING, SIGNAL, LIGHTING	\$
	BIKE/PE	ED FACITILITES				
	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	2137.3		\$
	502-99.07	INTEGRAL RETAINING WALL W/ REINFORCING	CY	23 \$		\$
	608-10.10	CONCRETE CURB RAMP	SY	58.7		\$
	608-10.12	TRUNCATED DOMES	SF	130 \$		\$
	608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)	LF	21 \$		\$
	608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF	644 \$		\$
	608-99.05	CONCRETE SIDEWALK, 6 IN.	SY	2137.3		\$
				TOTA	L BIKE/PED FACITILITES	\$
		APING/STREETSCAPING	T			Τ.
		SEEDING - COOL SEASON GRASSES	ACRE	0.1 \$		\$
_	806.10.07A	CURB INLET CHECK	EA	2 \$		\$
	TD 4 FF: 0 1	CONTROL		IUTAL LANDSC	APING/STREETSCAPING	\$
	TRAFFIC C	•	I			To .
		CHANNELIZER (CONE)	EA	16 \$		\$
		TYPE 3 MOVEABLE BARRICADE	EA	2 \$		\$
	903-50.04A	SH-FLAT SHEET	SF	90 \$	OTAL TRAFFIC CONTROL	Ф е
_	OTHER	(INFRASTRUCTURE FOR ELECTRICAL ITEMS)		70	JIAL IKAFFIC CONTROL	\$
	901-99.03	LIGHTING CONDUITS	LS	1 \$		s
		POWER CONDUITS POWER CONDUITS	LS	1 \$		s
		IN-GRADE JUNCTION BOXES	LS	1 8		9
		POLE LIGHT CONCRETE BASES	LS	1 \$		e e
	901-99.03	BOLLARD CONCRETE BASES	LS	1 8		9
_	au 1-88.U3	DOLLAND CONONE IE BAGEG			OR ELECTRICAL ITEMS)	s

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	SUBTOTAL
ROADW	AY BID ALTERNATE				
502-11.07	CONCRETE PAVEMENT (7 IN. NON-REINFORCED)	SY	2001.3		
Acknowledgement: Each bidder shall acknowledge receipt of addenda by				Addendum No.(s)	
their signature affixed hereto and addendum noted. Contractor:		_		Phone:	
Signature:		="		Date:	

ITEM DESCRIPTION

ITEM NO.

UNITS QUANTITY UNIT PRICE

(please print)

SUBTOTAL

BID BOND KNOW ALL PERSONS BY THESE PRESENTS, that we

as min singles	1
	eld and firmly bound unto the City of Odessa
in the penal su	m of
principal and s firmly by these	Dollars (\$) to be paid to the commission to be credited to the state road fund, the urety binding themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally 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)
in	Lafayette County(ies),
project (s)	Lafayette County(ies), 2nd Street Historic Downtown District Improvements
	action or improvement of state highway as set out in said bid; OW THEREFORE, if the commission shall accept the bid of the principal and if the principal shall properly
execute and de requirements o	liver to the commission the contract, contract bond, and evidence of insurance coverage in compliance with the fine bid, the specifications, and the provisions of section 227.100 RSMo, to the satisfaction of the commission ation shall be void and of no effect, otherwise to remain in full force and effect.
set forth in the	the event the said principal shall, in the judgment of the commission, fail to comply with any requirement a preceding paragraph, then the state of Missouri, acting by and through the commission, shall immediately and titled to recover the full penal sum above set out, together with court costs, attorney's fees, and any other expenses.
	he principal and surety hereby certify that the document is the original or a verbatim copy of the bid bond form e Commission, in accordance with Sec 102.9 of the Missouri Standard Specifications for Highway Construction
	Principal
SEAL	Ву
	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.

Bidder's List Quote Summary

MoDOT and its subrecipients are recipients of federal funds and are required by 49 CFR 26.11, to provide data about its DBE program. The information listed below shall include the names of subcontractors, material suppliers, and service providers (e.g. hauling) and the corresponding NAICS codes for each firm, which may be obtained by using the search function at the following link: https://www.census.gov/naics/. Lastly, indicate if the firm's quote was used in the bid by Y or N. Additional sheets may be used. This information must be submitted with the bid.

<u>Subcontractors, Material Suppliers, and Service</u> <u>Providers (e.g. Hauling) Used & Quoted</u>	NAICS Code(s)	<u>Used</u> (Y/N)
Contractor Name:		
Contractor rame.		
Contractor Signature:	Date:	

DBE Submittal Forms - LPA

<u>DBE Submittal Forms</u>: This form must be submitted by 4 p.m. three (3) business days after bid opening.

(6)

You may also use the Excel version located at: https://epg.modot.org/forms/CM/DBE_Identification_Submittal_Form_LPA_Excel.xlsm			
(A) <u>DBE Contract Goal</u> : By submitting this with the DBE Program Requirements in this contract. The awarded is 0 % of the total federal project price. The bidd accordance with the program requirements.			
(B) <u>DBE Participation</u> : The bidder certifies t	hat it will utilize DBE's as follows:		
0 % OF TOTAL FEDERAL CONTRAC	СТ		
NOTE: Bidder must fill in the above blank. If no it agrees to, and will comply with the contract gos specified, then the bidder must submit complete DBE contract goal, immediately below.	al. If a percentage below the contract goal is		
(C) <u>Certification of Good Faith Efforts to Obtain</u> the bidder certifies under penalty of perjury and other p following steps to try to obtain sufficient DBE participat Contract Goal: (Attach additional sheets if necessary).			

DBE Identification Submittal Form

(For Local Program Agency (LPA) Projects)

Route:					
County: La	afavette				
ne Contracto		Contra	Contract Amount:		
Submit thi MoDOT's completion	tion of Participating DBE's: Provides information with your bid or no late Business Development and Compliant. This page of this document must stributor Affirmation Form is required.	ter than 4:00 p.m. on the 3 rd b ance (BDC) Division at (573) t be received for each DBE	usiness day after the bid 526-2978 for questions utilized on the project.	opening. Contact and assistance on A DBE Regular	
All inform	ation must be provided.				
	the contract for this project, the und shown below:	lersigned will use the followi	ng DBE to perform or fi	urnish the work, supplies, an	
E 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 (BxC)	(E) Percent of total contract amount for line item (D / total contract amount	
		DBE Tota	ıl:	Total %	
Trucking serv Allowed amo Supplier Affi Brokered serv	seed contract amount for given item of work vices credited at 100% if the DBE owns the trount of participation will be in accordance wit rmation Form required for all DBE firms subvices will only receive credit for fees. ly submitted:	h 49 CFR Part 26.			
Com	pany Name (Prime Contractor)		Name / Tit	ile	

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 <u>Supplier Affirmation Form</u> is required for <u>each</u> 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.



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:				
uthorized DBE Representative (Name and Title):	NAICS Code(s) Related to the Items to be Sold/Leased:				
I. Will all items sold or leased be provided from the on-hand inv (If "YES," you have indicated that your performance will sat be counted at 60%. STOP here. Read and sign the affirmati	tisfy the regular dealer requirements and may				
 a) Are you selling bulk items (e.g., petroleum products, steel, typically stocked due to their unique characteristics (aka s TES NO (If "YES," Go to Question 2. If "NO 					
,	rom the inventory maintained at your establishment, and will the minor e of the general character as those provided from your inventory?				
· · · · · · · · · · · · · · · · · · ·	that your performance will satisfy the regular dealer requirements and Phere. Read and sign the affirmation below.				
*If 1.,1.a), and 1. b) above are "NO," your performance on the therefore, only the value of items to be sold or leased from inv determine if the items delivered from and by other sources are	ventory can be counted at 60%. (Go to Question 3. to				
2. Will you deliver all bulk or specialty items using distribution ed	quipment you own (or under a long-term lease) and operate?				
(If "YES," you have indicated that your performance will sat counted at 60%. STOP here. Read and sign the affirmation	tisfy the requirements for a regular dealer of bulk items and may be <u>below.</u>)				
If "NO," your performance will not satisfy the requirement be sold or leased cannot be counted at 60%. (Go to Question)					
Will the written terms of your purchase order or bill of lading damage, to your company at the point of origin (e.g. a manufacture)	from a third party transfer responsibility, including risk for loss or cture's facility)?				
a) Will you be using sources other than the manufact	curer (or other seller) to deliver or arrange delivery of the items				
sold or leased?	\square YES ² \square NO ³				
² If your responses to 3 and 3.a) are "YES," you have indicate	ed that your performance will satisfy the requirements of a distributor;				
therefore, the value of items sold or leased <u>may</u> be counted a					
³ If you responded "NO" to either 3 or 3.a), counting of y charged, including transportation charges for the delivery of	our participation is limited to the reasonable cost of fees or commission materials or supplies; the cost of materials or supplies may not be counted.				
be consistent with the above responses. I further affirm that my con					

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.

Fig 136.9.8 -1 - April 2025

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,

Fig 136.9.8 - 2 - April 2025

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

Fig 136.9.8 - 3 - April 2025

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

Fig 136.9.8 - 4 - April 2025

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.

Fig 136.9.8 - 5 - April 2025

- (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

Fig 136.9.8 - 6 - April 2025

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.

Fig 136.9.8 - 7 - April 2025

GENERAL SPECIAL PROVISIONS – TABLE OF CONTENTS

General Special Provisions

Section DIVISION 100

105	Control of Work
106	Control of Material
108	Prosecution and Progress
109	Measurement and Payment

Section DIVISION 200

202.30 Removal of Improvement for Roadway Contracts

Section DIVISION 500 501 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.

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.

<u>SECTION 108</u> - <u>PROSECUTION AND PROGRESS</u>

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.

GRADING AND REMOVALS

<u>SECTION 202.30</u> – <u>REMOVAL OF IMPROVEMENTS FOR ROADWAY CONTRACTS.</u>

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

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.

MATERIAL DETAILS

<u>SECTION 1036</u> – <u>REINFORCING STEEL FOR CONCRETE</u>

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
- E. UTILITIES
- F. DRIVEWAY ENTRANCE CONSTRUCTION
- G. DISPOSAL OF MATERIAL
- H. LINEAR GRADING
- I. GENERAL
- J. SUPPLEMENTAL REVISIONS JSP-18-01AB
- K. LINEAR GRADING
- L. ADA MATERIAL TESTING FREQUENCY MODIFICATIONS
- M. REMOVAL OF IMPROVEMENTS (LUMP SUM)
- N. TRAFFIC CONTROL PROVISIONS
- O. MOBILIZATION (LUMP SUM)
- P. CONTRACTOR SURVEYING AND STAKING (LUMP SUM)
- Q. LIGHTING CONDUITS (LUMP SUM)
- R. POWER CONDUITS (LUMP SUM)
- S. IN-GRADE JUNCTION BOXES (LUMP SUM)
- T. POLE LIGHT CONCRETE BASES (LUMP SUM)
- U. BOLLARD CONCRETE BASES (LUMP SUM)
- V. REQUIRED COMBINATION OF CALLS
- W. RETAINAGE
- X. 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-13-01C

- **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(440)	120	\$2,300
TAP-9901(443)	120	\$1,800

- **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 **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:

$\underline{https://www.modot.org/forms\text{-}contractor\text{-}use}$

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 REQUIREMENTS

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

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

CITY OF ODESSA SEWER/WATER Andrea Johns (816-230-5577) 125 S 2nd Street, Odessa, MO 64076 816-633-4662

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.

None anticipated, however, utility locations and potential conflicts shall be field verified.

None anticipated, however, utility locations and potential conflicts shall be field verified.

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. 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.

I. 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.

J. SUPPLEMENTAL REVISIONS JSP-18-01DD

Compliance with <u>2 CFR 200.216 – Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment.</u>

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).

- **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 Offsite 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.

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.

Pavement Marking Paint Requirements for Standard Waterborne and Temporary

- **1.0 Description.** High Build acrylic waterborne pavement marking paint shall be used in lieu of standard acrylic waterborne pavement marking paint for all Standard Waterborne Pavement Marking Paint items and all Temporary Pavement Marking Paint items. Paint thickness, bead type, bead application rate, retroreflectivity requirements, and all other specifications shall remain as stated in the Missouri Standard Specifications for Highway Construction, except as otherwise amended in the contract documents.
- **2.0 Material Requirements.** Material requirements for Sec 620.20.2.5 Standard Waterborne Paint, and Sec 620.10.2 Temporary Pavement Marking Paint shall be per Sec 1048.20.1.2 High Build Acrylic Waterborne Pavement Marking Paint.

Delete paragraph 15.0 of the General Provision Disadvantaged Business Enterprise (DBE) Program Requirements and substitute the following:

15.0 Data Collection from Bidders for DBE and Non-DBE Subcontractors, Suppliers, Manufacturers and/or Brokering used and not used in bids during the reporting period. 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 all subcontractor quoting received for actual use and of consideration by the prime bidder. MoDOT will be requesting this information from bidding prime contractors and will provide prime bidders a form to submit the data by the last day of each month for the current letting. The information shall only include the names of both DBE and non-DBE companies that the prime bidders received quotes. MoDOT will then contact the DBEs and non-DBE subcontractors and request additional information from DBE and

non-DBE subcontractors including current year of gross receipts and number of years in business. The information provided by the prime bidders shall not include any bid quote pricing regardless if it was used or not. This information will aid MoDOT in the determination of the availability of DBEs and will be used in subsequent availability studies.

K. 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.

- (c) 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.
- (d) 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.

- (e) 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.
- (f) 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.
- (g) 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.
- (h) 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.

(b) 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.

L. 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.

M. 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.

N. 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.

O. 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.

P. 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.

Q. 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.

R. 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.

S. 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.

T. 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.

U. 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.

V. 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 determined 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 w3ill be executed for each call listed above.

W. 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.

X. 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 \$1,100.00 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
- 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 designbuild 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 nonminority 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, <u>31</u> 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 <u>40 U.S.C. 3144(b)</u> 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, <u>18</u> 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 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, <u>31</u> 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. François	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;
 - "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.
- 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 singleuser 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

-	***
COOLIDATIONAL TITLE	**Prevailing
OCCUPATIONAL TITLE	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
	\$50.77
Laborer	\$30.77
General Laborer First Semi-Skilled	
Second Semi-Skilled	\$25.56*
Mason	\$23.30
Marble Mason	
Marble Finisher	
Terrazzo Worker	
Terrazzo Finisher	
Tile Setter	
Tile Finisher	#05 56*
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	
L . L.	

^{*}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

LAPATETTE County	
	**Prevailing
OCCUPATIONAL TITLE	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 . Executive Order 13658 or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:

- 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 01/03/2025 01/31/2025 1 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	

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 ATCHISON, ANDREW, BATES,

SULLIVAN COUNTIES.....\$ 35.61 CALDWELL, CARROLL, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HENRY, HOLT, LIVINGSTON, MERCER, NODAWAY, ST. CLAIR, SALINE AND WORTH COUNTIES.....\$ 34.98 AUDRAIN (East of Hwy.19),

RALLS, MARION, LEWIS, CLARK AND SCOTLAND COUNTIES.\$ 35.61 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 BENTON, MORGAN AND PETTIS...\$ 34.98 BOLLINGER, BUTLER, CAPE

GIRARDEAU, DUNKLIN, MISSISSIPPI, NEW MADRID,

22.40

22.40

22.40

22.40

22.40

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

^{*} 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

^{*} 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

^{*} 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

12/8/25, 7:4	8 AM		SAM.gov
G G L L	onstruction: roundman Powderman\$ roundman\$ ineman Operator\$ ineman\$	35.86 1 552.45 1	5%+20.18 5%+25.34 5%+19.34 5%+26.69
BARRY,	BARTON, CEDAR, DADE, JASPER IR, AND VERNON COUNTIES	R, LAWRENCE, MC	DONALD, NEWTON,
		Rates	Fringes
С	icians: able Splicers lectricians\$	32.25	12.19 20.81
* ELEC	0124-007 09/01/2025		
	BENTON, CARROLL, CASS, CLAY N, LAFAYETTE, MORGAN, PETTIS ES:		
		Rates	Fringes
Electr	icians\$ 	54.01	27.85
ELEC0	 257-003 03/01/2025		
CHARIT	N (Except Cuivre Township), ON, COLE, CRAWFORD, DENT, GA , MONITEAU, OSAGE, PHELPS AN	SCONADE, HOWAR	RD, MARIES,
		Rates	Fringes
C	icians: able Splicers\$ lectricians\$	40.50	16.085 23.26
ELEC0	350-002 12/01/2024		
MACON,	AUDRAIN (East of Highway 19 MARION, MONROE, MONTGOMERY, ER, SCOTLAND, SHELBY AND SUL	PIKE, PUTNAM,	RALLS,
		Rates	Fringes
Electr	icians\$		22.145
ELECO	453-001 09/01/2024		
		Rates	Fringes
C D H O W	icians: HRISITAN, DALLAS, OUGLAS, GREENE, HICKORY, OWELL, LACLEDE, OREGON, ZARK, POLK, SHANNON, EBSTER and WRIGHT COUNTIES.\$ ULASKI and TEXAS COUNTIES\$		19.11 19.84

19.84

https://sam.gov/wage-determination/MO20250001/11

PULASKI and TEXAS COUNTIES..\$ 39.70

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 Groundman-Equipment	29%+8.85
Operator Class II (all other equipment)\$ 46.49 Heavy-Equipment Operator Class I (all crawler type	29%+8.85
equipment D-4 and larger)\$ 52.13 Lineman\$ 74.55	29%+8.85 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

I	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:		
	4F 0C	20.06
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 (selfpropelled); 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 4.00 per foot to maximum of .50 Crane, using rock socket tool 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

* 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

Fringes Rates 31.65 Ironworker....\$ 44.27

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 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		29.51 24.12

LAB00042-003 06/04/2025

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Plumber Laborer	.\$ 40.82	17.56
LAB00042-005 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	

^{*} LAB00110-005 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

.....

LAB00579-005 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		16.59 16.59
WRIGHT COUNTIES) GROUP 1	\$ 28.78	15.60 15.60 15.85 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.

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;

^{*} LAB00660-004 05/01/2025

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

.....

LAB00660-006 06/02/2025

Lincoln, Montgomery, St Charles and Warren Counties

	Rates	Fringes
LABORER (Common or General) Lincoln, Monntomery, and	\$ 36.91	15.62
Warrner Counties	\$ 39.76	15.96
St. Charles County	\$ 41.18	15.96

^{*} LAB00662-001 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

LAB00663-002 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.

* LAB00840-011 05/01/2025

Crawford, Dent, Franklin, Gasconade, Howell, Maries, Oregon, Osage, Phelps, Pulaski, Shannon and Texas Counties

ı	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

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

^{*} LAB00955-012 05/01/2025

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

* LAB01104-005 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

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 Brush & Roller Drywall Paper Hanger Stageman; Beltman; Steelman; Elevator Shaft; Bazooka, Boxes and Power Sander; Sprayman; Dipping. Steeplejack	\$ 33.41 \$ 30.54 \$ 31.74 \$ 31.04	17.76 17.76 17.76 17.76 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		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 Floor Work Lead Abatement	.\$ 34.90	17.21 17.21 17.21
SprayStructural Steel, Sandblasting and All Tank	.\$ 34.90	17.21
Work		17.21 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 Spray & Abrasive Blasting Waterblasting (over 5000		17.65
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 Spray & Abrasive Blasting; Waterblasting (Over 5000	\$ 30.95	17.65
PSI)	\$ 32.95	17.65
Height Rates (All Areas): Over 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

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
DI 160510 007 01/01/0005		

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

PLAS0527-001 04/01/2023		
	Rates	Fringes
CEMENT MASON FRANKLIN, LINCOLN AND WARREN COUNTIES JEFFERSON, ST. CHARLES COUNTIES AND ST.LOUIS	\$ 37.29	20.23
(City and County)		20.13
PLAS0527-004 06/01/2023		
CRAWFORD, DENT, IRON, MADISON RALLS, REYNOLDS, ST. FRANCOIS WASHINGTON COUNTIES		
	Rates	Fringes
CEMENT MASON	· · · · · · · · · · · · · · · · · · ·	19.72
PLAS0908-001 05/01/2025		
BOLLINGER, BUTLER, CAPE GIRARI MISSISSIPPI, NEW MADRID, OREGO SCOTT, STODDARD, AND WAYNE COU	ON, PEMISCOT, F	
	Rates	Fringes
CEMENT MASON	\$ 35.10	18.78
CEMENT MASON PLUM0008-003 06/01/2024	\$ 35.10	18.78
PLUM0008-003 06/01/2024		
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON,	AND PLATTE COURates	UNTIES Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON,	AND PLATTE COURates	UNTIES Fringes
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON,	AND PLATTE COURates\$ 56.63\$ MARAYETTE, MC	UNTIES Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON, Plumbers	AND PLATTE COURates\$ 56.63\$ MARAYETTE, MC	UNTIES Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON, Plumbers PLUM0008-017 06/01/2024 BATES, BENTON, CARROLL, HENRY ST. CLAIR, SALINE AND VERNON	AND PLATTE COURates\$ 56.63\$ COUNTIES Rates\$ 56.63	Fringes 24.54 ORGAN, PETTIS, RAY, Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON, Plumbers PLUM0008-017 06/01/2024 BATES, BENTON, CARROLL, HENRY, ST. CLAIR, SALINE AND VERNON	AND PLATTE COURates\$ 56.63\$ COUNTIES Rates\$ 56.63	Fringes 24.54 ORGAN, PETTIS, RAY, Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON, Plumbers PLUM0008-017 06/01/2024 BATES, BENTON, CARROLL, HENRY ST. CLAIR, SALINE AND VERNON Plumbers	AND PLATTE COURATES\$ 56.63\$ COUNTIES Rates\$ 56.63	Fringes 24.54 ORGAN, PETTIS, RAY, Fringes 24.54
PLUM0008-003 06/01/2024 CASS, CLAY, JACKSON, JOHNSON, Plumbers PLUM0008-017 06/01/2024 BATES, BENTON, CARROLL, HENRY ST. CLAIR, SALINE AND VERNON Plumbers PLUM0045-003 08/01/2024 ANDREW, ATCHISON, BUCHANAN, CARROLL, BUCHANAN, BUCHAN	AND PLATTE COURATES\$ 56.63\$ COUNTIES Rates\$ 56.63	Fringes 24.54 ORGAN, PETTIS, RAY, Fringes 24.54

BARRY, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, LACLEDE, LAWRENCE, POLK, STONE, TANEY, WEBSTER AND

WRIGHT COUNTIES

BARTON, JASPER, MCDONALD AND NEWTON COUNTIES

	Rates	Fringes	
Plumbers and Pipefitters			
Projects \$750,000 & unde	er\$ 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.

	Kates	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		
GROUP 1	¢ 25 04	45.05
	•	15.85 15.85
GROUP 2GROUP 3		15.85
GROUP 4		15.85
Truck drivers (AUDRAIN,	·\$ 33.74	15.65
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	¢ 26 F7	15 05
GROUP 2		15.85 15.85
GROUP 3		15.85
GROUP 4		15.85
Truck drivers (FRANKLIN,	.4 30.73	15.05
JEFFERSON and ST. CHARLES		
COUNTIES)		
GROUP 1	.\$ 38.93	15.85
GROUP 2		15.85
GROUP 3	•	15.85
GROUP 4	.\$ 39.04	15.85
Truck drivers (LINCOLN and		
WARREN COUNTIES)		
GROUP 1		15.85
GROUP 2GROUP 3		15.85 15.85
GROUP 4	= -	15.85
GNOO! 4	.μ	17.07

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

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	.\$ 36.43 .\$ 36.42	15.85 15.85 15.85 15.85
GROUP 1	.\$ 35.70 .\$ 35.69	15.85 15.85 15.85 15.85
GROUP 1	.\$ 36.04 .\$ 36.08	15.75 15.75 15.75 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 semitrailer; 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 GROUP 2 GROUP 3	\$ 37.83	9.85+a+b+c 9.85+a+b+c 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.

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 $% \left(1\right) =\left(1\right) \left(1\right)$
- d) an initial conformance (additional classification and rate) determination $% \left(1\right) =\left(1\right) \left(1$

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.

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(440) 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.
- The undersigned is hereby certifying that above mentioned project has been 4. developed according to: (check all that apply) Missouri Standard Specifications for Highway Construction, current edition Missouri Standard Plans for Highway Construction, current edition \Box Other (list out all that apply):

SIGNEL 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: 2nd Street Historic Downtown District Improvements

Job No. TAP 9900(440) 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 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 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



Date: August, 16 2024

To: District Liaison Engineer, Design

MoDOT

SUBJECT: 2nd Street Historic Downtown District Improvements

Job No. TAP 9900(440) 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



Gregory Digitally signed by Gregory S. Wood S. Wood Date: 2022.04.21 10:03:16 -05'00'

PO Box 128 • 125 S Second • Odessa, MO 64076

Phone: (816) 230-5577 • Fax: (816) 633-4985 • www.cityofodessamo.com

April 19, 202	22			
TO:	Rachel Thomas - Transportation Rachel. Thomas@modot.mo.go	on Planner – Kansas City District Liaison ov 816-607-2255		
FROM:	Nici Wilson, City Administrat nici.wilson@cityofodessamo.c			
SUBJECT:	Request for RW Acquisition	Date (5-2-2022)		
	Federal Project Number (Ex. S County: Route or Project Name: Termini (use from cross stree STA. 9+93.22 to STA. 18+5	Eatayette Route 131 et to cross street, if appropriate):		
	From Begin Station 9+93.22 Length of Project: 865.55' Number of Parcels to Acquire:			
FUNDING SELECTION: Select only one funding option, then complete appropriate sections. Local Public Agency is requesting Federal Participation in funding RW activities. (Complete Section One, Section Two and Section Three below)				
Local Public Agency will fund all RW activities – no Federal Participation in the RW activities and the project will not be eligible for in kind match credit, should the LPA receive donations. (Complete Section One and Section Two below)				
SECTION		ection must include the approval date.		
		Date RW Plans approved – TBD		
Environmen	tal Document Approved by FH	WA - *Attach one copy of Environmental Approval*		
	gorical Exclusion for NEPA Ap			
Date of Cult	tural/Park/Recreational/4F Clo	earance N/A Date: No Date		
Histori	ic Section 106 Approved by Mo	DNR - *Attach one copy of Section 106 Approval*		
N/A	12-17-2021	Clearance Date - Section 106		
⊠ N/A		Clearance Date - Archeological Review		
⊠ N/A		Clearance Date - Eligible Structure on New R/W		
N/A	01-05-2022	Date of Public Meeting		

SECTION TWO: Mark the appropriate responses. F	lease comm	ent on all "No"
responses below.		
Is the LPA adequately staffed and equipped to perform all types of and 49 CFR? Yes ⊠ No □	acquisition act	civities in compliance with 23
Who will be responsible for negotiating right of way:		
Name: Kevin K. Marti, PE, Anderson Engineering, Inc.	Phone No.:	(816) 777-0400
Address: 941 141st Terrace, Kansas City MO	E-mail:	kmester@ae-inc.com
LPA will contract with the following individuals from MoDOT's A Appraisers Review Appraisers Negotiators		
SECTION THREE: Questions must be answered wit Note: (See MoDOT EPG 136.8.2.6, For right of way costs eligible		and the second of the second o
Amount of RW funding to be obligated at this time:		
Breakdown:		
R/W Total Cost: \$ 0.00 Federal \$ 0.00 Local \$ 0.00	Other \$	6 0.00
Project Total Cost Percentage: Federal 80.0% Local 2	20.00%	Other 0.0%
Name of "Other" Participating Entity, if any: N/A		
Breakdown of relocation cost (if any) that were included in the abov	e RW Total C	ost:
Total Relocation Assistance and Moving Cost \$	0.00	
Number of Residential Units N/A \$ 0.00		
Number of Business Units N/A \$	0.00	
Please use this comment area for additional remarks, explanations of that may affect the RW activities.		mstances or specific details
COMMENT HERE: All Aquistions are anticipated to be aquired v	ia donations.	
This Section to Be Completed by MoDOT.		
	pproval Date:	
Approval Signature:		
MoDOT Right of Way Employee Assigned to this Project:		
Name:		
Location:	Phone N	o.:

Request for Environmental Review Form#:2022-12-00075

Alternative Project Delivery Method (such as Design/Build)

*Project Information

Prefix: Project Number: 9901440 Bridge Number:

Sponsor: City of Odessa District: Kansas City County: LAFAYETTE

Sponsor Email:

TIP Number: Rte/Street: 2nd Street

MoDOT Job Number: TIGER Grant Funds: Is this project on or

adjacent to MoDOT Right

of Way:

Location/Stream 2ND ST FROM MAIN ST TO DRYDEN ST

Crossing:

TMS Project Description -Construction of infrastructure-related projects and systems that will provide safer routes for non-drivers

termini (no stations):

Describe RER project Renovating sidewalk facilities in downtown Odessa to current ADA standards.

improvements in full

detail:

District Liaison: THOMAR6 -Contact: None selected

Email: Email:

Contact: None selected Contact: None selected

Email: Email:

Date Desired: 01/07/2022 Submit Date: 12/09/2021

Desired A-Date:

Kurt Mester - (12/8/2021 12:02:25 PM) -Responsible Individual: Submitted By: Kurt Mester - (12/9/2021 12:00:00 AM) - 816-

816-777-0400 777-0400

Existing Condition

ADT: Speed Limit:

Number of Travel Lanes: Lane Width: 12'

Shoulder Width: Curb and Gutter: Varies Yes

Bridge width, measured Sidewalks: from guttlerline to

gutterline:

Proposed Design Improvement

ADT: Speed Limit: 25 Design Speed: 25

Number of Travel Lanes: 2 Lane Width: Shoulder Width: Curb and Gutter:

Bridge width, measured Sidewalks: Both

from gutterline to

gutterline:

Bridge Length: Roadway length:

Railroad Crossing No Drainage District (If Kansas City

Applicable):

Program Year:

Preliminary Engineering:	2021	Right of Way:	2022	
Construction:	2022			
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?:				
Project breakout from previous or larger project?	If checked explain:			
		d from public or private entities):		
Additional R/W (acres):	0	Temp Easement .1 (acres):	Permanent Easement 0 (acres):	
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	No	Acres of Tree Clearing: 0 acres		
or more:		DO NOT CLEAR TREES W/O MODOT'S PRIOR WE	RITTEN APPROVAL.	
Number of Displacer	ments(do not inc	lude partial takes that do not displace):		
Residential:	○ Yes ⊚ No	Commercial:	○ Yes ⊚ No	
No. of People:	Residence	No. of Employees:	Businesses:	
Any Public Involvement planned or completed: They City has appointed a downtown commission to review the project design decisions.				
		o review the project design decisions.		
	downtown commision t	o review the project design decisions.		
They City has appointed a	downtown commision t	o review the project design decisions. ADT Design Year:	6000	
They City has appointed a d	downtown commision t		6000	
They City has appointed a construction Year:	downtown commision t		6000 ○ Yes	
They City has appointed a decomposition of the Average Daily Traffic ADT Construction Year: Traffic Impacts:	downtown commision t	ADT Design Year:		
They City has appointed a decomposition of the Average Daily Traffic ADT Construction Year: Traffic Impacts: Road Closure Planned:	downtown commision t	ADT Design Year: Bridge Closure Planned: Detour > 25 mi rural	○ Yes ⊚ No	

Bicycle / Pedestrian Consideration

Pedestrian facilities considered:	Yes	Bicycle facilities considered:	No
National Flood Insur	ance Program (NFIP) and Hydraulic Design I	Data:	
	chased through FEMA Hazard Mitigation Grant Program (F If checked, give details:	lood buyout proper	ty)
Is ANY construction taking	olace on MoDOT owned property under this project?		
Is highway improvement	located within 4 miles of an existing airport?		
Known Concerns: Pi	rovide information you have about these res	ources that yo	ou have observed in the area.
Parkland:	No		
Wetland/404 Permit:	No		
Land Disturbance / Stormwater:	Downtown paved sections will be distrubed, no grass are	а	
Farmland:	No		
Threatened & Endangered Species:	No trees currently present		
Migratory Birds: Are there birds nesting on the structure?	No, No nests present		
Hazardous Waste:	None anticipated		
Cultural Resources:	There's a Odessa Ice Cream Company Building in Odess outside of the project limits.	a is on the U.S. Na	ational Register of Historic Places, but this is
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: **≭**TAP-9901(440) MDC Level 2 Response.pdf **≭**Updated USFWS IPaC OSL TAP-9901(440)_Lafayette_2nd Street Sidewalks.pdf **X**Odessa TAP-9901(440)-**Environmental Assessment** Report.pdf **X**Odessa_MDC Report.pdf MO_Odessa_South_20171011_TM_geo.pdf MO_Odessa_North_20171013_TM_geo.pdf **X**Species List_ Missouri Ecological Services Field Office.pdf ■NE Documentation Letter_ FHWA_FRA_FTA Programmatic Consultation for Transportation Projects affecting NLEB or Indiana Bat 2021-06-11.pdf XOdessa South -FIRMETTE_60597d84-4298-4bee-92ffc9ad660c77ec.pdf **X**Odessa-Historic Map.pdf **X**OdessaCityMap.pdf **X**Odessa Function Classification.pdf **X**Odessa Downtown TAP Section 106 Documentation.pdf

Required Information to be attached for each RER stage:

Location map (county map, topographic map or aerial map) showing the project limits

★12-8-21 Odessa
Downtown Tap - Preliminary

Plans.pdf

- 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 outside a designated urbanized area but does not require new right of way or permanent easements. Therefore, the project is not subject to the Farmland Protection Policy Act.		
LPA Action:	None		
Attachments:			
	Farmland Impact Submitted - Mark submitted when this review is ready to be sent to district staff. Last Updated: Mark Sowers - 12/17/2021 12:53:26 PM		
>Floodplain/Regul	latory 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:	≭ FIRMETTE_2nd Street.pdf		
	Floodplain/Regulatory Floodway Submitted - Mark submitted when this review is ready to be sent to district staff. Last Updated: Mark Sowers - 12/17/2021 12:53:50 PM		
>Land Disturbance	e / 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: Mark Sowers - 12/17/2021 12:54:17 PM		
FEMA/SEMA Bu	yout		
Status Information:	Clearance Date: N/A Pending Cleared		
Environmental Response:	According to the ArcMap GIS FEMA buyout layer, there are no flood buyout sites in the vicinity of the project area. 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: Mark Sowers - 12/17/2021 12:54:24 PM		

Socioeconomic III	mpact
Status Information:	Clearance Date:
Environmental Response:	The project does not require commercial or residential displacements but does require 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. The City has appointed a downtown commission to review the project design decisions. 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.
LPA Action:	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. Provide sufficient public notice of construction work and traffic management plans consistent with MoDOT's and local public involvement policies and procedures.
Attachments:	
	Socioeconomic Impact Submitted - Mark submitted when this review is ready to be sent to district staff. Last Updated: Mark Sowers - 12/17/2021 1:38:03 PM
Threatened & En	dangered Species
Status Information:	Clearance Date: ○ No Effect ○ Pending ◎ Cleared 04/11/2022
Environmental Response:	MoDOT has completed a TE review for the project (effects determination attached). The USFWS IPaC lists the following species for the project area: gray bat, Indiana bat, and northern long-eared bat. There are no critical habitats located within the project limits. The consultant had not yet received the follow-up MDC 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 mile of the project. No occurrences were documented within this distance; therefore, no impacts to state-listed or state-ranked species are anticipated. MoDOT reviewed the consultant's TE materials and agrees with their assessments related to federally listed species. Based on the lack of suitable habitat (no structure or bridge work, no tree clearing) MoDOT agrees that the project will have No Effect on the gray bat, Indiana bat, or northern long-eared bat. This completes the TE requirements for the project. UPDATE 4/15/2022: Follow-up MDC correspondence uploaded. Nothing further required.
Attachments:	★Email_TE Complete - No Effect TAP-9901(440) Lafayette 2nd Street Sidewalks.pdf ★TAP-9901(440)_MoDOT Effects Determination_Lafayette_2nd Street Sidewalks_FINAL.pdf
	Threatened & Endangered Species Submitted - Mark submitted when this review is ready to be sent to district staff. Last Updated: kellyk2 - 4/15/2022 9:43:18 AM
Migratom, Direla	
Migratory Birds	Clearance Date:
Status Information:	N/A ○ Pending ○ Cleared
Environmental Response:	According to the RER submission, no existing structures will be impacted by the project. Therefore there are no conflicts or concerns regarding the Migratory Bird Treaty Act.
LPA Action:	None
Attachments:	
	Migratory Birds Submitted - Mark submitted when this review is ready to be sent to district staff.
	Last Updated: Mark Sowers - 12/17/2021 12:54:50 PM

>Hazardous Wast	e Impact		
Status Information:	N/A ○ Pending	Clearance Date: Cleared	
Environmental Response:	Regulated Petroleum and Hazar 212 West Mason Street (No Fur The project does not require new There are no hazardous wastes wastes from sites unknown to the	E-START map, there are no Hazardous Substar rdous Substance Storage Tank Facilities in the variety of the Action letter attached) and 225 2nd Street warright of way or permanent easements and no issite concerns based on this information. However, the LPA and MoDOT should always be a considered inding related to the project, residue and associatent wetlands.	icinity of the project area. The facilities at vere closed prior to the 2004 Tanks RBCA. mpact on these properties is anticipated. In, the potential to encounter hazardous ration. If there is any hydroblasting,
LPA Action:	•	are found during project construction will be add d Regulations. If any hazardous waste concerns	· ·
Attachments:	X NFA_212 W Mason.pdf		
	≭ ESTART_2nd Street Odessa.PNG		
	Hazardous Waste Impact Su	bmitted - Mark submitted when this review is rea	ady to be sent to district staff.
		Last Updated: Mark Sow	rers - 12/17/2021 1:12:52 PM
>Wetland Impact ((Section 404/401)		
Status Information:	N/A Pending	Clearance Date:	
Environmental Response:	According to the attached USFV	VS National Wetlands Inventory map, and Googl or other waters of the U.S. in or around the proj.	
LPA Action:	None		
Wetland Permit Information:	404 Permit Number	Permit Submitted	Permit Received
	Permit Expiration	Compliance Certification Sent	Compliance Certification Received
Attachments:	X NWI_2nd Street Odessa.pdf		
	Wetland Impact Submitted -	Mark submitted when this review is ready to be s	sent to district staff.
		Last Updated: Mark Sowers - 12/1	7/2021 1:13:04 PM
Noise Impact			
Status Information:	N/A ○ Pending	Clearance Date: Cleared	
Environmental Response:	This is a Type III project and a n	oise analysis is not required.	
LPA Action:	None		
Attachments:			
	Noise Impact Submitted - Ma	ark submitted when this review is ready to be ser Last Updated: Mark Sowers - 12/17/2	

Cultural Resource	ces Impact (Section 106/Histor	ric 4t)		
Status Information:	O Pending O Cleared	Clearance Date: 12/17/2021		
Environmental Response:	MoDOT has determined that the project is covered by Section IV, Item 3 of the Programmatic Agreement Among the Federal Highway Administration, the Missouri Highway and Transportation Commission, the Advisory Council on Historic Preservation, and the Missouri State Historic Preservation Office for Minor Highway Projects. The project will result in No Historic Properties Affected and no additional Section 106 consultation is required at this time.			
LPA Action:	No action is needed at this time. 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.			
Attachments:				
	Adverse Effect or Conditional No Advers	se Effect		
Based on the review of preclude the setting of		above, there are no identified historic 4(f) resources affected that would		
Checked by: Elizabeth H	leavrin on 12/17/2021	NA Approved on:		
Zinzaroui i	341111			
	Cultural Resources Impact Submitted - I	Mark submitted when this review is ready to be sent to district staff.		
		Last Updated: heavre1 - 12/17/2021 9:17:39 AM		
Dublic Land Impa	act (Section Aflet)			
>Public Land Impa	ict (Section 41/61)	Clearance Date:		
Status Information:	N/A ○ Pending ○ Cleared			
Environmental Response:	According to Google Earth imagery and ArcMap GIS public lands layers, 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 and no conversion of any Section 6(f) lands.			
LPA Action:	None			
Attachments:				
		above, there are no identified 4(f) or 6(f) resources affected that would		
Checked by: Mark Sowe	on 12/17/2021			
	Public Land Impact Submitted Mark su	shmitted when this review is ready to be cent to district staff		
	Public Land Impact Submitted - Mark Su	ubmitted when this review is ready to be sent to district staff. Last Updated: Mark Sowers - 12/17/2021 1:13:42 PM		
		Last Opuated. Wark Cowers - 12/11/2021 1.10.42 1 W		
> Other				
Status Information:		Clearance Date:		
	N/A ○ Pending ○ Cleared	d		
Environmental Response:	There are no additional resource impacts as	ssociated with this project.		
LPA Action:	None			
Attachments:				
	Other Screening Submitted - Mark subm	nitted when this review is ready to be sent to district staff. Last Updated: Mark Sowers - 12/17/2021 1:13:49 PM		

>NEPA Classification

NEPA Right-Of-Way Not Applicable as determined or KYLE.GRAYSON@MODOT.MO.GOV

Permission: approved by:

NEPA Approval/Proceed 04/13/2022 Re-evaluation Date:

to A-date Request:

NEPA Classification: PCE

This project qualifies for 3 All Environmental Issues 04/11/2022

the programmatic Cleared:

categorical exclusion under Item#:

under item#

Commitments and/or UPDATE 4/13/2022: This project qualifies for a PCE NEPA classification. All environmental issues have been cleared. If there are any changes in the scope of the project, the Environmental Section should review those changes. The sponsor is

ultimately responsible for complying with all applicable state and federal laws. Initial: A Programmatic Categorical

Exclusion (PCE) NEPA classification is anticipated for this proposed project. The NEPA approval date will be given once the Threatened & Endangered Species section is cleared. THE LPA/CONSULTANT SHOULD REVIEW ALL SECTIONS

ABOVE INCLUDING THOSE MARKED AS CLEARED/GREEN.

Attachments: ★PCE NEPA Concurrence_04.13.22.pdf

Last Submitted: Unsubmitted

ADA CHECKLIST

ADA CHECKLIST



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. 	TL3	NO	
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. Roadway Grade Exception: 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 digitallevel. 			
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, and gutter areas 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. 			

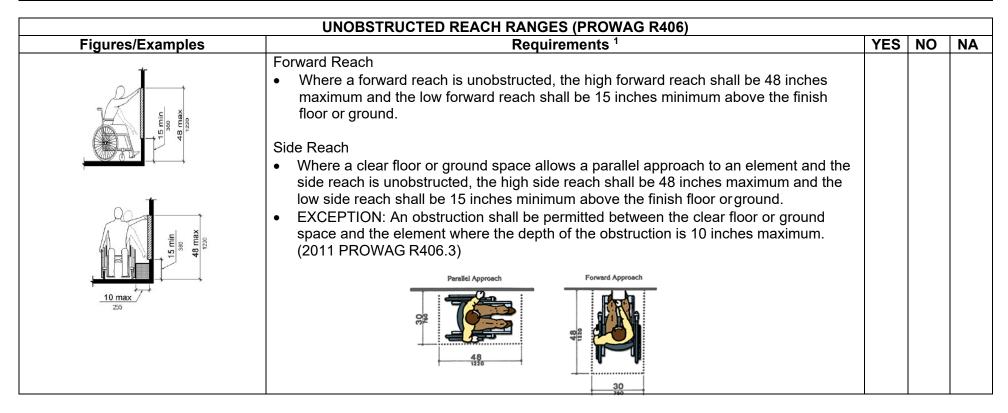
Figures/Examples	Requirements ¹	YES	NO	NA
PECTECIAL DISTRICTANCE OF THE PROPERTY OF THE	 Protruding objects on sidewalks and other pedestrian circulation paths shall not reduce the clear width required for pedestrian accessible routes. Objects with leading edges more than 27 inches and not more than 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. 			
predominant direction of traffic -1/2 max 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
Apron. may be any acceptable grade Slope up, st 1/12	 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
12 min 305 305 X < 4 100	 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 			
34-38 865-665 5-965 65-965 65-965	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			
(a) (b) (c)	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			
4-61/4 perimeter	between flights or runs.			
100-160	 Top of gripping surfaces of handrails shall be 34 inches minimum and 38 inches 			
	maximum vertically above walking surfaces, stair nosings, and ramp surfaces.			
2½ max 67	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 in the same intervent.			
(a) (b)	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. 			
12 min_				
12 min 305	 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.			
217	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
S / THURSDAY B pm	 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. 			



	CURB RAMPS (PROWAG R304)			
Figures/Examples	Requirements 1	YES	NO	NA
Figures/Examples 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. TYPE A CURB STANCH STREET GRADE STANCH STANCH		YES	NO	NA

Figures/Examples	Requirements ¹	YES	NO	NA
Perpendicular Ramps	 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. 			
Roadway Grade Exception: Where curb ramps, landings and blended transitions are contained within a street or highway right-ofway, the grade of the pedestrian access route is permitted to be modified to equal the general grade established for the adjacent street or highway.	 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 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 curbline, shall be provided where a pedestrian circulation path crosses the curbramp. 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 lo			

Figures/Examples	Requirements ¹	YES	NO	NA
	 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) 			
Curb Ramps and landings that are	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.			
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.	 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. 			
24 min 610	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.			
24 min 610	 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. 			

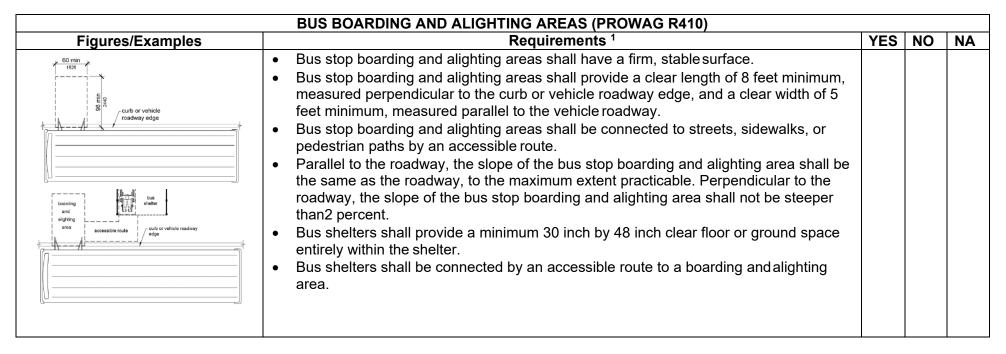
A surface feature of truncated dome material built in or applied to the walking surface to advise of an upcoming change from pedestrian to vehicular way. • Detectable warnings shall consist of a surface of truncated domes aligned in a square or radial grid pattern complying with 2010 ADA Standards. Detectable warning surfaces shall 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 transitions. 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 transitions, 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 transitions, or landings provide a flush pedestrian right-of-way continues across most driveway aprons and overuse of detectable warning straces 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 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	NA
material built in or applied to the walking surface to advise of an upcoming change from pedestrian to vehicular way. Trief a cure provided with first control devices or otherwise are permitted to operate like public streets. Sidewalk crossings of residential driveways should not generally be 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. Parvent Cure Parvent Cure 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 landing or blended transitions: The detectable warning shall be located on the landing or blended transition at the back of curb. Rail Crossings: The detectable warning surfaces 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.	INA
walking surface to advise of an upcoming change from pedestrian to vehicular way. **PARTABLE HEIGHT** UNRIABLE HEIGHT** UNRIABLE HEIGHT** WARIABLE HEIGHT** UNRIABLE HEIGHT** WARIABLE HEIGHT** Sidewalk crossings of residential driveways should not generally be provided with 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 lower landing, or the blended transitions: The detectable warning shall be located on the lower 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 mand 15 feet maximum from the centerline of the nearest rail. The rows of truncated domes in a detecta	
upcoming change from pedestrian to vehicular way. 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 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 wheelchairtravel.	
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 thestreet. 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.	
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 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.	
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 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.	
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 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 wheelchairtravel.	
 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 wheelchairtravel. 	
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 wheelchairtravel.	
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.	
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.	
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 wheelchairtravel.	
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 wheelchairtravel.	
 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. 	
 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 wheelchairtravel. 	
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.	
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.	
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 wheelchairtravel.	
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 wheelchairtravel.	
 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 wheelchairtravel. 	
 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 wheelchairtravel. 	
 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 wheelchairtravel. 	
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.	
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.	
of the nearest rail. The rows of truncated domes in a detectable warning surface shall be aligned to be parallel with the direction of wheelchairtravel.	
be aligned to be parallel with the direction of wheelchairtravel.	
· · · · · · · · · · · · · · · · · · ·	
T ■ DETECTABLE MATHINGS OF COLOUR PARTIES SHOULD FOR SHOULD FINE COLUMN THE HIGH MINI THE TANK	
the face of our band shall be congreted by a 2.0 feet minimum length of well-way	
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
SANCH STATE OF THE	 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 highwaygrade. 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 curb ramps and blended transitions. Detectable warnings at curb ramps and blended transitions. Detectable warnings at curb ramps and blended transitions. 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 t			

Figures/Examples	ESSIBLE PEDESTRIAN SIGNALS (PUSHBUTTONS) (PROWAG R306 and EPG 902.6.1 – EF	YES		NA
ROSEBRY NOVE 1913	 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. 	TES	NO	
5 Feet Maximum	 Roadway Grade Exception: 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 			
30"-6'-0"	 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. 			
, <u>*</u> ,	 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. 			
SAR LAW	Crosswalk pavement marking is 6 inches wide white.			
	Stop bar is at minimum 4 feet from the crosswalk.			
THE STATE OF THE S	 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	
100 TOOLS	 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 nonflexible 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. 				



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:	<u></u>	
Contractor Representative Signature:		Date:
Resident Engineer or Area Engineer Name:		
Resident Engineer or Area Engineer Signature:		Date:
Distribution:		
□ Project Office		
□ District Permit Office		

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.

SAMPLE ADA EXCEPTIONS DOCUMENTATION

Job No	_Route	County		Locat	ion
Item Sidewalk Width	Location Third Street Sta 3	+00 to 7+00 RT	Standard 5' wide	As Built Exist 3' wide	Discussion 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 g	Sta 35+20 to 35+ rade (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

CONTRACT AGREEMENT

	THIS AGREEMENT, made and entered into by and between the City of Odessa,
(hereinafter	referred to as the Owner) and
of	, (herein referred to as the Contractor).
	WITNESSETH: That for and in consideration of the acceptance of Contractor's bid and the award of this
contract to sa	aid Contractor by the Owner and in further consideration of the agreements of the parties herein contained,
to be well an	d truly observed and faithfully kept by them, and each of them, it is agreed between the parties as follows, to wit:
The Contrac designated a	tor at its own expense hereby agrees to do or furnish all labor, materials, and equipment called for in the proposal nd marked:
and agrees to	perform all the work required by the contract as shown on the plans and specifications. The "Notice to
-	"Plans," "Proposal," "Contract Bond," "Acknowledgment," "Notice to Proceed", and all change orders are made a s fully as set out herein.
	It is understood and agreed that, except as may be otherwise provided for by "Job Special Provisions,"
included in t	he Proposal, the work shall be done in accordance with
the most cur	rent "Missouri Standard Specifications for Highway Construction" and "Missouri Standard Plans for Highway
Construction	", including all revisions to these documents, which are part and parcel of this contract, and are incorporated in
this contract	as fully and effectively as if set forth in detail herein.

The Contractor further agrees that it is fully informed regarding all of the conditions affecting the work to be done, and labor and materials to be furnished for the completion of this contract, and that its information was secured by personal investigation and research and not from any estimates of the Owner; and that it will make no claim against the Owner by reason of estimates, tests, or representation of any officer, agent, or employees of the Owner.

The said Contractor agrees further to begin work not later than the authorization date in the Notice to Proceed and to complete the work within the time specified in the proposal or such additional time as may be allowed by the engineer under the contract.

The work shall be done to complete satisfaction of the Engineer of the Owner and, in case the Federal Government or any agency thereof is participating in the payment of the cost of construction of the work, shall also be subject to inspection and approval at all times by the proper agent or agents of such government agency.

The parties hereto agree that this contract in all things shall be governed by the laws of the State of Missouri.

The Contractor agrees that it will comply with all federal and state laws and regulations and local ordinances and that it will comply and cause each of its subcontractors, if any, to comply with all federal and state laws and federal regulations and directives pertaining to nondiscrimination against any person on the ground of race, color, religion, creed, sex, age, ancestry, or national origin in connection with this contract, including procurement of materials and lease of equipment therefore, in accordance with the special provisions on that subject attached hereto, incorporated in and made a part of the contract.

The Contractor expressly warrants that it has employed no third person to solicit or obtain this contract on its behalf, or to cause or procure the same to be obtained upon compensation in any way contingent, in whole or in part, upon such procurement; and that it has not paid, or promised or agreed to pay, to any third person, in consideration of such procurement, or in compensation for services in connection therewith, any brokerage, commission, or percentage upon the amount receivable by it hereunder, and that it has not, in estimating the contract price demanded by it, included any sum by reason of any such brokerage, commission, or percentage, and that all moneys payable to it hereunder are free from obligation to other entities for services rendered, or supposed to have been rendered, in the procurement of this contract. Contractor further agrees that any breach of this warranty shall constitute adequate cause for the annulment of this contract by the Owner, and the Owner may retain to its own use from any sums due or to become due hereunder an amount equal to any brokerage, commission, or percentage so paid, or agreed to be paid.

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 Contractor Signatory certifies that the Contractor 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 contract, and that the Contractor intends to do the work with its own bonafide employees or subcontractors and did not bid for the benefit of another contractor.

The Owner agrees to pay the Contractor in the manner and in the amount provided in the said Standard Specifications and Proposals. IN WITNESS WHEREOF, the parties hereunto have hereunto set their hands and affixed their seals, this day of City of Odessa acting by and through the [Owner/Officials] City of Odessa ATTEST: (SEAL) [Attest Person Title Here and Printed Name] **Contractor Business Name** Authorized Contractor Signature Printed Name of Signatory ATTEST: (SEAL) [Attest Person Title Here and Printed Name]

CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS: That we

as principle, ar	d
as surety, are h	eld and firmly bound unto the [City of Odessa] in the penal sum of:
DOLLARS (\$) as the same may be increased by any and all changes in or additions to said contract
which may her	eafter be made, lawful money of the United States, to be paid to the said City of Odessa or to its certain
agents, attorne	ys, assigns, or to the City of Odessa for which sums of money, well and truly to
be paid, we bi	nd ourselves, our heirs, successors, assigns, executors, and administrators, jointly and severally, firmly by these
presents.	
	SEALED with our seals and dated
	The condition of this obligation is such that
	WHEREAS, the said bounden principal has entered into a certain contract with the [City of Odessa]
	acting by and through the [City of Odessa/OFFICIALS NAME HERE], said contract being marked.
	a copy of said contract being hereto attached and made a part hereof and bearing date of

NOW, THEREFORE, if the said principal shall comply with and fulfill all the conditions of said contract, including those under which principal agrees to pay the prevailing hourly rate of wages for each craft or type of workman required to execute the contract in the locality as determined by State and Federal authority, as applicable, or by final judicial determination, and properly and promptly complete the work in accordance with the provisions of said contract, plans and specifications without any hidden defects, and furnish all the labor and materials required by said contract, and any and all changes in, or additions to said contract, which may hereafter be made, and shall perform all the undertakings stipulated by said bounden principal to be performed and within the time mentioned in said contract, or within any additional time granted by the [City of Odessa], which may be granted without notice to or consent from the surety, and shall pay for all materials, lubricants, fuel, coal and coke, repairs on machinery, groceries and foodstuff, equipment and tools consumed or used in connection with the construction of such work, and all insurance premiums, both compensation, and all other kinds of insurance, on said work, and for all labor performed in such work, whether by subcontractor or claimant in person or by its employee, agent, servant, bailee, or bailor, then this to be void; otherwise it shall be and remain in full force and effect.

ATTEST:	(SEAL)	
	Secretary	Principal
		Ву
		Title
		Surety
ATTEST:	(SEAL)	
		Ву
		Title
		Address – Agent or Broker
		Street
		City
		Name and Street Address of Agent to Whom All Correspondence Should be Directed Relating to Contract and Bond.
		Name
		Street
		City, State

CONTRACTOR'S ACKNOWLEDGEMENT

1. Form to be used if Contractor i	s an individual.
State of)	
State 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	ent, and bond, and being first duly sworn, acknowledged
that he/she executed the same as his/her free act an	nd deed.
Witness my hand and seal at	,, the day and year first
above written.	
(SEAL)	Notary Public
	Notary Public
My commission expires	, 20
2. Form to be used if Contractor is State of	s a partnership or unincorporated company.
On this day of	, 20, before me personally
appeared	, to me known to be the person described
in and who executed the foregoing proposal, contr	act agreement, and bond, and being first duly sworn,
acknowledged that he/she executed the same as th	e 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)	N. D.I.
	Notary Public
My commission expires	, 20

3. Form to be used if Contractor is a corporation

State of)	
State of	SS.
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	e 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 acknowl	edges 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:			<u></u>		
			PROJECT Descr Improvements, C	iption: TAP 9901(440) – Oc dessa, Missouri	lessa Sidewalk
dated _		considered the BID su , and Instructions to	— bmitted by you for the above Bidders.	described WORK in respon	nse to its invitation to Bio
	You are hereby n	otified that your BID h	as been accepted in the am	ount of <u>/100</u> Dollars (<u>\$</u>).
PERF0		PAYMENT BOND an	Bidders to execute the Ag nd CERTIFICATES OF INSI		
OWNE	cutive calendar day	s from the date of this your BID as abandon	nd to furnish said BONDS an Notice, said OWNER will be ed and as a forfeiture of you	entitled to consider all you	r rights arising out of the
	You are required	to return an acknowle	dged copy of this NOTICE C	F AWARD to the OWNER.	
	Dated this	day of	, 2025		
				City of Oo	dessa
			Ву		
			Title _		
ACCE	PTANCE OF NOTION	CE			
	Receipt of the ab	ove NOTICE OF AWA	RD is hereby acknowledged	by	this the
day of		20			
Ву					
Title					

NOTICE TO PROCEED

TO:			
DATE:			
TAP 9901(440) Odess:	-		
			You
are hereby notified to commence WORK in a before, and you are to complete			
WORK is therefore		, ,	·
		City	of Odessa
	Ву _		
	Title	Mayor	
А	CCEPTANCE OF N	OTICE	
Receipt of the above NOTICE TO PROCEED is	s hereby acknowledo	ged by	
this theday of, 20			
Ву			
T:11.			

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 (Title) (Title) STATE OF _____ SS. COUNTY OF _____ Subscribed and sworn to before me this ______ day of ______, 20_____, at Notary Public (SEAL)

AFFIDAVIT

COMPLIANCE WITH THE PREVAILING WAGE LAW

Before me, the unc	aersigned Notary Pi	iblic, in and for the County of	,
State of		, personally came and appea	ared
(Name & Title)		of (Company Name)	
(a Corporation) (a	Partnership) (a Pro	oprietorship), and after being o	duly sworn did depos
and say that all pr	ovisions and requir	ements set out in Chapter 290,	Sections 290.210
through and inclu	ding 290.340, Misso	uri Revised Statutes, pertainin	g to the payment of
wages to workers	employed on public	works projects have been fully	y satisfied and there
has been no excep	tion to the full and c	complete compliance with said	provisions and
requirements and	with Wage Determi	ination No.	or Annual Wage
		the Division of Labor Standar	
(Job No.)	,(Route <u>or</u> loca	tion, if building construction)	,
	County, Mis	souri, and completed on the	day of
	, 20	_•	
(Signature)		
Subscribed and sv	vorn to me this	day of	, 20
My commission ex	xpires	, 20	
Notary Public			

TAP-9901(440) SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS FOR CITY OF ODESSA, MISSOURI

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



LOCATION MAP

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

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 LAFAYETTI SECOND ST ROUTE **PROJECT** 21KC40015 JOB NO. TAP-9901(440)

DESIGN DESIGNATION

ADT (2022)	5045
DESIGN ADT. (2042)	6155
AADT TRUCK	
DESIGN SPEED	25 MPH
D (DIRECTION)	

FUNCTIONAL CLASSIFICATION

MAJOR COLLECTOR

LENGTH OF I	PROJEC
-------------	--------

BEGINNING OF PROJECT (SECOND ST)	9+93.00
END OF PROJECT (SECOND ST)	18+58.60
APPARENT LENGTH (SECOND ST)	865.60

INDEX OF SHEETS

	INDEX OF SHEETS	
D	ESCRIPTION	SHEET NO.
C	OVER SHEET	01
_	PICAL SECTIONS	02
QI	JANTITES & GENERAL NOTES	03 - 04
DE	EMOLITION PLAN - PHASE 1 (SECOND)	05 - 06
DE	EMOLITION PLAN - PHASE 2 (SECOND)	07 - 08
Gl	ENERAL PLAN	09 - 10
RI	GHT-OF-WAY PLAN	11 - 12
	EF. POINT & CONTROL POINTS	13
	RADING PLAN (SECOND)	14
	ETAILED GRADING LAYOUT (SECOND)	15
	ETAILED GRADING SHEET (SECOND)	16 - 30
	DEWALK DETAILS	31 - 35
	AILING DETAILS	36 - 38
	RAFFIC CONTROL - PHASE 1 (SECOND)	39 - 44
	TE PLAN SECOND	45
	GN & POLE LAYOUT PLAN (SECOND)	46 - 47
	DLE FOUNDATION DETAILS	48 - 49
	AVEMENT MARKING (SECOND)	50 - 51
	ROSS SECTIONS (SECOND)	52 - 57
	ECTRICAL GENERAL NOTES	E001
	ECTRICAL SPECIFICATIONS	E002 - E003
	ECTRICAL LIGHTING PLAN	EL101 - EL102
	ECTRICAL POWER PLAN	EP101 - EP102
	ECTRICAL COMMUNICATIONS PLAN	EC101 - EC102
_	VERALL ELECTRICAL SITE PLAN	E401
	NLARGED ELECTRICAL PLANS	E402
	ECTRICAL DETAILS	E501 - E508
	ECTRICAL SCHEDULES	E601 - E605
	505ELECTRICAL ONE-LINE NOTES	E701
EL	ECTRICAL ONE-LINE DIAGRAMS	E702

CALL OR CLICK 3 DAYS BEFORE YOU DIG!

 $\frac{\text{CAUTION:}}{\text{INFORMATION ON THIS DRAWING CONCERNING TYPE \& LOCATION OF}}$ 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

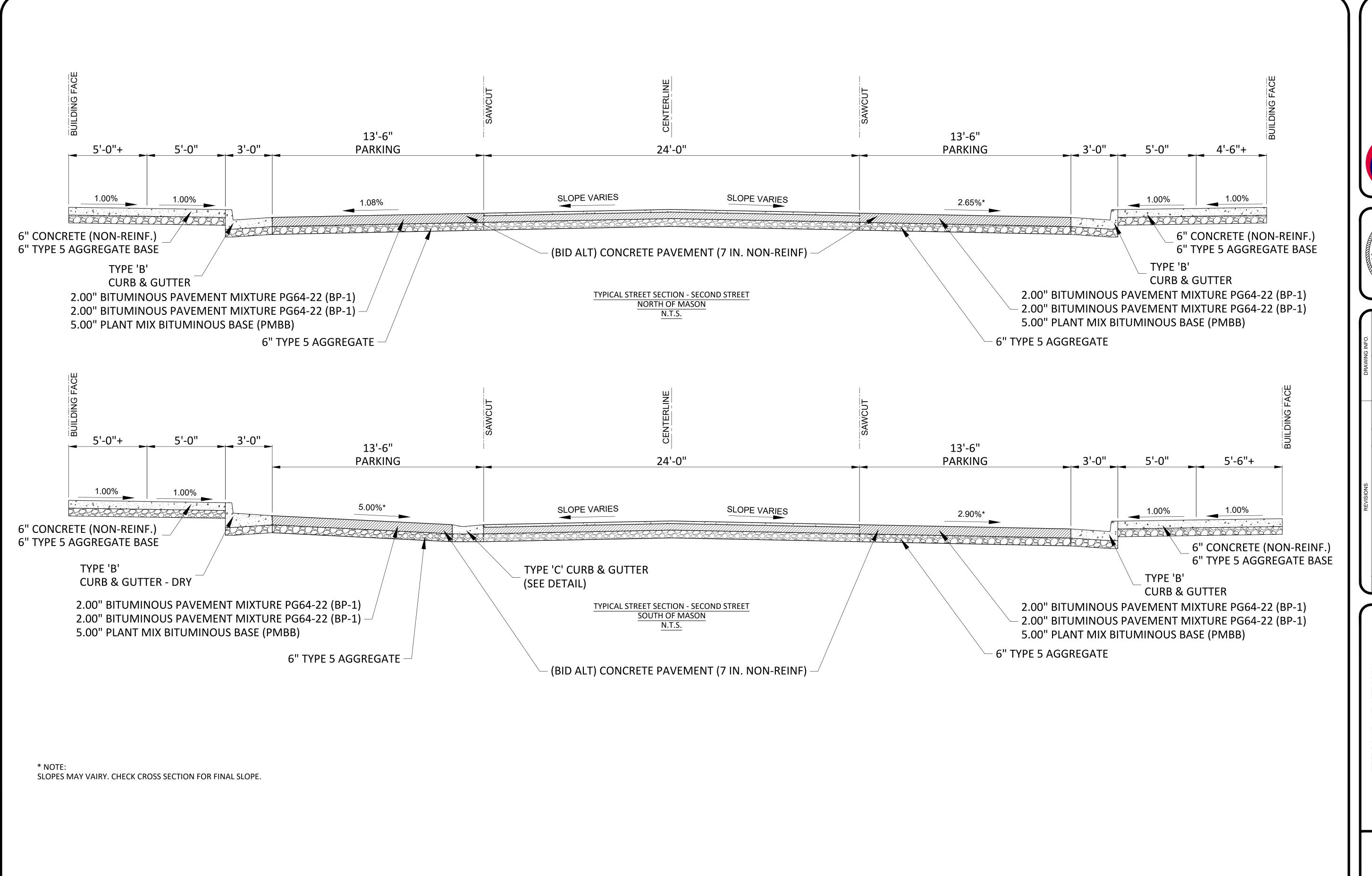
CITY OFFICIAL

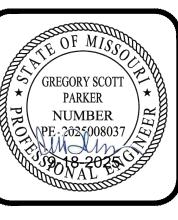
10/02/2025 DATE



	REVISIONS			DRAWIN	DRAWING INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
_	PLANS FOR BID	KEL	KEL 09/30/25	DRAWN BY:	NDD
				CHECK BY:	
				DATE:	10/2/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440
	CODYRIGHT ANDERSON ENGINEERING INC 2012				

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS





	REVISIONS			DRAWING INFO.	IG INFO.
Š.	DESCRIPTION	ВУ	DATE	FIELD BY:	
	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	NDO
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440
۰	©COPYRIGHT ANDERSON FNGINFERING INC 2012				

ITEM NO. ITEM DESCRIPTION	QUANTI	TIES - PHASE 1 SECOND ST			<u>C</u>
202-20.10 REMOVAL OF IMPROVEMENTS LS 1	ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	
207-20.00 LINEAR GRADING CLASS 2 STA 7.7	ROA	DWAY			
304-05.06 TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) SY	202-20.10	REMOVAL OF IMPROVEMENTS	LS	1	
401-12.09 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.) 401-12.09 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.) 502-11.08 CONCRETE PAVEMENT (BIN. NON-REINFORCED) (DRIVEWAYS) 502-11.08 CURB & GUTTER TYPE A 609-10.51 CURB & GUTTER TYPE B 609-90.03 CURB & GUTTER TYPE C 609-90.03 CURB & GUTTER TYPE C 609-90.03 CURB RAMP CURB & GUTTER 609-90.03 CURB RAMP CURB & GUTTER 618-10.00 MOBILIZATION 618-10.00 CONTRACTOR SURVEYING & STAKING 618-10.00 CONTRACTOR SURVEYING & STAKING 620-60.00D 4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 620-90.01 INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL) 620-90.02 INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL) 620-90.03 6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 620-90.03 6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 620-90.03 6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 620-90.03 FIRE STATES ST	207-20.00	LINEAR GRADING CLASS 2	STA	7.7	
401-12.09 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.) 401-12.09 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.) 502-11.08 CONCRETE PAVEMENT (BIN. NON-REINFORCED) (DRIVEWAYS) 502-11.08 CURB & GUTTER TYPE A 609-10.51 CURB & GUTTER TYPE B 609-90.03 CURB & GUTTER TYPE C 609-90.03 CURB & GUTTER TYPE C 609-90.03 CURB RAMP CURB & GUTTER 609-90.03 CURB RAMP CURB & GUTTER 618-10.00 MOBILIZATION 618-10.00 CONTRACTOR SURVEYING & STAKING 618-10.00 CONTRACTOR SURVEYING & STAKING 620-60.00D 4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 620-90.01 INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL) 620-90.02 INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL) 620-90.03 6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 620-90.03 6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 620-90.03 6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 620-90.03 FIRE STATES ST	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	2,642.3	2
401-30.00 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.) TONS 556.3	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS		
S02-11.08 CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS) SY 202.0	401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (2 IN.)	TONS	222.8	
609-10.51 CURB & GUTTER TYPE A	401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) (5 IN.)	TONS	556.3	
SOB-10.52 CURB & GUTTER TYPE B	502-11.08	CONCRETE PAVEMENT (8 IN. NON-REINFORCED) (DRIVEWAYS)	SY	202.0	
609-99.03 CURB & GUTTER TYPE C	609-10.51	CURB & GUTTER TYPE A	LF	43	
CURB RAMP CURB & GUTTER LF GO	609-10.52	CURB & GUTTER TYPE B	LF	1,522	
609-99.03 DRIVEWAY CURB & GUTTER LF 39	609-99.03	CURB & GUTTER TYPE C	LF	318	
618-10.00 MOBILIZATION	609-99.03	CURB RAMP CURB & GUTTER	LF	60	
627-40.00 CONTRACTOR SURVEYING & STAKING	609-99.03	DRIVEWAY CURB & GUTTER	LF	39	
SIGNING, STRIPING, SIGNAL, LIGHTING 620-60.00D 4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) LF 2,087 620-99.02 INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL) EA 9 620-99.03 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) LF 118 620-99.03 4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) LF 1,096 903-50.04A 5H-FLAT SHEET SF 102 903-99.02 SIGN POSTS EA 15 BIKE/PED FACITILITES S 102 304-05.06 TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) SY 2,137.3 502-99.07 INTEGRAL RETAINING WALL W/ REINFORCING CY 23.0 608-10.10 CONCRETE CURB RAMP SY 58.7 608-10.12 TRUNCATED DOMES SF 130 608-20.23 HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK) LF 632 608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) LF 632 608-40.03 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) LF 632 605-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806-10.070 CHANNE	618-10.00	MOBILIZATION	LS	1	
620-60.00D	627-40.00	CONTRACTOR SURVEYING & STAKING	LS	1	
620-99.02 INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL) 620-99.03 6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) LF 118 620-99.03 4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) LF 1,096 903-50.04A SH-FLAT SHEET SF 102 903-99.02 SIGN POSTS EA 15 BIKE/PED FACITILITES 304-05.06 TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) SY 2,137.3 502-99.07 INTEGRAL RETAINING WALL W/ REINFORCING CY 23.0 608-10.10 CONCRETE CURB RAMP SY 58.7 608-10.12 TRUNCATED DOMES SF 130 608-20.23 HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK) LF 21 608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) LF 632 608-99.05 CONCRETE SIDEWALK, 6 IN. SY 2,137.3 LANDSCAPING/STREETSCAPING 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE	SIGI	VING, STRIPING, SIGNAL, LIGHTING			
620-99.03 6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	620-60.00D	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	2,087	
620-99.03	620-99.02	INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)	EA	9	
903-50.04A SH-FLAT SHEET SF 102 903-99.02 SIGN POSTS EA 15 BIKE/PED FACITILITES 304-05.06 TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) SY 2,137.3 502-99.07 INTEGRAL RETAINING WALL W/ REINFORCING CY 23.0 608-10.10 CONCRETE CURB RAMP SY 58.7 608-10.12 TRUNCATED DOMES SF 130 608-20.23 HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK) LF 21 608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) LF 632 608-99.05 CONCRETE SIDEWALK, 6 IN. SY 2,137.3 LANDSCAPING/STREETSCAPING 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	620-99.03	6 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	118	
903-99.02 SIGN POSTS EA 15 BIKE/PED FACITILITES 304-05.06 TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) SY 2,137.3 ★ 502-99.07 INTEGRAL RETAINING WALL W/ REINFORCING CY 23.0 608-10.10 CONCRETE CURB RAMP SY 58.7 608-10.12 TRUNCATED DOMES SF 130 608-20.23 HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK) LF 21 608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) LF 632 608-99.05 CONCRETE SIDEWALK, 6 IN. SY 2,137.3 LANDSCAPING/STREETSCAPING SEDING - COOL SEASON GRASSES ACRE 0.1 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL EA 16 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	620-99.03	4 IN. BLUE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)	LF	1,096	
BIKE/PED FACITILITES 304-05.06 TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) SY 2,137.3 502-99.07 INTEGRAL RETAINING WALL W/ REINFORCING CY 23.0 608-10.10 CONCRETE CURB RAMP SY 58.7 608-10.12 TRUNCATED DOMES SF 130 608-20.23 HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK) LF 21 608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) LF 632 608-99.05 CONCRETE SIDEWALK, 6 IN. SY 2,137.3 LANDSCAPING/STREETSCAPING SY 2,137.3 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL EA 16 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	903-50.04A	SH-FLAT SHEET	SF	102	
304-05.06 TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) SY 2,137.3 502-99.07 INTEGRAL RETAINING WALL W/ REINFORCING CY 23.0 608-10.10 CONCRETE CURB RAMP SY 58.7 608-10.12 TRUNCATED DOMES SF 130 608-20.23 HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK) LF 21 608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) LF 632 608-99.05 CONCRETE SIDEWALK, 6 IN. SY 2,137.3 LANDSCAPING/STREETSCAPING SY 2,137.3 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL EA 16 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	903-99.02	SIGN POSTS	EA	15	
502-99.07 INTEGRAL RETAINING WALL W/ REINFORCING CY 23.0 608-10.10 CONCRETE CURB RAMP SY 58.7 608-10.12 TRUNCATED DOMES SF 130 608-20.23 HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK) LF 21 608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) LF 632 608-99.05 CONCRETE SIDEWALK, 6 IN. SY 2,137.3 LANDSCAPING/STREETSCAPING SEEDING - COOL SEASON GRASSES ACRE 0.1 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL EA 16 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	BIKE	PED FACITILITES			
608-10.10 CONCRETE CURB RAMP 608-10.12 TRUNCATED DOMES 608-20.23 HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK) 608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) 608-99.05 CONCRETE SIDEWALK, 6 IN. LANDSCAPING/STREETSCAPING 805-10.00A SEEDING - COOL SEASON GRASSES 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL 616-10.22 CHANNELIZER (CONE) 616-10.30 TYPE 3 MOVEABLE BARRICADE	304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SY	2,137.3	2\
608-10.12 TRUNCATED DOMES SF 130 608-20.23 HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK) LF 21 608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) LF 632 608-99.05 CONCRETE SIDEWALK, 6 IN. SY 2,137.3 LANDSCAPING/STREETSCAPING SEDING - COOL SEASON GRASSES ACRE 0.1 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL EA 16 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	502-99.07	INTEGRAL RETAINING WALL W/ REINFORCING	CY	23.0	
608-20.23 HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK) 608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) 608-99.05 CONCRETE SIDEWALK, 6 IN. SY 2,137.3 LANDSCAPING/STREETSCAPING 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL 616-10.22 CHANNELIZER (CONE) 616-10.30 TYPE 3 MOVEABLE BARRICADE	608-10.10	CONCRETE CURB RAMP	SY	58.7	
608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) LF 632 608-99.05 CONCRETE SIDEWALK, 6 IN. SY 2,137.3 LANDSCAPING/STREETSCAPING 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	608-10.12	TRUNCATED DOMES	SF	130	
608-40.23 SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK) LF 632 608-99.05 CONCRETE SIDEWALK, 6 IN. SY 2,137.3 LANDSCAPING/STREETSCAPING 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	608-20.23	HAND-RAILING FOR STEPS WITHOUT BAULSTERS (BLACK)	LF	21	<u>^</u> 2\
LANDSCAPING/STREETSCAPING 805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	608-40.23	SIDEWALK HAND-RAILING WITHOUT BALUSTERS (BLACK)	LF		
805-10.00A SEEDING - COOL SEASON GRASSES ACRE 0.1 806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	608-99.05	CONCRETE SIDEWALK, 6 IN.	SY	2,137.3	
806.10.07A CURB INLET CHECK EA 2 TRAFFIC CONTROL 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	LAN	DSCAPING/STREETSCAPING			
TRAFFIC CONTROL 616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	805-10.00A	SEEDING - COOL SEASON GRASSES	ACRE	0.1	
616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	806.10.07A	CURB INLET CHECK	EA	2	
616-10.22 CHANNELIZER (CONE) EA 16 616-10.30 TYPE 3 MOVEABLE BARRICADE EA 2	TRAI	FIC CONTROL			
			EA	16	
903-50.04A SH-FLAT SHEET SF 90	616-10.30	TYPE 3 MOVEABLE BARRICADE	EA	2	
į į	903-50.04A	SH-FLAT SHEET	SF	90	

GENERAL NOTES

DESIGN SPECIFICATIONS:

2011 AASHTO ROADSIDE DESIGN GUIDE, 4TH EDITION

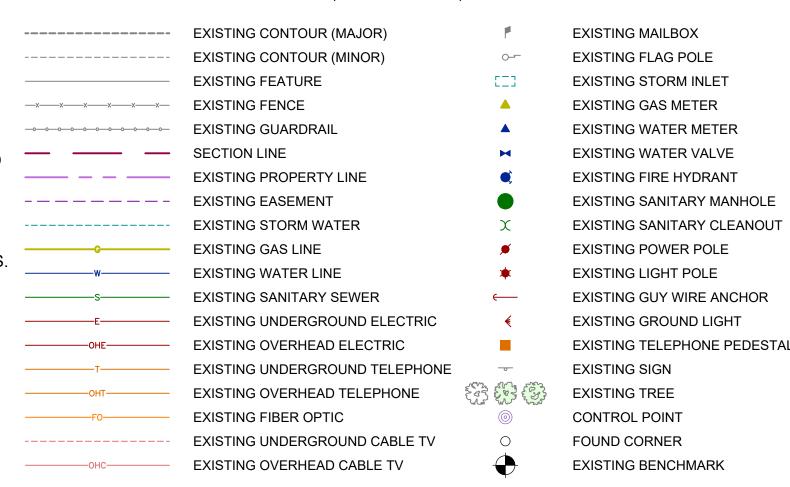
CONSTRUCTION SPECIFICATIONS:

MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2025 EDITION

MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION. 2025 EDITION NOTES:

- 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
- THE CONTRACTOR MUST COORDINATE CONSTRUCTION WITH THE NECESSARY AUTHORITIES.
- NO WORK SHALL COMMENCE UNTIL ALL NECESSARY PERMITS ARE OBTAINED BY THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINE AND GRADE STAKES
- 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
- 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.
- 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
- 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)



ABBREVIATION TABLE

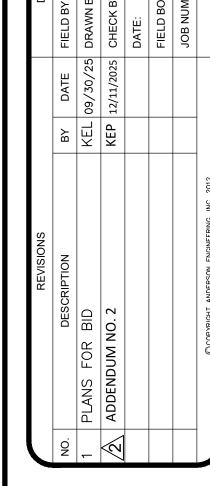
DASHED OR SCREENED SYMBOL INDICATES EXISTING FEATURE.

BC:	BACK OF CURB
<u>C</u>	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
尸	PROPERTY LINE
PR.	PROPOSED
R/W	RIGHT-OF-WAY
OTA.	CTATION

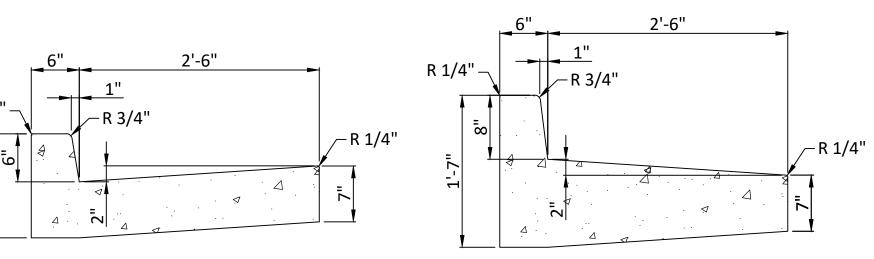
STA: STATION TEMPORARY BENCHMARK

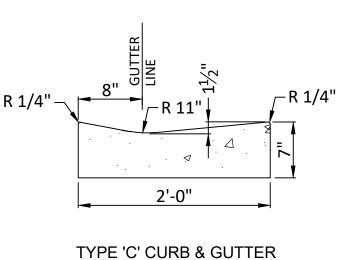
TEMPORARY CONSTRUCTION EASEMENT

TEMPORARY TYP. **TYPICAL**



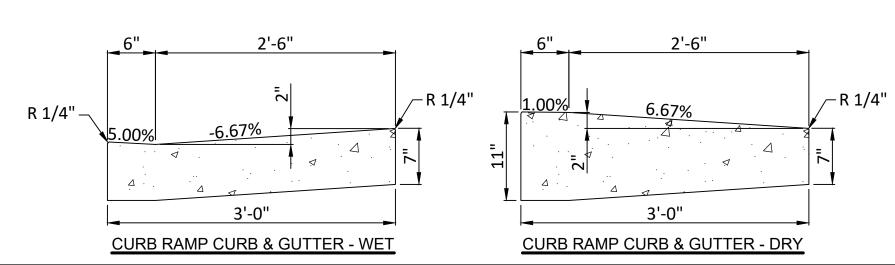
CURB & GUTTER DETAILS





TYPE 'A' CURB & GUTTER - MODIFIED

TYPE 'B' CURB & GUTTER - DRY



NOTES:

ITEM NO.

ROADWAY BID ALTERNATE

502-11.07 | CONCRETE PAVEMENT (7 IN. NON-REINFORCED)

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.

UNITS QUANTITY

SY

2705.1

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.

ITEM DESCRIPTION

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.



GREGORY SCOTT PARKER NUMBER PE-2025008037

QUANTITY BREAKDOWN - PHASE 1 SECOND ST

LINEAR GRADING CLASS 2						
STA.	ТО	STA.	STA			
09+93.00	-	13+69.06	3.8			
14+72.08		18+58.60	3.9			
		TOTAL =	7.7			

TYPE 5 AGGREGATE BASE, 6 IN						
STA.	то	STA.	SY			
09+93.00	-	18+58.60	5149			
		TOTAL =	5149			

ASPHALTIC CONCRETE MIX. PG 70-22 (SPC125C) (2.00 IN.)											
LOCATION	SIDE	STA.	ТО	STA.	SF	TONS					
SECOND STREET	LT	09+93.00	-	13+69.06	3315.13	40.7					
SECOND STREET	RT	09+93.00	-	13+69.06	4895.905	60.1					
SECOND STREET	LT	14+74.97	-	18+58.60	4787.398	58.7					
SECOND STREET	RT	14+72.09	-	18+58.60	4827.916	59.2					
SECOND STREET	CT	10+25.44	-	10+25.44	186.4	2.3					
					TOTAL =	221.0					

ASPHALTIC CONCRETE MIX. PG 70-22 (SPC190C) (2.00 IN.)										
LOCATION		STA.	ТО	STA.	SF	TONS				
SECOND STREET	LT	09+93.00	-	13+69.06	3315.13	40.7				
SECOND STREET	RT	09+93.00	-	13+69.06	4895.905	60.1				
SECOND STREET	LT	14+74.97		18+58.60	4787.398	58.7				
SECOND STREET	RT	14+72.09	-	18+58.60	4827.916	59.2				
SECOND STREET	CT	10+25.44	-	10+25.44	186.4	2.3				
					TOTAL =	221.0				

ASPHALTIC CONCRETE MIX. PG 64-22 (SPC250C) (3.00 IN.)										
LOCATION		STA.	ТО	STA.	SF	TONS				
2ND STREET	LT	09+93.00	-	13+69.06	3315.13	61.0				
2ND STREET	RT	09+93.00	-	13+69.06	4895.905	90.1				
2ND STREET	LT	14+74.97	-	18+58.60	4787.398	88.1				
2ND STREET	RT	14+72.09	-	18+58.60	4827.916	88.8				
2ND STREET	CT	10+25.44	-	10+25.44	186.4	3.4				
					TOTAL =	331.4				

CONCRETE PAVEMENT (8 IN. NON-REINFORCED)										
LOCATION	SIDE	STA.	TO	STA.	SF	SY				
2ND STREET	LT	10+39.97	-	10+76.76	680.574	75.6				
2ND STREET	RT	11+06.41	-	11+45.41	369.80	41.1				
2ND STREET	LT	(STP-01W		424.785	47.2				
2ND STREET	LT	(STP-04W		73.27	8.1				
2ND STREET	RT		STP-08E		269.73	30.0				
					TOTAL =	202.0				

LOCATION	SIDE	STA.	ТО	STA.	AVG. HEIGHT (FT.)	CY
2ND STREET	LT	10+14.57	12	10+33.97	0.68	0.6
2ND STREET	LT	10+86.42	-	11+01.82	1.44	0.7
2ND STREET	LT	11+17.92	1-	11+45.98	2.18	1.6
2ND STREET	LT	11+54.91		11+89.53	2.19	2.0
2ND STREET	LT	12+02.11	-	12+21.03	1.24	0.8
2ND STREET	LT	12+26.43	-	12+52.84	0.95	0.9
2ND STREET	LT	12+79.61	-	13+04.58	1.14	1.0
2ND STREET	LT	13+17.47	-	13+69.06	0.95	1.8
2ND STREET	LT	15+01.35	1-	15+13.22	0.5	0.3
2ND STREET	LT	15+17.91	-	15+35.61	0.76	0.5
2ND STREET	LT	15+40.17		15+57.44	0.68	0.5
2ND STREET	LT	15+92.43	1-	16+08.42	0.42	0.4
2ND STREET	LT	16+18.67		16+31.03	0.45	0.3
2ND STREET	LT	16+35.60	-	16+59.20	0.67	0.7
2ND STREET	LT	16+70.36	-	16+83.02	0.32	0.3
2ND STREET	LT	16+89.00	-	17+08.72	0.65	0.6
2ND STREET	LT	17+18.49	-	17+29.44	0.45	0.3
2ND STREET	LT	17+33.44	-	17+50.41	1.06	0.6
2ND STREET	LT	17+55.17	-	17+66.21	0.51	0.3
2ND STREET	RT	11+67.14	12	11+78.14	0.46	0.3
2ND STREET	RT	12+70.36	12	12+90.45	0.47	0.5
2ND STREET	RT	13+08.67	-	13+24.10	0.36	0.4
2ND STREET	RT	14+84.21	-	15+35.50	0.96	1.8
2ND STREET	RT	15+40.50	-	15+75.00	1.22	1.4
2ND STREET	RT	15+87.52	-	16+09.75	0.87	0.7
2ND STREET	RT	16+14.70	-	16+36.17	0.77	0.7
2ND STREET	RT	16+42.43	-	16+54.61	0.42	0.3
2ND STREET	RT	16+79.71		16+91.01	0.57	0.3
2ND STREET	RT	17+00.33	12	17+21.71	1.64	1.0
2ND STREET	RT	17+38.22	-	17+46.16	0.35	0.2
2ND STREET	RT	17+51.78	-	17+59.77	0.4	0.2
2ND STREET	RT	17+65.06	-	17+73.95	0.44	0.2
					TOTAL =	22.1

(BID ALT) BITUMINOUS PAVEMENT MIX (7 IN.) (30% RECYCLED, KC											
METRO APWA TYPE 5-01)											
LOCATION		STA.	ТО	STA.	SF	TONS					
2ND STREET	LT	09+93.00		13+69.06	3315.13	142.3					
2ND STREET	RT	09+93.00	8-8	13+69.06	4895.905	210.2					
2ND STREET	LT	14+74.97	-	18+58.60	4787.398	205.5					
2ND STREET	RT	14+72.09	7-0	18+58.60	4827.916	207.3					
2ND STREET	CT	10+25.44	141	10+25.44	186.4	8.0					
					TOTAL =	773.3					

(BID ALT) CONCRETE PAVEMENT (7 IN. NON-REINF)										
LOCATION		STA.	ТО	STA.	SF	SY				
2ND STREET	LT	09+93.00	-	13+69.06	3315.13	368.3				
2ND STREET	RT	09+93.00	-	13+69.06	4895.905	544.0				
2ND STREET	LT	14+74.97	-	18+58.60	4787.398	531.9				
2ND STREET	RT	14+72.09	_	18+58.60	4827.916	536.4				
2ND STREET	CT	10+25.44	-	10+25.44	186.4	20.7				
					TOTAL =	2001 3				

CONCERETE CURB RAMP										
STA.	ТО	STA.	SIDE	SF	SY					
09+96.64	323	10+10.04	LT	62.90	7.0					
09+96.22	-	10+09.29	RT	62.74	7.0					
13+41.27	-	13+60.27	RT	60.72	6.7					
13+46.64	-	13+59.64	LT	36.80	4.1					
14+74.97	-	14+86.97	LT	39.88	4.4					
16+57.62	-	16+76.62	RT	60.30	6.7					
18+03.39		18+22.40	LT	54.45	6.0					
18+32.73	-	18+38.19	RT	35.90	4.0					
18+32.59	-	18+38.06	LT	36.91	4.1					
18+43.40		18+55.39	RT	39.94	4.4					
18+41.55	-	18+55.17	LT	38.33	4.3					
				TOTAL =	58.7					

STA.	ТО	STA.	SIDE	SF
09+97.09	-	09+99.09	LT	10
09+97.09	-	09+99.09	RT	10
10+04.54	-	10+09.54	LT	10
10+04.54	-	10+09.54	RT	10
13+54.64	-	13+59.64	LT	10
13+48.27	-	13+53.27	RT	10
14+74.97		14+79.97	LT	10
16+64.62		16+69.62	RT	10
18+10.39	-	18+15.39	LT	10
18+32.69		18+37.66	RT	10
18+32.60	-	18+37.61	LT	10
18+53.40		18+55.40	RT	10
18+53.25		18+55.25	LT	10
			OTAL =	130

CONCRETE SIDEWALK, 6 IN.										
LOCATION	STA.	ТО	STA.	SF	SY					
2ND STREET	09+96.64	2	13+69.06	8891.107	987.9					
2ND STREET	14+36.11	151	18+55.51	9385.883	1042.9					
2ND STREET		STP-05E	,	90.445	10.0					
2ND STREET		STP-04W		790.965	87.9					
2ND STREET		STP-08E		77.065	8.6					
				TOTAL =	2137.3					

LOCATION	SIDE	STA.	TO	STA.	LF
SECOND STREET	LT	15+53.44	-	15+96.43	43
				TOTAL =	43

LOCATION	SIDE	STA.	ТО	STA.	LF
2ND STREET	LT	09+96.22	-	09+97.09	8
2ND STREET	LT	09+96.83		10+04.54	12
2ND STREET	LT	10+09.54		10+39.97	30
2ND STREET	LT	10+76.76	-	13+54.64	294
2ND STREET	LT	13+59.64		13+69.06	10
2ND STREET	LT	14+79.97	-	15+53.44	95
2ND STREET	LT	15+96.43	-	18+10.29	250
2ND STREET	LT	18+15.39	-	18+32.60	53
2ND STREET	LT	18+38.15	-	18+58.20	15
2ND STREET	RT	18+49.97	-	18+55.53	12
2ND STREET	RT	18+55.25	-	18+37.60	27
2ND STREET	RT	18+32.60	-	16+76.62	177
2ND STREET	RT	16+57.62	-	14+72.08	186
2ND STREET	RT	13+69.06	-	13+60.27	10
2ND STREET	RT	13+41.27	150	11+45.41	196
2ND STREET	RT	11+06.41	-	10+09.29	102
2ND STREET	RT	10+03.79	-	09+96.45	15
2ND STREET	RT	09+96.66	-	10+03.26	18
2ND STREET	LT	8	STP-01V	/	12.3
				TOTAL =	1522

	CURB	& GUTTER	TYPE	С	
LOCATION	SIDE	STA.	ТО	STA.	LF
2ND STREET	LT	10+85.49	-	13+69.06	318
				TOTAL =	318

LOCATION	SIDE	STA.	ТО	STA.	LF
2ND STREET	LT	09+97.09	120	72	5
2ND STREET	RT	09+97.09	-		5
2ND STREET	LT	10+04.54	-	10+09.54	5
2ND STREET	RT	10+04.54	-	10+09.54	5
2ND STREET	RT	13+48.27	-	13+53.27	5
2ND STREET	LT	13+54.64	-	13+59.64	5
2ND STREET	RT	16+64.62	-	16+69.62	5
2ND STREET	LT	18+10.39	-	18+15.39	5
2ND STREET	LT	18+32.60		18+37.60	5
2ND STREET	RT	18+32.69	-	18+37.66	5
2ND STREET	LT	18+55.25	2	7=0	5
2ND STREET	RT	18+55.25	-		5
				TOTAL =	60

e e				- 10	JIAL -
*CURB & GUTTE	R QUANTIT	IES TAKEN	FROM B	ACK OF (CURB

DRIVEWAY CURB & GUTTER								
LOCATION	SIDE	STA.	ТО	STA.	LF			
SECOND STREET	RT	11+06.41		11+45.41	39			
				TOTAL =	39			

*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			
2ND STREET	RT	10+10.98	-	11+00.05	209			
2ND STREET	LT	10+85.49	-	13+17.47	457			
2ND STREET	RT	12+06.87	-	13+27.82	224			
2ND STREET	RT	14+59.64	-	16+30.16	334			
2ND STREET	LT	15+00.42	-	17+89.39	523			
2ND STREET	RT	16+85.01	-	18+32.18	340			
				TOTAL =	2087			

INTERNATIONAL SYMBOL OF ACCESSIBILITY (PARKING SYMBOL)							
LOCATION	SIDE	STA.	ТО	STA.	EA		
SECOND STREET	RT	11+64.33	-		1		
SECOND STREET	RT	11+86.11	-	-	1		
SECOND STREET	RT	13+47.91	-	-	1		
SECOND STREET	LT	13+47.20		s -	1		
SECOND STREET	LT	13+54.86	-	-	1		
SECOND STREET	LT	14+75.18	-	2	1		
SECOND STREET	RT	16+41.28		-	1		
SECOND STREET	RT	16+63.06	-	-	1		
SECOND STREET	LT	18+10.15	-		1		
				TOTAL =	9		

	П	PAINT, TYPE	PBEAD	S	
LOCATION	SIDE	STA.	ТО	STA.	LF
2ND STREET	CL	10+03.79	-	-	30
2ND STREET	CL	10+10.29	-	:=-	30
2ND STREET	CL	18+32.19	-	-	28
2ND STREET	CL	18+38.60	-	-	30
				TOTAL =	118

	F	PAINT, TYPE	P BEA	DS	
LOCATION	SIDE	STA.	ТО	STA.	LF
2ND STREET	RT	11+45.80	-	12+06.87	217
2ND STREET	LT	13+17.47	(-)	13+82.58	224
2ND STREET	RT	13+27.82	(4)	13+82.67	236
2ND STREET	LT	14+59.58	-	15+00.42	174
2ND STREET	RT	16+30.16	-	16+85.01	160
2ND STREET	LT	17+89.39	-	18+32.39	86
				TOTAL =	1096

SEED	ING-CO	OL SEAS	SON GRAS	SES
STA.	ТО	STA.	SF	ACRE
	STP-01W	ŝ	207.605	0.0048
	STP-04W		2.885	0.0001
	STP-08E		38.104	0.0009
			TOTAL =	0.1

	PC	OSTS	
LOCATION	SIDE	STA.	EA
SECOND STREET	RT	10+10.79	1
SECOND STREET	LT	10+11.04	1
SECOND STREET	LT	13+32.25	1
SECOND STREET	LT	13+46.25	1
SECOND STREET	RT	13+61.66	1
SECOND STREET	LT	13+81.60	1
SECOND STREET	RT	13+81.60	1
SECOND STREET	LT	14+60.60	1
SECOND STREET	RT	14+60.60	1
SECOND STREET	LT	14+66.58	1
SECOND STREET	RT	16+56.22	1
SECOND STREET	RT	16+78.00	1
SECOND STREET	LT	17+96.39	1
SECOND STREET	LT	18+31.10	1
SECOND STREET	RT	18+31.19	1
		TOTAL =	15

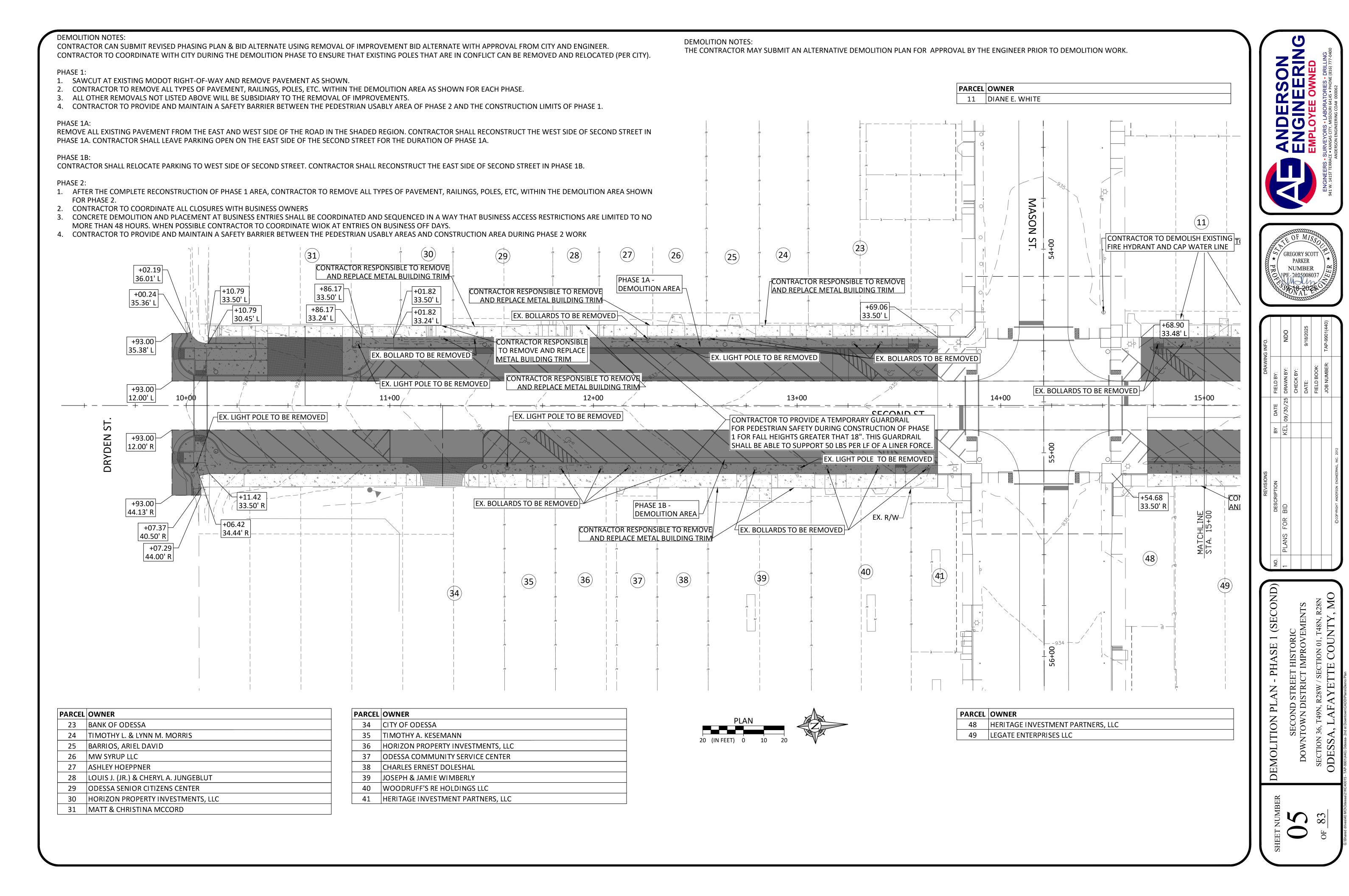
LOCATION	OIDT		FLAT SHEET	LIEIGI IT (III)	LENGTHAN	
LOCATION	SIDE	STA.	SIGN	HEIGHT (IN.)	LENGTH (IN.)	SF
SECOND STREET	RT	10+10.79	W11-2	30	30	6
SECOND STREET	RT	10+10.79	W16-7pR	12	24	2
SECOND STREET	LT	10+11.04	W11-2	30	30	6
SECOND STREET	LT	10+11.04	W16-7pL	12	24	2
SECOND STREET	RT	11+78.26	R7-8	18	12	2
SECOND STREET	RT	11+78.26	R7-8a	6	12	1
SECOND STREET	RT	11+99.86	R7-8	18	12	2
SECOND STREET	RT	11+99.86	R7-8a	6	12	1
SECOND STREET	LT	13+32.25	R7-8	18	12	2
SECOND STREET	LT	13+46.25	R7-8	18	12	2
SECOND STREET	LT	13+46.25	R7-8a	6	12	1
SECOND STREET	RT	13+61.66	R7-8	18	12	2
SECOND STREET	RT	13+61.66	R7-8a	6	12	1
SECOND STREET	LT	13+81.60	W11-2	30	30	6
SECOND STREET	LT	13+81.60	W16-7pR	12	24	2
SECOND STREET	RT	13+81.60	R1-1	30	30	6
SECOND STREET	RT	13+81.60	R1-4	6	18	1
SECOND STREET	RT	13+81.60	W11-2	30	30	6
SECOND STREET	RT	13+81.60	W16-7pL	12	24	2
SECOND STREET	LT	14+60.60	R1-1	30	30	6
SECOND STREET	LT	14+60.60	R1-4	6	18	1
SECOND STREET	LT	14+60.60	W11-2	30	30	6
SECOND STREET	LT	14+60.60	W16-7pL	12	24	2
SECOND STREET	RT	14+60.60	W11-2	30	30	6
SECOND STREET	RT	14+60.60	W16-7pR	12	24	2
SECOND STREET	LT	14+66.58	R7-8	18	12	2
SECOND STREET	LT	14+66.58	R7-8a	6	12	1
SECOND STREET	RT	16+56.22	R7-8	18	12	2
SECOND STREET	RT	16+78.00	R7-8	18	12	2
SECOND STREET	RT	16+78.00	R7-8a	6	12	1
SECOND STREET	LT	17+96.39	R7-8	18	12	2
SECOND STREET	LT	18+31.10	W11-2	30	30	6
SECOND STREET	LT	18+31.10	W16-7pR	12	24	2
SECOND STREET	RT	18+31.19	W11-2	30	30	6
SECOND STREET	RT	18+31.19	W16-7pL	12	24	2
OLOOND OTTLET	131	10101.10	VVIO-1PL	12	TOTAL =	102

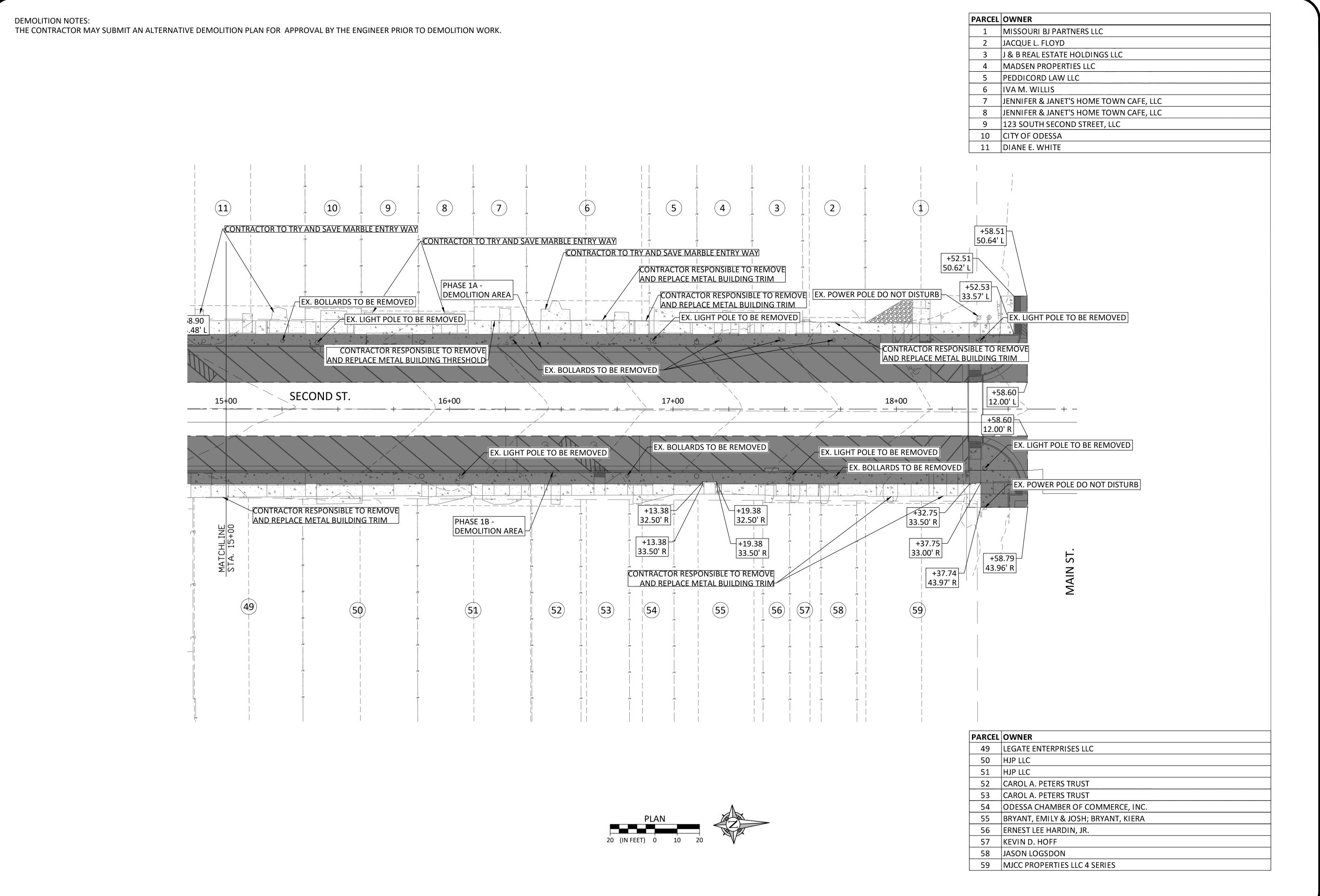
HAND-RAILING FOR	STEPS	WITHOUT	BAUL	STERS

LOCATION	SIDE	STA.	ТО	STA.	LENGTH (FT)
2ND STREET	LT	10+14.57		10+33.97	19.4
2ND STREET	LT	10+86.42	#	11+01.82	15.4
2ND STREET	LT	11+17.92	-	11+45.98	28.1
2ND STREET	LT	11+54.91	-	11+89.53	34.6
2ND STREET	LT	12+02.11	-	12+21.03	18.9
2ND STREET	LT	12+26.43	-	12+52.84	26.4
2ND STREET	LT	12+79.61	-	13+04.58	25.0
2ND STREET	LT	13+17.47	-	13+69.06	51.6
2ND STREET	LT	15+01.35	-	15+13.22	11.9
2ND STREET	LT	15+17.91	=	15+35.61	17.7
2ND STREET	LT	15+40.17	=	15+57.44	17.3
2ND STREET	LT	15+92.43	3	16+08.42	16.0
2ND STREET	LT	16+18.67	-	16+31.03	12.4
2ND STREET	LT	16+35.60	_	16+59.20	23.6
2ND STREET	LT	16+70.36	=	16+83.02	12.7
2ND STREET	LT	16+89.00	¥	17+08.72	19.7
2ND STREET	LT	17+18.49	+	17+29.44	11.0
2ND STREET	LT	17+33.44	-	17+50.41	17.0
2ND STREET	LT	17+55.17	20	17+66.21	11.0
2ND STREET	RT	11+67.14		11+78.14	14.0
2ND STREET	RT	12+70.36	Ψ.	12+90.45	20.1
2ND STREET	RT	13+08.67	-	13+24.10	15.4
2ND STREET	RT	14+84.21	-	15+35.50	51.3
2ND STREET	RT	15+40.50	-	15+75.00	34.5
2ND STREET	RT	15+87.52	$\overline{\sigma}$	16+09.75	22.2
2ND STREET	RT	16+14.70	22	16+36.17	21.5
2ND STREET	RT	16+42.43	-	16+54.61	12.2
2ND STREET	RT	16+79.71	-	16+91.01	11.3
2ND STREET	RT	17+00.33	2	17+21.71	21.4
2ND STREET	RT	17+38.22	H	17+46.16	7.2
2ND STREET	RT	17+51.78	2	17+59.77	15.0
2ND STREET	RT	17+65.06	5	17+73.95	8.9
				TOTAL =	644

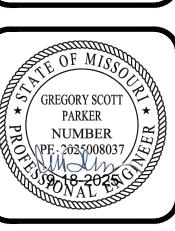
		1			
	REVISIONS			DRAWIN	DRAWING INFO.
	DESCRIPTION	ВУ	DATE	FIELD BY:	
l	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	NDO
				CHECK BY:	
1				DATE:	9/18/2025
1				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440
	CCOPYRIGHT ANDERSON FNGINFFRING INC 2012				

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



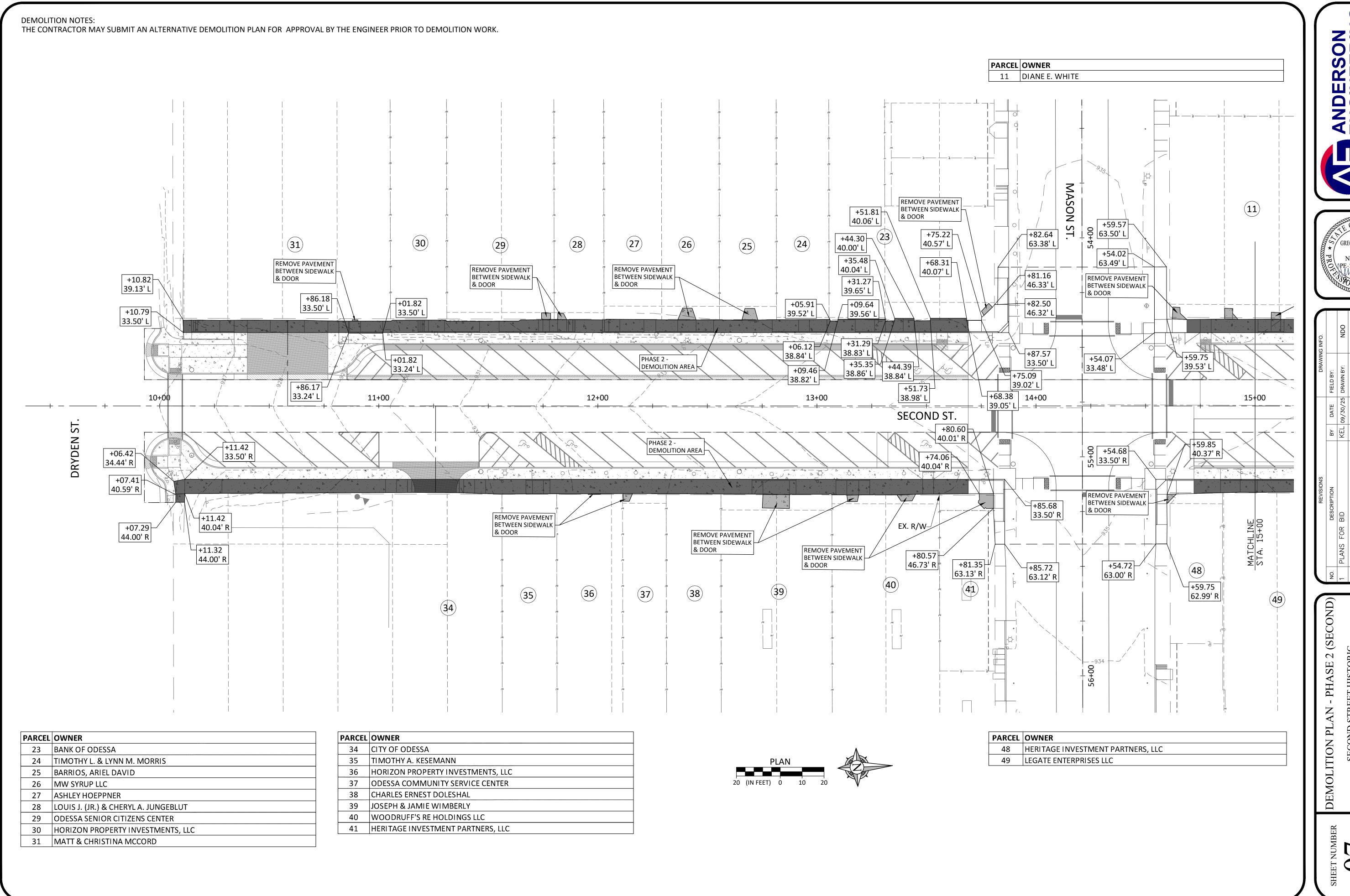




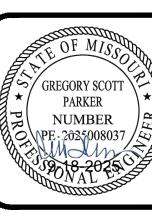


	DRAWING INFO.		NDO		9/18/2025		TAP-9901(440)	
	DRAWIN	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
		DATE	09/30/25					
		ВУ	KEL					
	REVISIONS	DESCRIPTION	PLANS FOR BID					
1		Ŏ.	_					

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS



ANDERSON ENGINEERING EMPLOYEE OWNED



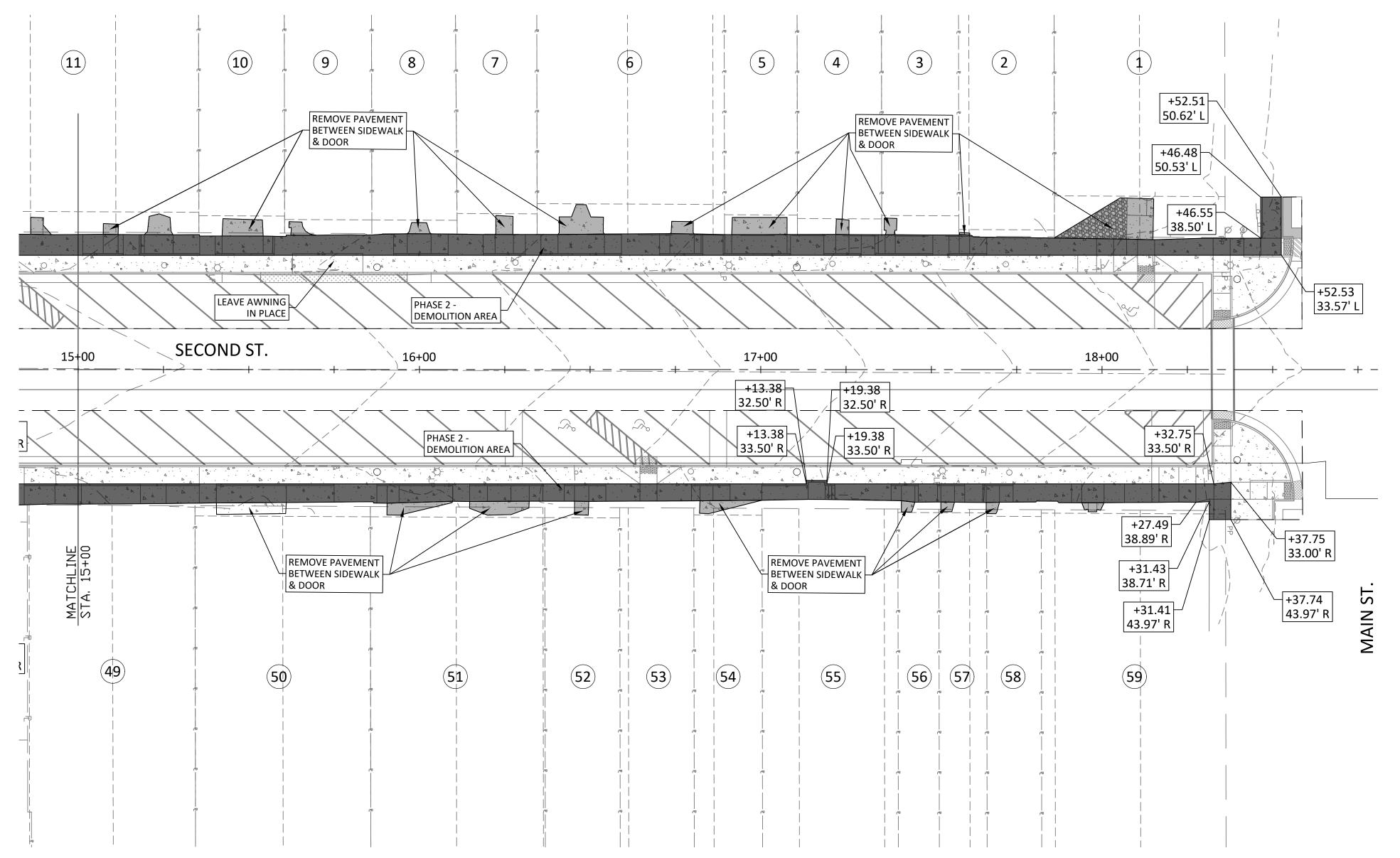
REVISIONS			DRAWIN	DRAWING INFO.
DESCRIPTION	ВУ	DATE	FIELD BY:	
LANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	ND
			CHECK BY:	
			DATE:	9/18/2
			FIELD BOOK:	
			JOB NUMBER:	TAP-990
©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

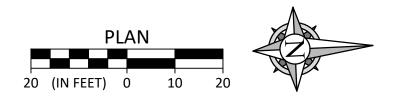
SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS

DEMOLITION NOTES:

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

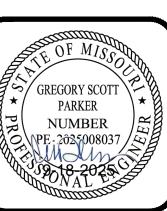






PARCEL	OWNER
49	LEGATE ENTERPRISES LLC
50	HJP LLC
51	HJP LLC
52	CAROL A. PETERS TRUST
53	CAROL A. PETERS TRUST
54	ODESSA CHAMBER OF COMMERCE, INC.
55	BRYANT, EMILY & JOSH; BRYANT, KIERA
56	ERNEST LEE HARDIN, JR.
57	KEVIN D. HOFF
58	JASON LOGSDON
59	MJCC PROPERTIES LLC 4 SERIES

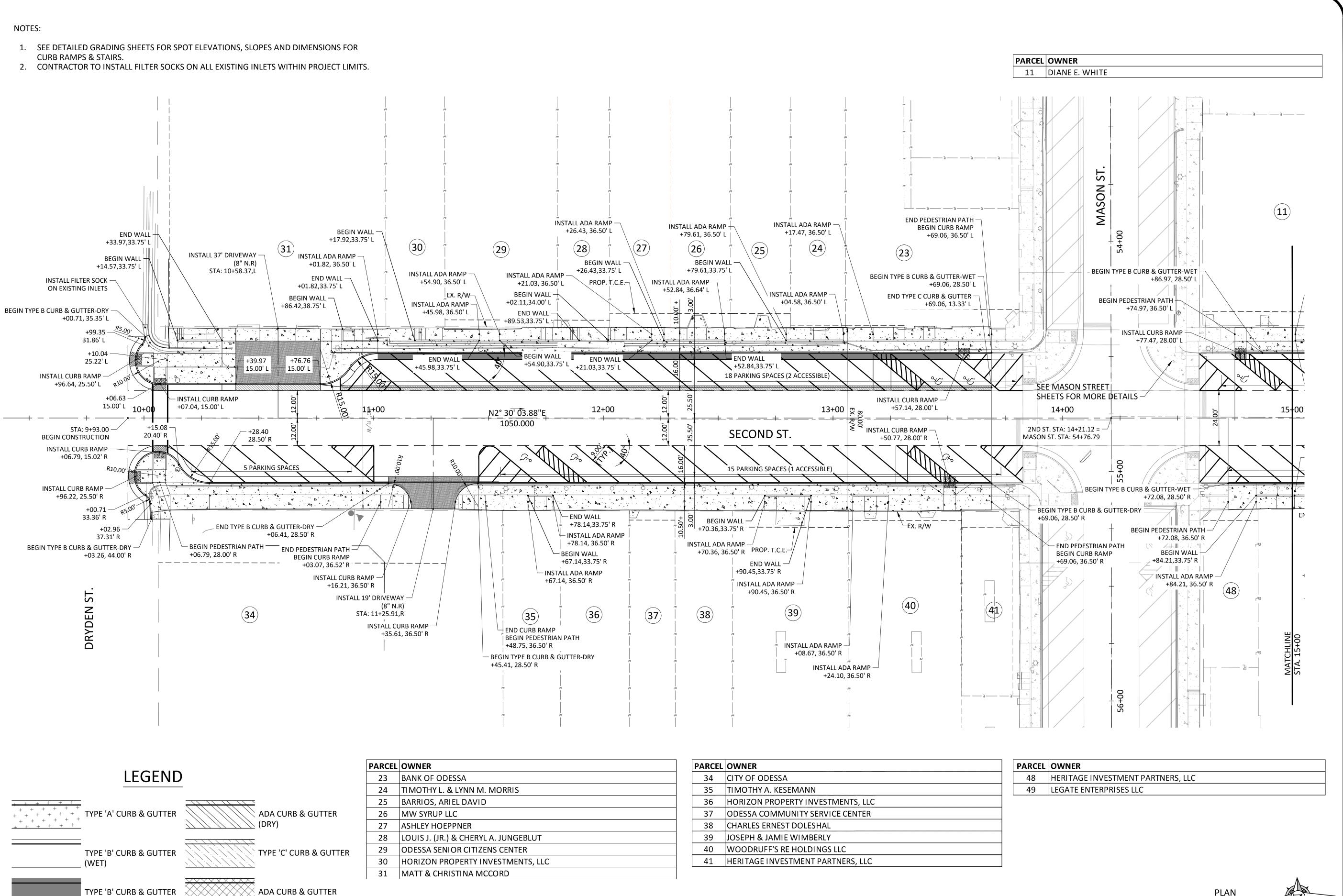




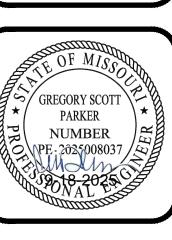
	DRAWING INFO.		NDO		9/18/2025		TAP-9901(440	
	DRAWIN	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
		DATE	09/30/25					
		ВУ	KEL					
	REVISIONS	DESCRIPTION	PLANS FOR BID					©COPYRIGHT ANDERSON ENGINEERING, INC. 2012
-		NO.	_					

		REVISIONS
ASE 2 (SECOND)	NO.	DESCRIPTION
	—	PLANS FOR BID
STORIC		
PROVEMENTS		

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N ODESSA, LAFAYETTE COUNTY, MO SECOND STREET HIS DOWNTOWN DISTRICT IMF DEMOLITION PLAN - PHA



ANDERSON
ENGINEERS • SURVEYORS • LABORATORIES • DRILLING
941 W. 141ST TERRACE • KANSAS CITY, MISSOUR 64145 • PHONE (816) 777-0400



	DRAWING INFO.		ND		9/18/2		TAP-990	
	DRAWIN	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
		DATE	09/30/25					
		ВУ	KEL					
	REVISIONS	DESCRIPTION	PLANS FOR BID					
1		Š.	_					

GENERAL PLAN
SECOND STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
FCTION 36, 749N, R28W / SECTION 01, 748N, R28N

PLAN
(IN FEET) 0 10 20

NOTES:

1. SEE DETAILED GRADING SHEETS FOR SPOT ELEVATIONS, SLOPES AND DIMENSIONS FOR

TYPE 'B' CURB & GUTTER _ (WET)

TYPE 'B' CURB & GUTTER (DRY)

TYPE 'C' CURB & GUTTER

ADA CURB & GUTTER (WET)

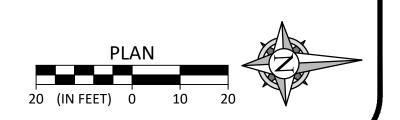
CURB RAMPS & STAIRS.

2. CONTRACTOR TO INSTALL FILTER SOCKS ON ALL EXISTING INLETS WITHIN PROJECT LIMITS.

PARCEL	OWNER
1	MISSOURI BJ PARTNERS LLC
2	JACQUE L. FLOYD
3	J & B REAL ESTATE HOLDINGS LLC
4	MADSEN PROPERTIES LLC
5	PEDDICORD LAW LLC
6	IVA M. WILLIS
7	JENNIFER & JANET'S HOME TOWN CAFE, LLC
8	JENNIFER & JANET'S HOME TOWN CAFE, LLC
9	123 SOUTH SECOND STREET, LLC
10	CITY OF ODESSA
11	DIANE E. WHITE

				10 CITY OF ODESSA
				11 DIANE E. WHITE
		-ба - Га -		
	INSTALL ADA RAMP			
I INSTALL ADA RAMP	END TYPE A CURB & GUTTER +29.45, 36.50' L			
INSTALL ADA RAMP +40.16, 36.50' L +01.35, 36.50' L	+96.43, 28.50' L END WALL —	 		. •
/ HEGINWALL	- END TRANSITION +29.44,33.75' L			
INSTALL ADA RAMP	BEGIN TYPE B CURB & GUTTER INSTALL ADA RAMP	INSTALL ADA RAMP		Z
	+03.42, 28.50' L +59.20, 36.50' L	+66.21, 36.50' L		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{pmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 $	(3) (2)		$\sum_{i=1}^{n}$
	+08.42, 36.50' L			
/ / END TYPE B CURB & GUTTER BEGIN TRANSITION		+55.16, 36.50' L		
+42.16, 28.50' L	T10.07, 50.50 L INSTALL ADA PAMP -	PEGIN WALL P	PEDESTRIAN PATH —	
/ // BEGIN WALL	BEGIN WALL +18.49, 36.50' L +18.49, 36.50' L	+55.17,33.75°L	EGIN CURB RAMP +43.25, 36.00' L	
	/ / / / / / NS	TALL ADA RAMP — \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ESTRIAN PATH
/ / / END WALL /	/ / / +31.03, 36.50' L / +18.49,33.75' L / \		CURB RAMP	
//// +50.71,33.75' L			5.06, 27.37' L \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ +52.51,	PE B CURB & GUTTER-DRY
PROP. T.C.E BEGIN TYPE A CURB & GUTTER	+35.59, 36.50' L +08.72, 36.50' L \\	+ 00 00 00 00 00 00 00 00 00 00 00 00 00		
+++53.44, 28.50' L	+ BEGIN WALL / BEGIN WALL		+52.53	
	+35.60,33.75' L +70.36,33.75' L .	7 9	38.30	-
		END WALL +66.21,33.75' L	INS	ALL CURB RAMP
0 0000000000000000000000000000000000000	END WALL		+55	.51, 36.00' L
END WALL	+59.20,33.75' L +59.20,33.75' L	BEGIN WALL		
END WALL +57.44,33.75' L +57.44,33.75' L	+31.03,33.75' L	+33.44,33.75' L +12.89, 28.50' L	S Prop	
	END WALL +49.89,33.75' L END WALL			
\INSTALL ADA RAMP ─ \	+44.88,33.75' L 24 PARKING SPACES (2 ACCESSIBLE) +83.02,33.75' L	18+00	+32.56 — INSTALL CURB RAMP 28.50' L +35.10, 15.06' L	
15-00 +35.61, 36.50' L +92.43,33.75' L 16+00		18+00 		19+00 19+50
BEGIN WALL END WALL END WALL	INSTALL CURB RAMP	SECOND CT	+32.74 — INSTALL CURB RAMP	STA: 18+58.60
+01.35,33.75' L +35.61,33.75' L +08.42,33.75' L	+67.12, 28.00' R	SECOND ST.	28.50' R +35.19, 15.05' R	END CONSTRUCTION
BEGIN WALL +00.97,33.75' R 24 PARKING SPACES (2 ACCESSIBLE)		79 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	RAZIO	
BEGIN WALL END WALL	BEGIN WALL	BEGIN WALL +38.22,33.75' R		NSTALL CURB RAMP
+40.50,33.75' R +75.00,33.75' R		+36.22,53.75 N		55.71, 35.50' R
	BEGIN WALL			- +49.97
	+79.71,33.75' R		4.	38.00' R
END WALL +18.26,	EX. R/W	[5] / S		
33.75' R PROP. T.C.E.	BEGIN WALL +00.33,33.75' R		+49.97, 4	B CURB & GUTTER-DRY 4.00' R
□ INSTALL ADA RAMP // INSTALL ADA RAMP	/ INSTALL ADA RA		\ \	
+35.50, 36.50' R	/ +38.22, 36.5	50' R	END PEDEST BEGIN CURE	
#75.00, 36.50' R // +09.75,33.75' R		MP	+43.40, 35.5	0' R
E +25.79,33.75' R BEGIN WALL —//		INSTALL ADA RAMP	END PEDESTRIA	
+87.52,33.75' R /		+73.95, 36.50' R	BEGIN CURB RA +35.23, 27.36' R	
+35.50,33.75' R INSTALL ADA RAMP —/ INSTALL ADA RAMP —/ +09.75.36.50' R	END WALL —	ND WALL		
+87.52, 30.30 K		6,33.75' R +65.06,33.75' R	_	
(49) INSTALL ADA RAMP — +14.70, 36.50' R	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \sqrt{56} $ $ \sqrt{57} $ $ \sqrt{58} $	59	
re re		(a) (b)		
		SIN WALL END WALL 3,33.75' R +59.77,33.75' R		PARCEL OWNER
	BEGIN WALL — INSTALL ADA RAMP			49 LEGATE ENTERPRISES LLC
+	+42.43,33.75' R +54.61, 36.50' R	INSTALL ADA RAMP +59.77, 36.50' R		50 HJP LLC
l II	NSTALL ADA RAMP —	+59.77, 30.30 K		51 HJP LLC
r i	+42.43, 36.50' R			52 CAROL A. PETERS TRUST
				53 CAROL A. PETERS TRUST
				54 ODESSA CHAMBER OF COMMERCE, INC.
LEGEND				55 BRYANT, EMILY & JOSH; BRYANT, KIERA
				56 ERNEST LEE HARDIN, JR.
				57 KEVIN D. HOFF
+ TVDE 'A' CLIPP & CLITTED				
+ TYPE 'A' CURB & GUTTER ADA CURB & GUTTER (DRY)				58 JASON LOGSDON EQ. MICC PROPERTIES I.I.C.4 SERIES
				59 MJCC PROPERTIES LLC 4 SERIES

PLAN
20 (IN FEET) 0 10 20



ANDERSON
ENGINEERS · SURVEYORS · LABORATORIES · DRILLING
941 W. 1415T TERRACE · KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-0400

* PRO	GREGORY SCOTT PARKER NUMBER NPF: 2025008037	
ROY		

	REVISIONS			DRAWIN	DRAWING INFO.
DESCRIPTION		ВУ	DATE	FIELD BY:	
PLANS FOR BID		KEL	09/30/25	KEL 09/30/25 DRAWN BY:	NDO
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440)
©COPYRIGHT ANDERSON ENGINEERING, INC. 2012	SINEERING, INC. 2012				

GENERAL PLAN
SECOND STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS

MBER
SECON
DOWNTOWN

SECTION 36, 149N

ODESSA LAI

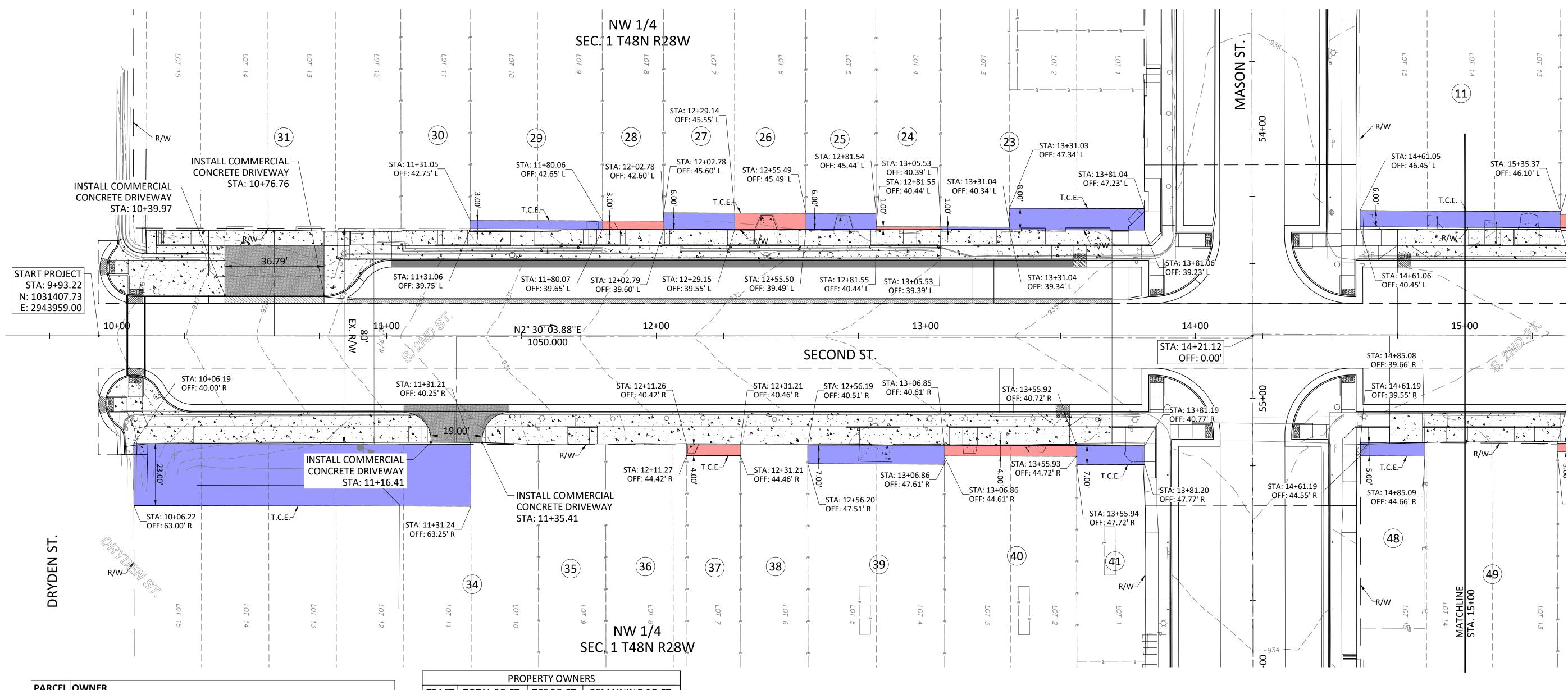


	PRO	PERTY OWNE	ERS
TRACT	TOTAL SQ.FT.	TCE SQ.FT.	REMAINING SQ.FT
23	5968	426	5968
24	3136	24	3136
25	3136	156	3136
26	3136	158	3136
27	3136	158	3136
28	3136	68	3136
29	6273	147	6273
30	3136		3136
31	12502		12502

PARCEL	OWNER

11 DIANE E. WHITE

	PRO	PERTY OWNE	ERS
TRACT	TOTAL SQ.FT.	TCE SQ.FT.	REMAINING SQ.FT.
11	6926	446	6926



PARCEL	OWNER
34	CITY OF ODESSA
35	TIMOTHY A. KESEMANN
36	HORIZON PROPERTY INVESTMENTS, LLC
37	ODESSA COMMUNITY SERVICE CENTER
38	CHARLES ERNEST DOLESHAL
39	JOSEPH & JAMIE WIMBERLY
40	WOODRUFF'S RE HOLDINGS LLC
41	HERITAGE INVESTMENT PARTNERS, LLC

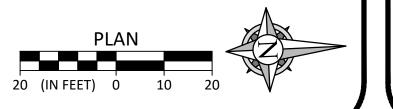
	PRO	PERTY OWNE	ERS
TRACT	TOTAL SQ.FT.	TCE SQ.FT.	REMAINING SQ.FT.
34	18731	2876	18731
35	3136		3136
36	3703		3703
37	2526	80	2526
38	3136		3136
39	6273	355	6273
40	6229	197	6229
41	2004	397	2004

PARCEL OWNER

48 HERITAGE INVESTMENT PARTNERS, LLC

49 LEGATE ENTERPRISES LLC

	PRO	PERTY OWNE	ERS
TRACT	TOTAL SQ.FT.	TCE SQ.FT.	REMAINING SQ.FT.
48	1642	120	1642
49	6074		6074



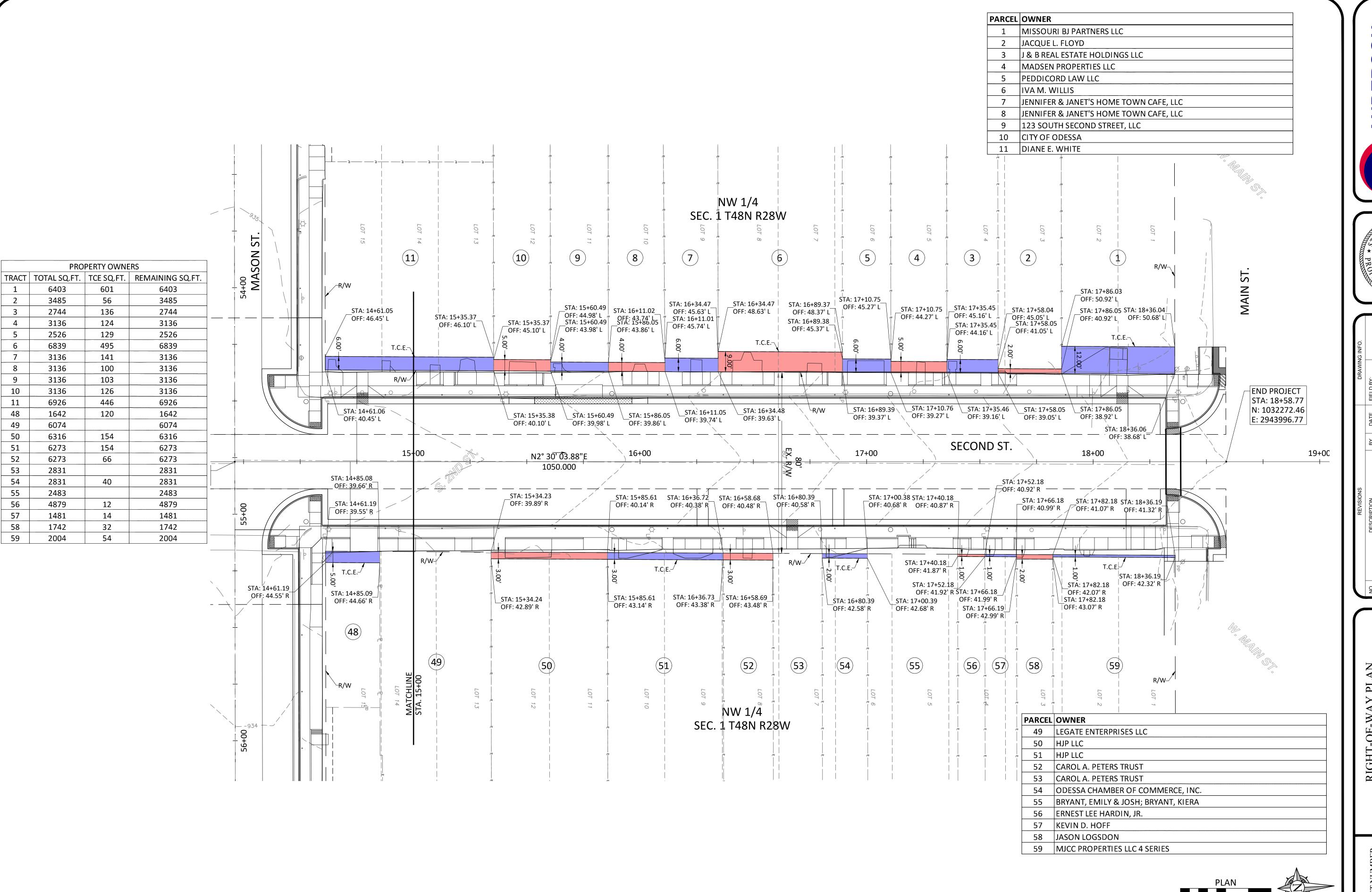
ENGINEERS • SURVEYORS • LABORATORIES • DRILLING
941 W. 1415T TERRACE • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-0400
ANDERSON ENGINEERING COA# 000062



1	SINCISITAE				
	NEVISIONS			YIMAYA	DRAWING INFO.
O	DESCRIPTION	ВУ	DATE	FIELD BY:	
—	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	NDO
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(4 ²

RIGHT-OF-WAY PLAN
SECOND STREET HISTORIC
OWNTOWN DISTRICT IMPROVEMENTS
CTION 36, 749N, R28W / SECTION 01, 748N, R28N

SHEET NUMBER





GREGORY SCOTT PARKER

NUMBER

REVISIONS			DRAWIN	DRAWING INFO.
DESCRIPTION	ВУ	DATE	FIELD BY:	
PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	QN
			CHECK BY:	
			DATE:	9/18/2
			FIELD BOOK:	
			JOB NUMBER:	TAP-990
(C) COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

RIGHT-OF-WAY PLAN



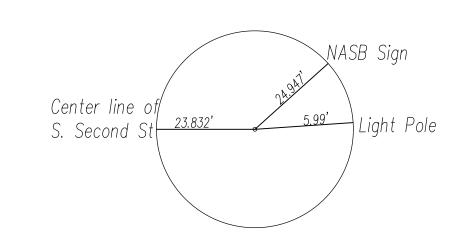


	DRAWING INFO.		NDO		9/18/202		TAP-9901(
	DRAW	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
		DATE	09/30/25					
ı		Β	KEL					
	REVISIONS	DESCRIPTION	PLANS FOR BID					CODYRIGHT ANDERSON FNGINFFRING INC 2012

o N C

NUM 83

CONTROL POINT ONLY (11)



Trash Cai Light Pole

CONTROL POINT ONLY

(12)

Power Po Fire Hydran

CONTROL POINT ONLY

(15)

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

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

N: 1031798.390 (GRID)

E: 2943958.140 (GRID)

E: 2943965.79 (GROUND) N: 1031876.640 (GRID) E: 2943965.790 (GRID)

N: 1031876.64 (GROUND)

N: 1031427.830 (GRID)

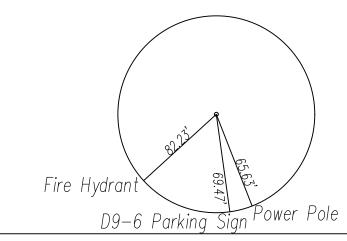
N: 1031417.050 (GRID) E: 294383.380 (GRID)

CONTROL POINT ONLY

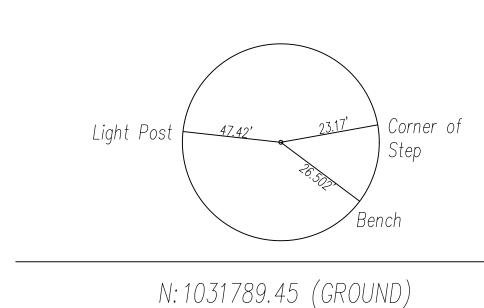
(23)

CONTROL POINT ONLY (27)

CONTROL POINT ONLY (18)



Trash Can \Power Pole



D9–6 Parking Sign
Power Pole N: 1032319.17 (GROUND) E: 2943979.03 (GROUND)

E: 2943999.57 (GROUND) N: 1031867.620(GRID)

E: 2943999.570 (GRID)

N: 1031867.62 (GROUND)

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

E: 2943992.69 (GROUND)

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

(2011 ADJUSTMENT)

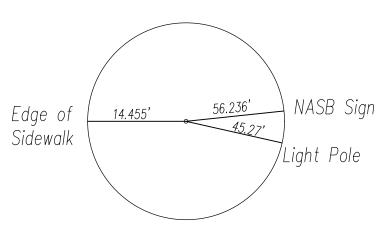
VERTICAL DATUM:

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)

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

NAVD 88 w/ GEOID 18



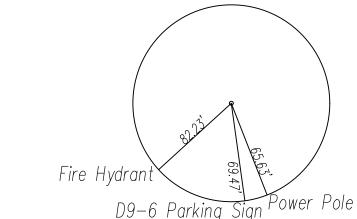
CONTROL POINT ONLY

(10)

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

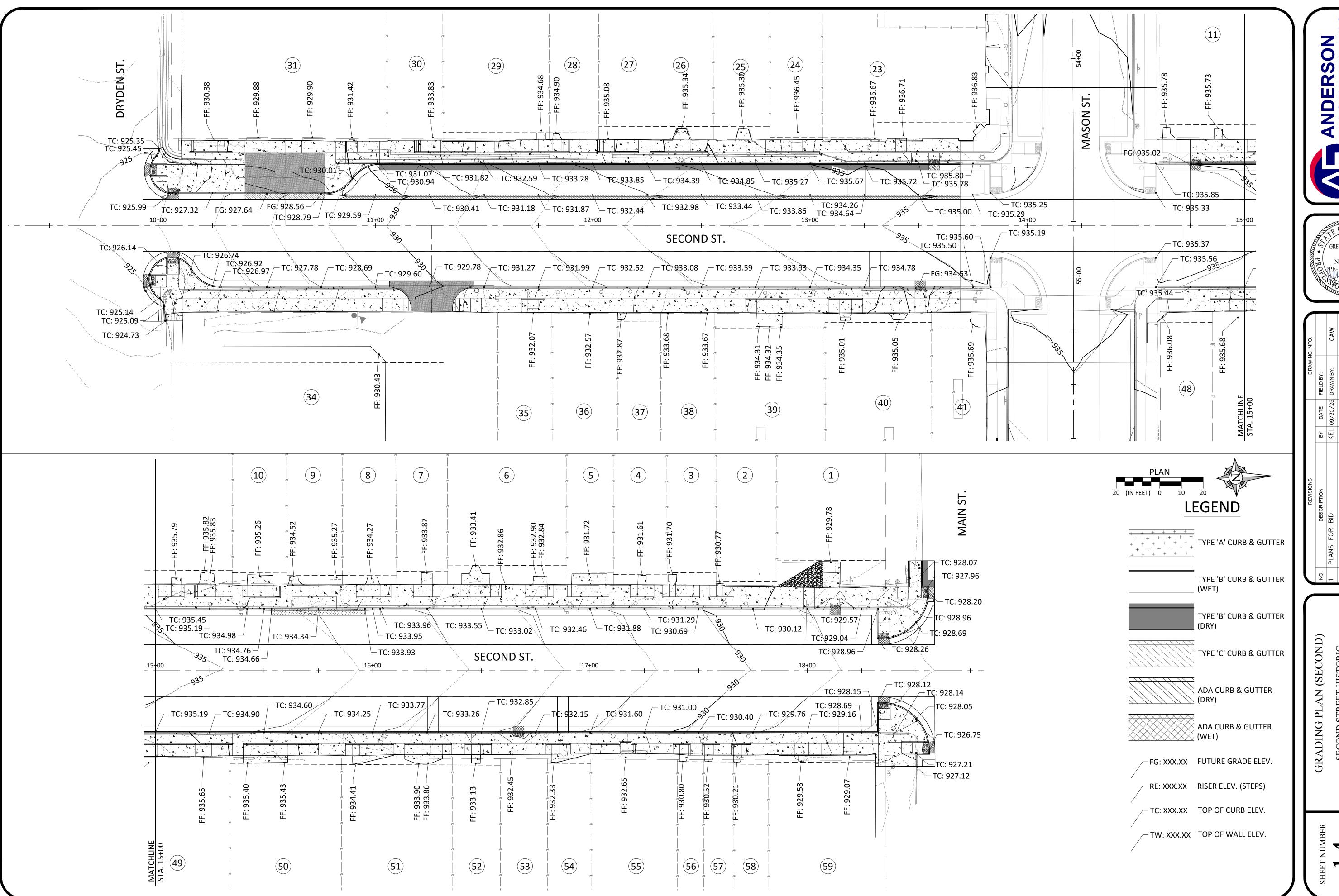
E: 2943946.030 (GRID)

CONTROL POINT ONLY (19)



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

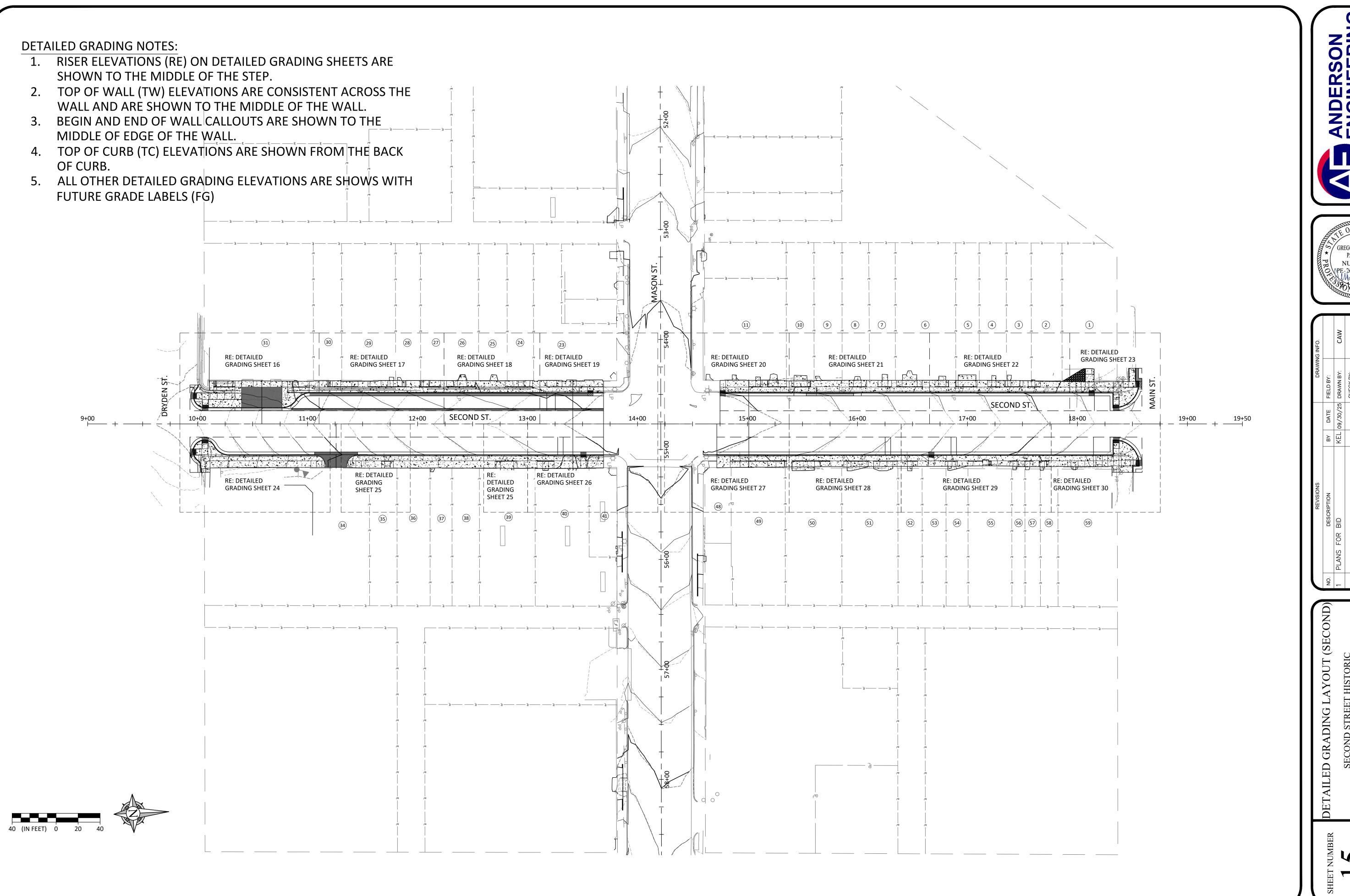
N: 1032313.310 (GRID) E: 2944015.960 (GRID)



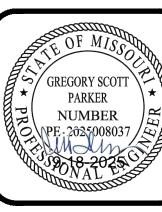




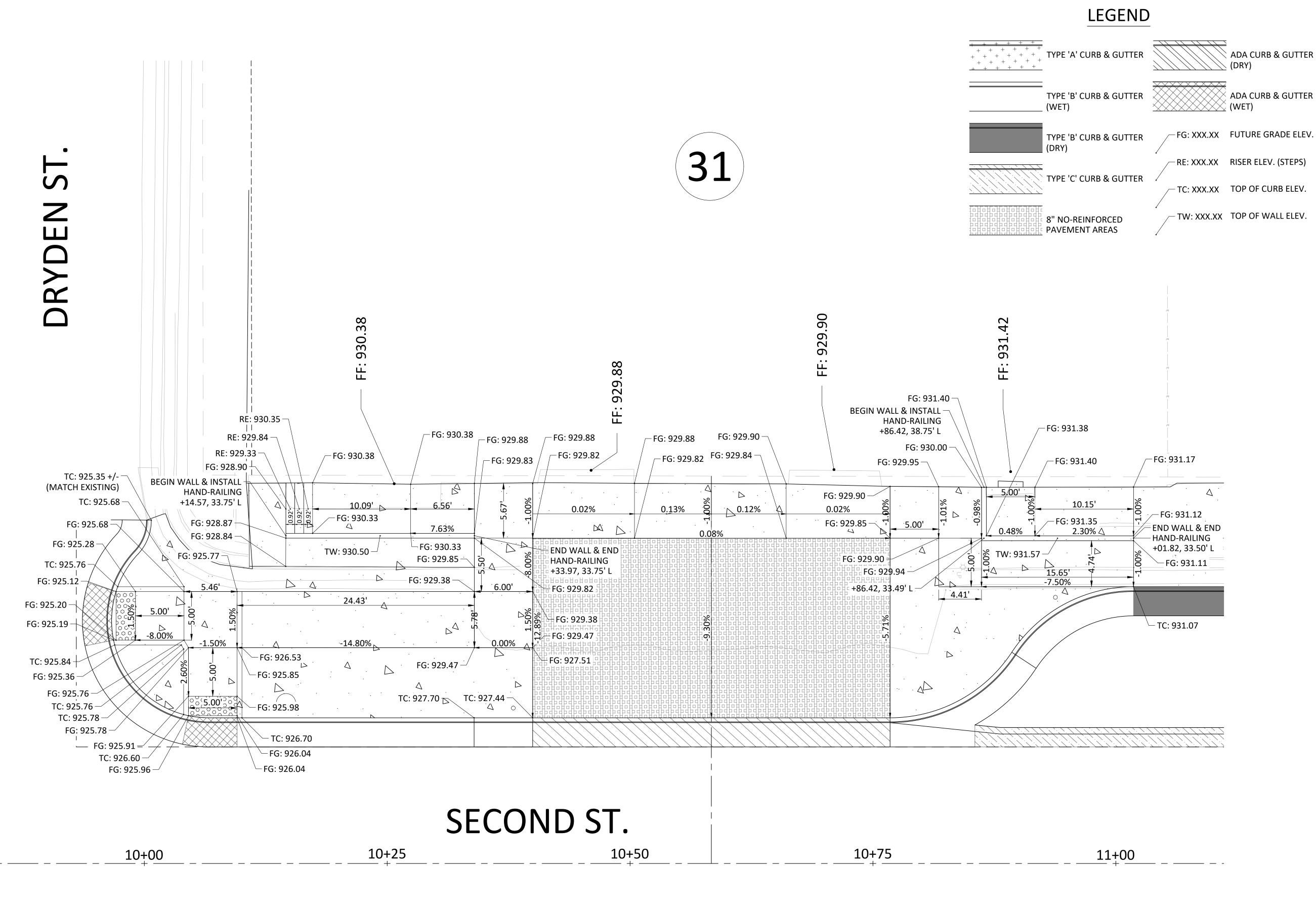
DRAWING INFO				9/1		TAP-6
DRAWI	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:
	DATE	09/30/25				
	ВУ	KEL				
REVISIONS	DESCRIPTION	NS FOR BID				







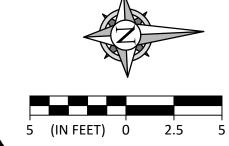
	REVISIONS			DRAWING INFO.	IG INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440
	CODYRIGHT ANDERSON ENGINEERING INC 2012				

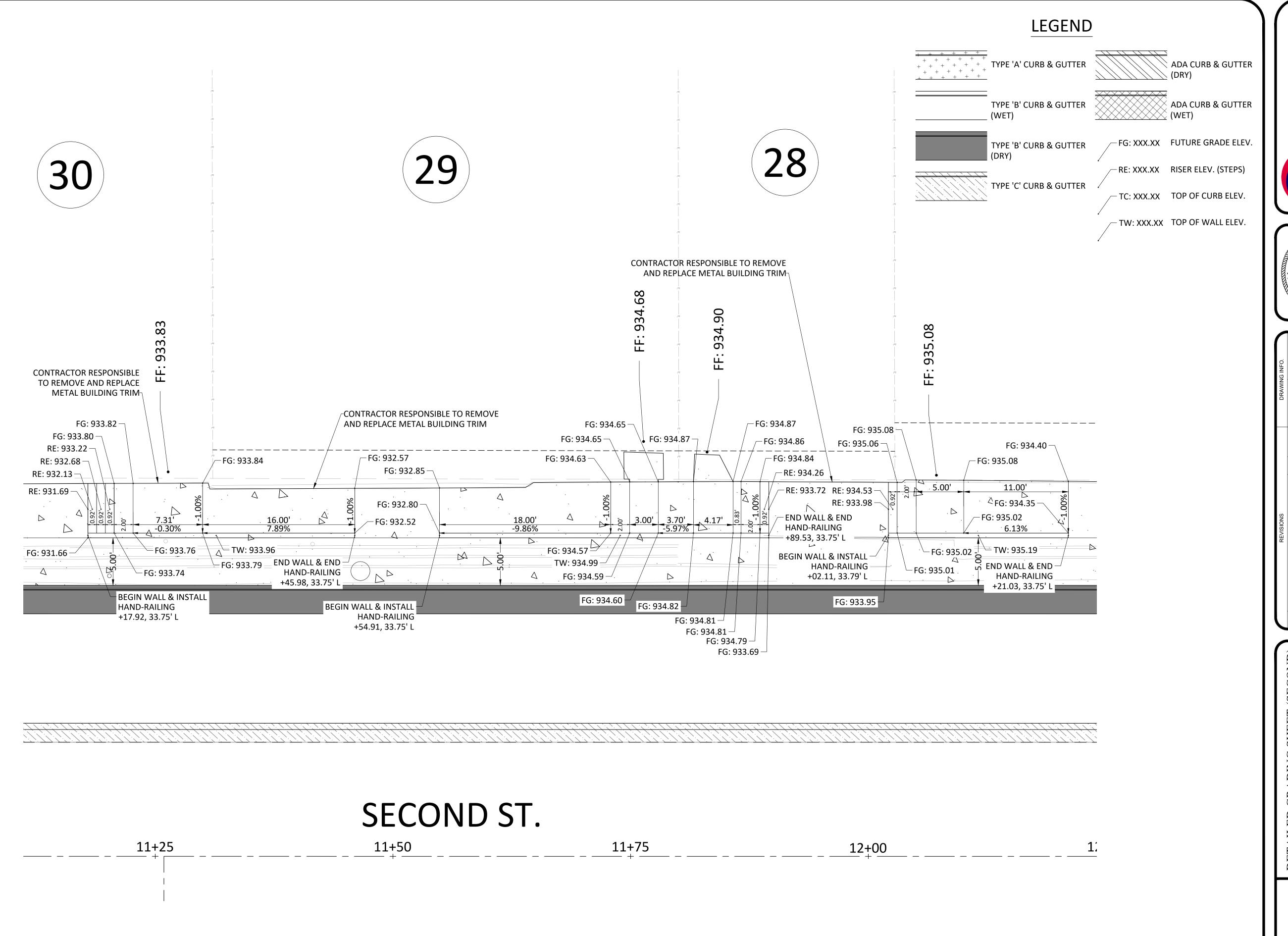






	REVISIONS			DRAWING INFO.	IG INFO.
Š.	DESCRIPTION	ВУ	DATE	FIELD BY:	
_	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440)
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				



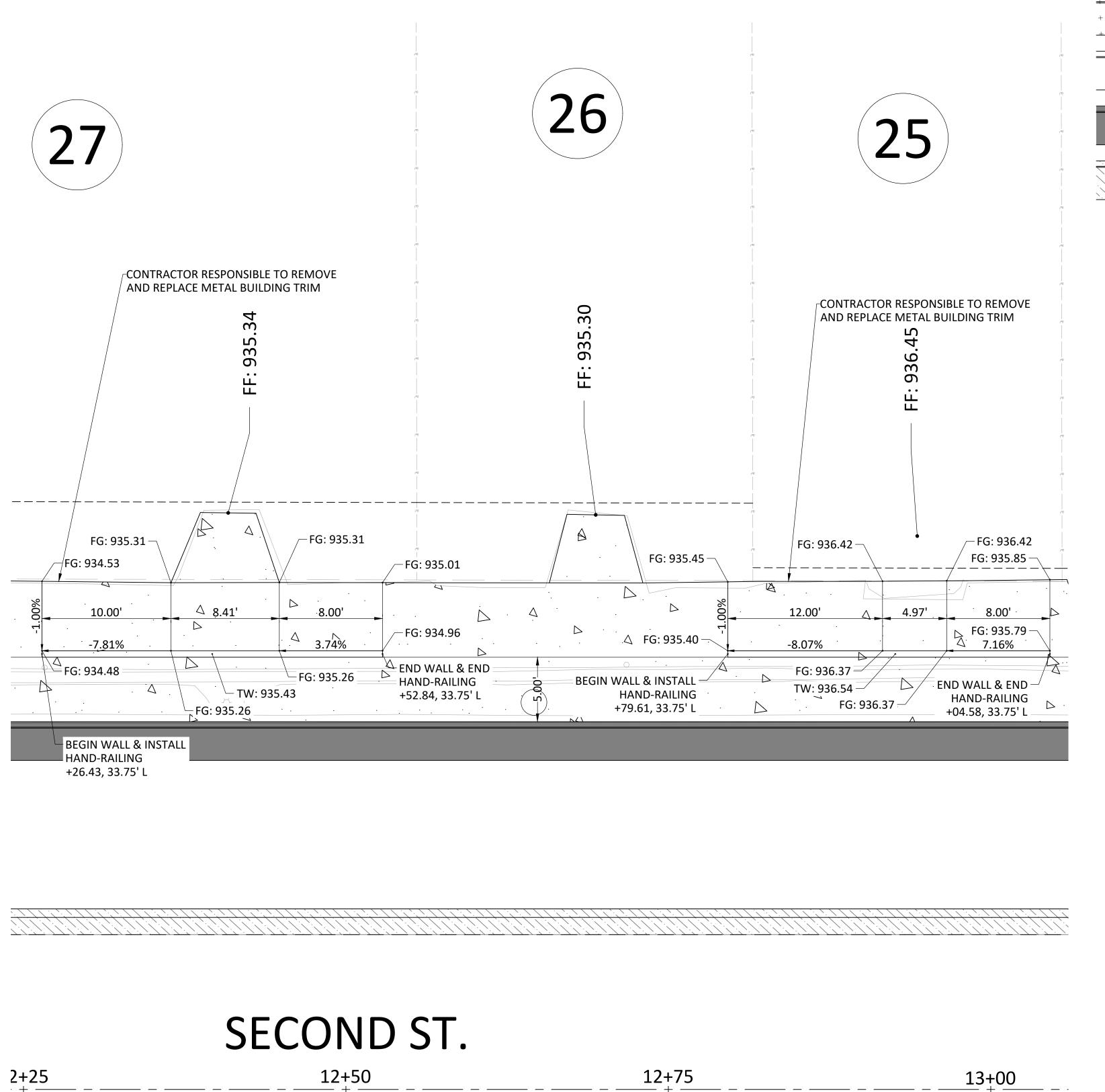


5 (IN FEET) 0 2.5 5





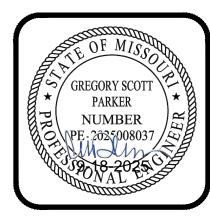
PLANS FG	DRAWING INFO.	BY DATE FIELD BY:	KEL 09/30/25 DRAWN BY: CAW	CHECK BY:	DATE: 9/18/2025	FIELD BOOK:	JOB NUMBER: TAP-9901(440)	
■ Z —	REVISIONS	NO. DESCRIPTION	1 PLANS FOR BID					



LEGEND

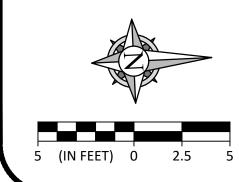
+ + + + + + + + + + + + + + + + + + +	ADA CURB & GUTTER (DRY)
TYPE 'B' CURB & GUTTER (WET)	ADA CURB & GUTTER (WET)
TYPE 'B' CURB & GUTTER (DRY)	FG: XXX.XX FUTURE GRADE ELEV.
	RE: XXX.XX RISER ELEV. (STEPS)
TYPE 'C' CURB & GUTTER	TC: XXX.XX TOP OF CURB ELEV.
	TW: XXX.XX TOP OF WALL ELEV.

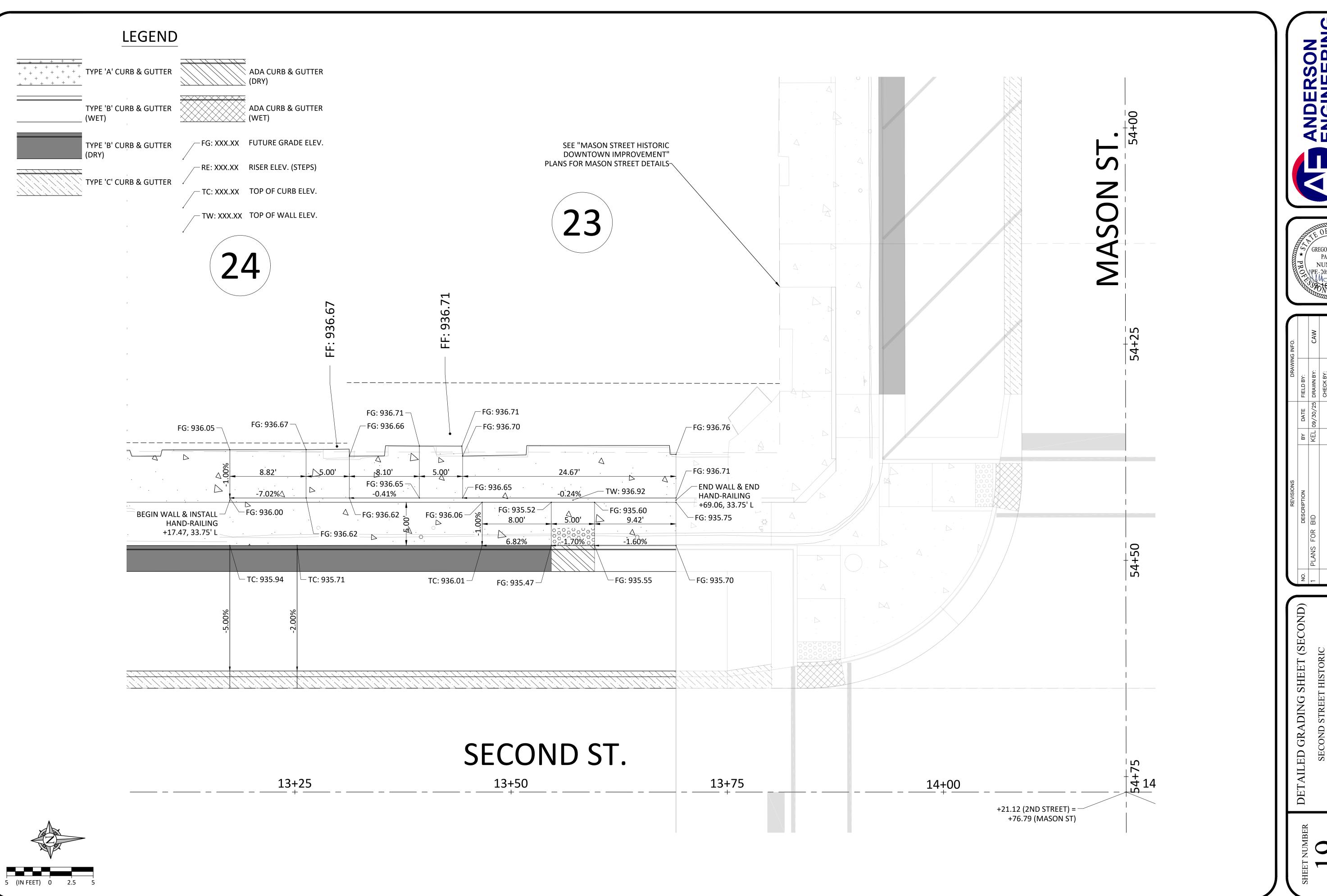




DRAWING INFO.		.Y: CAW	·	9/18/2025	OK:	BER: TAP-9901(440)	
]	FIELD BY:	DRAWN B	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
	DATE	KEL 09/30/25 DRAWN BY:					
	ВУ	KEL					
REVISIONS	DESCRIPTION	PLANS FOR BID					©COPYRIGHT ANDERSON ENGINEERING, INC. 2012
	Š.	_					

 ∞

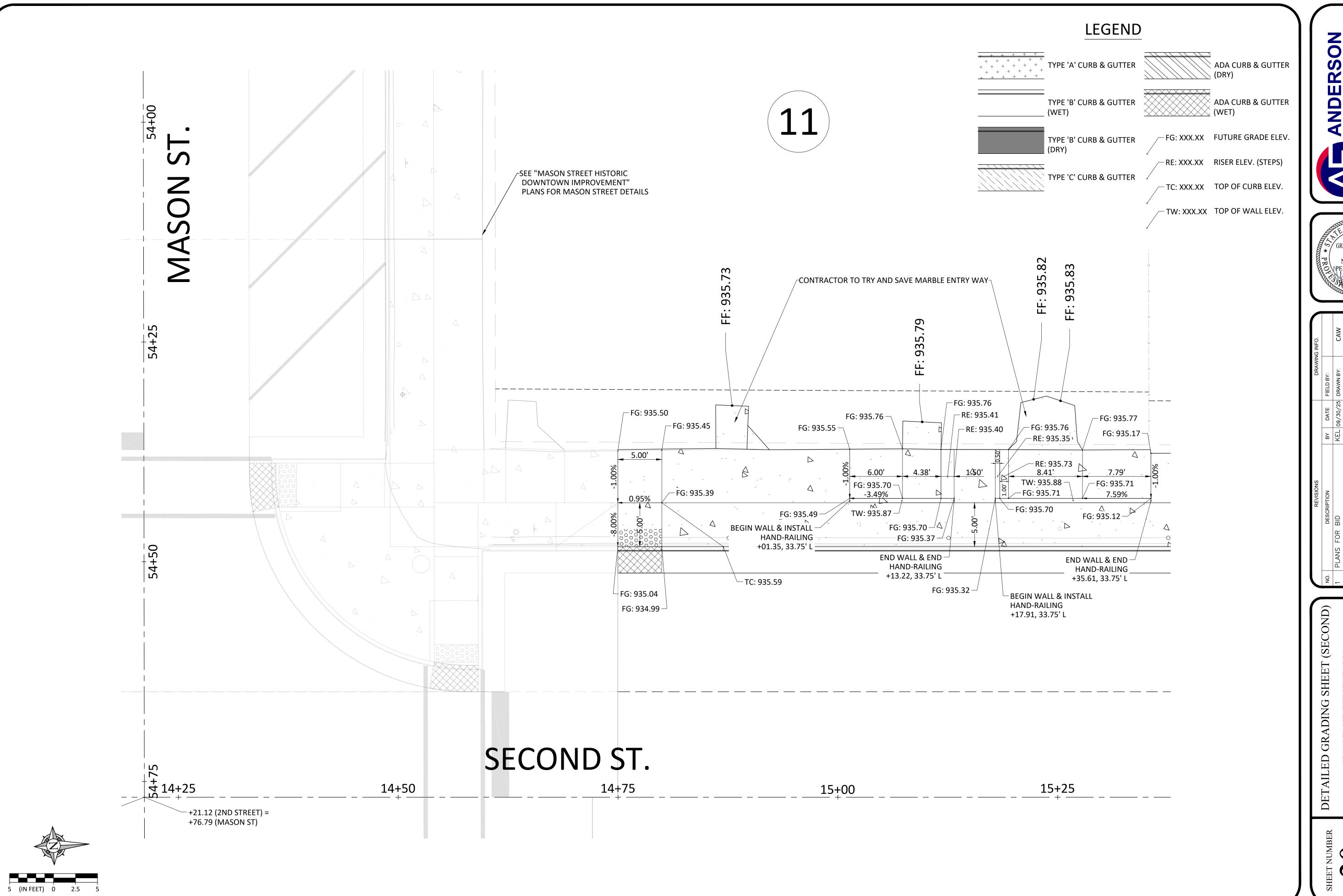




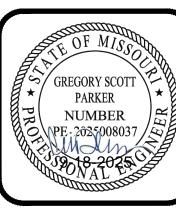




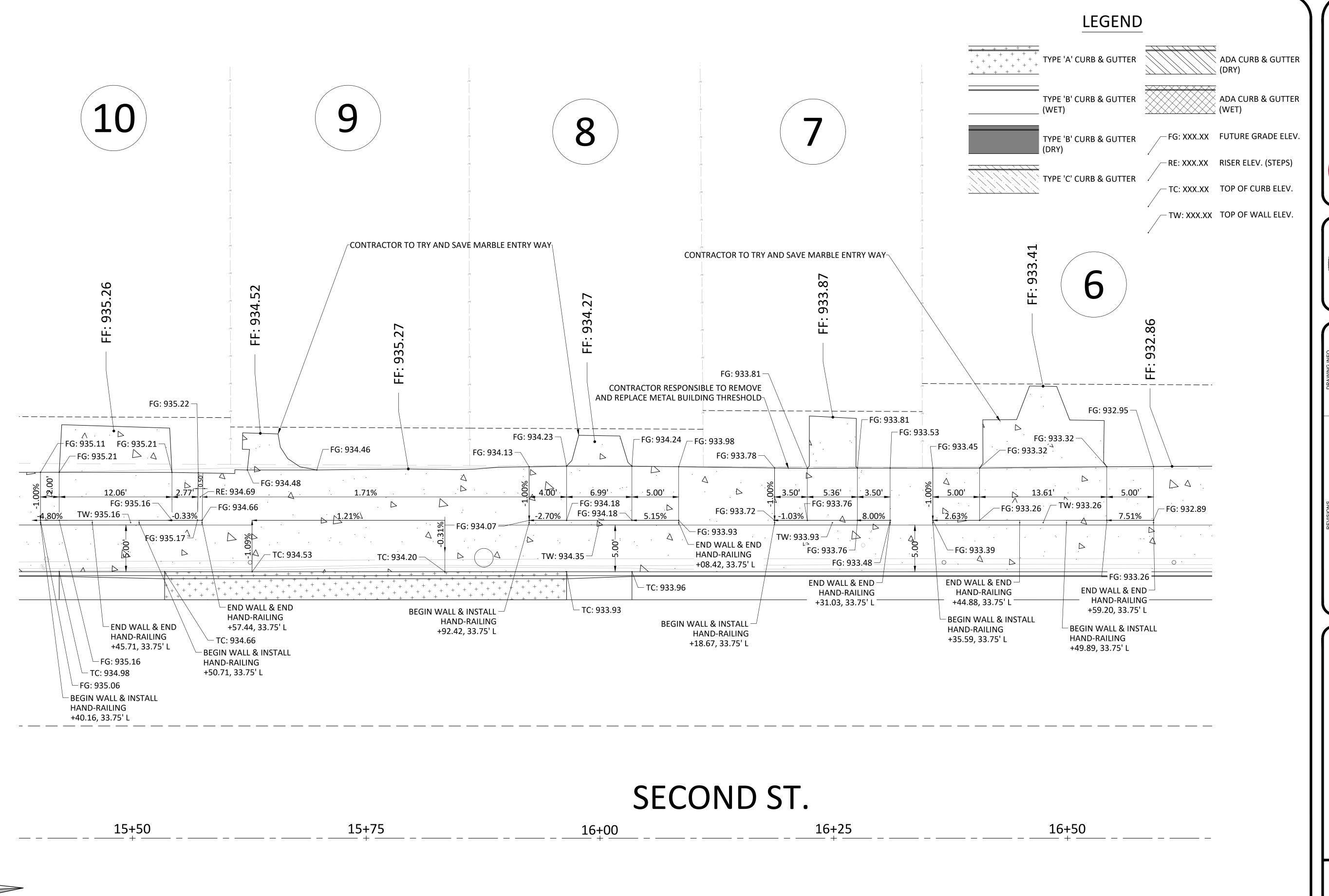
					.)	
	DESCRIPTION	ВУ	DATE	FIELD BY:		
ᅵ置	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWNBY:	CAW	
				CHECK BY:		
				DATE:	9/18/2025	
				FIELD BOOK:		
				JOB NUMBER:	TAP-9901(440)	
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012					





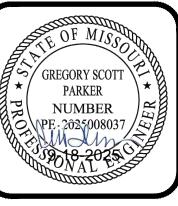


	REVISIONS			DRAWING INFO.	IG INFO.
o O	DESCRIPTION	ВУ	DATE	FIELD BY:	
_	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(44
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

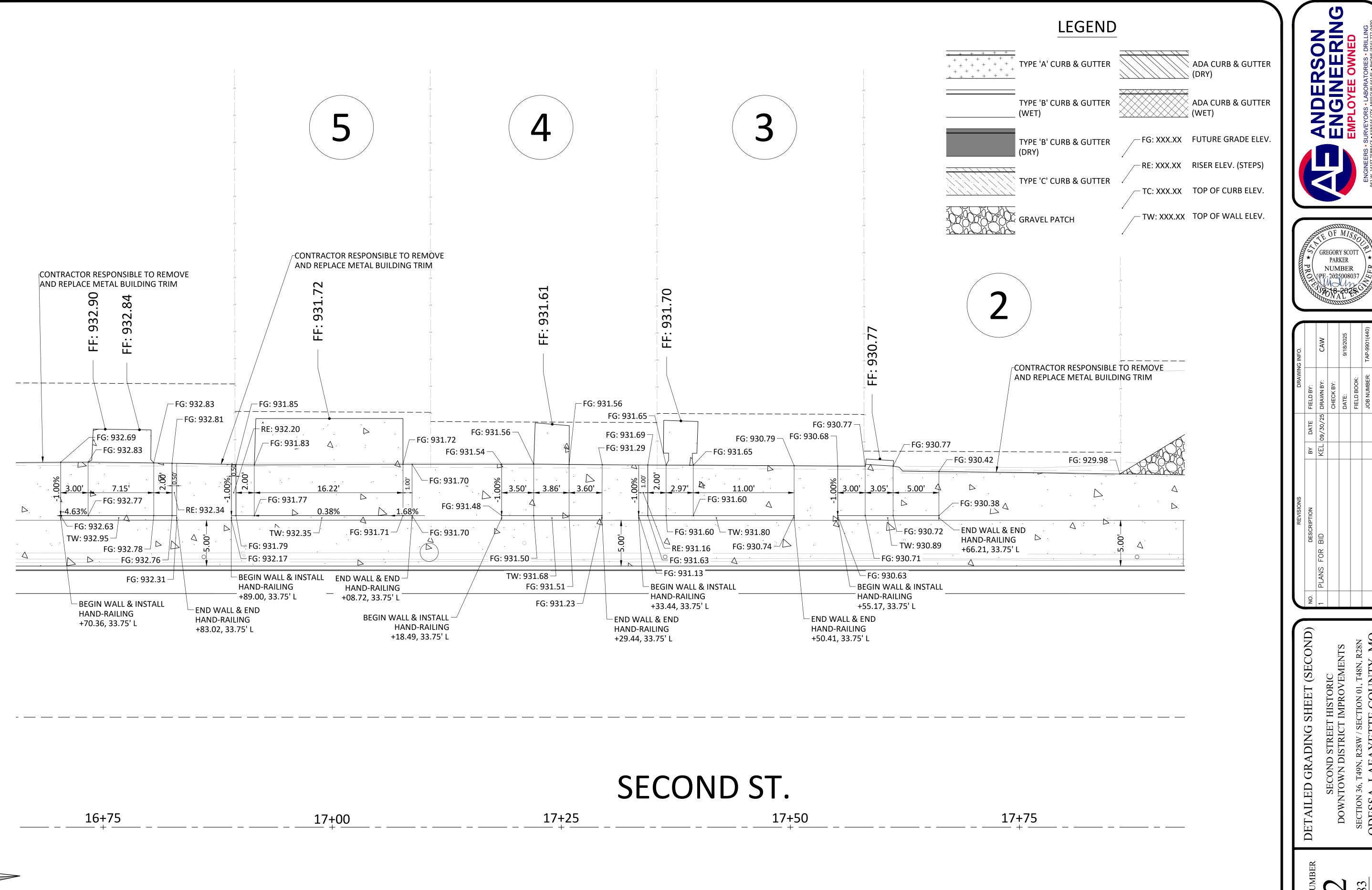


5 (IN FEET) 0 2.5 5





	REVISIONS			DRAWIN	DRAWING INFO.
Š.	DESCRIPTION	ВУ	DATE	FIELD BY:	
_	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	207/81/6
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901
_	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

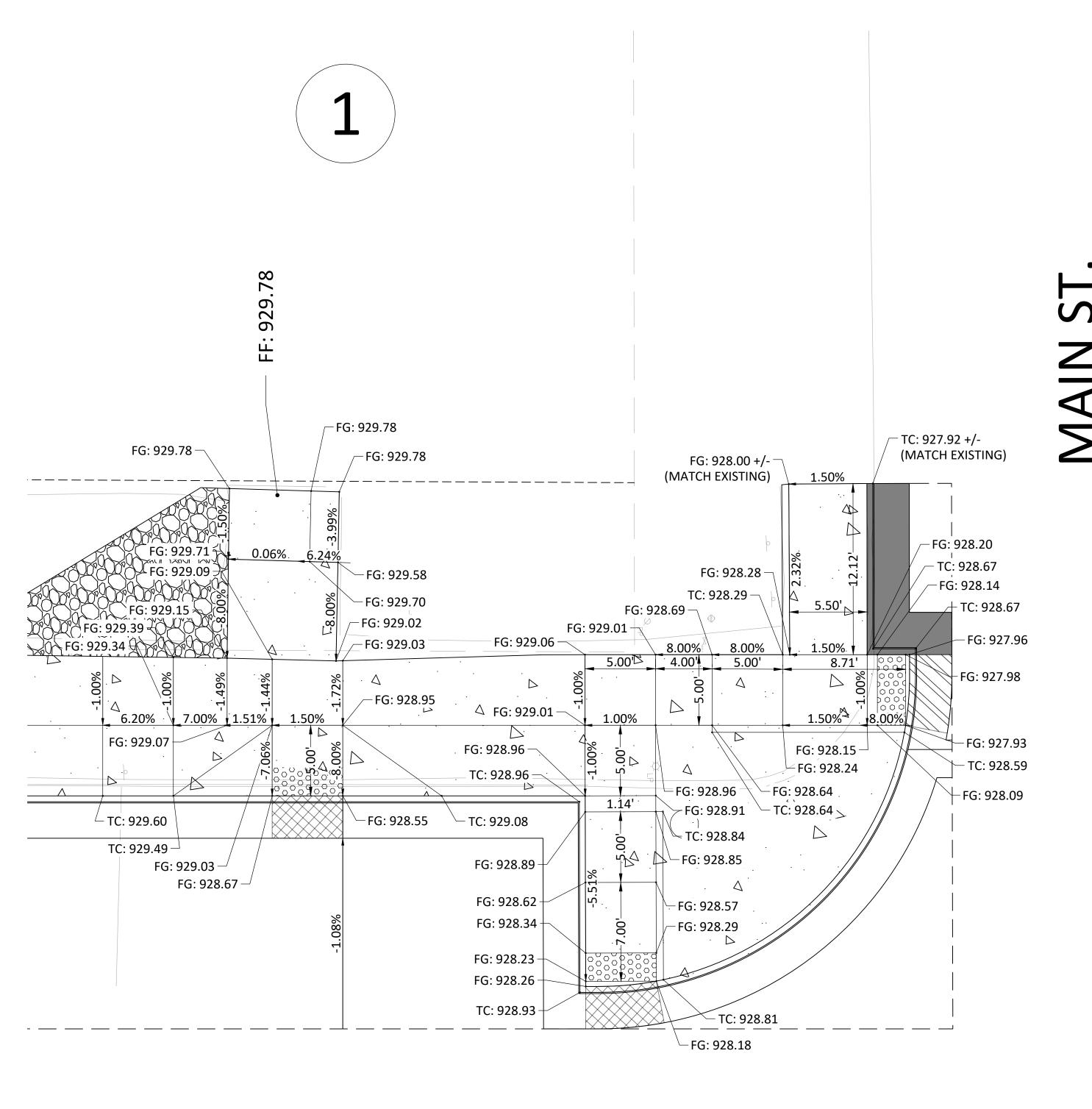


5 (IN FEET) 0 2.5 5

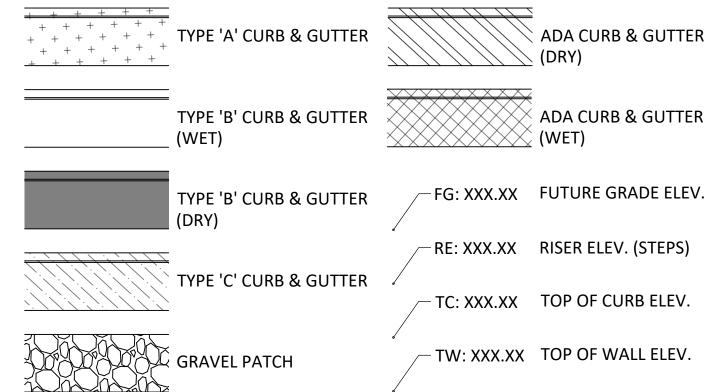


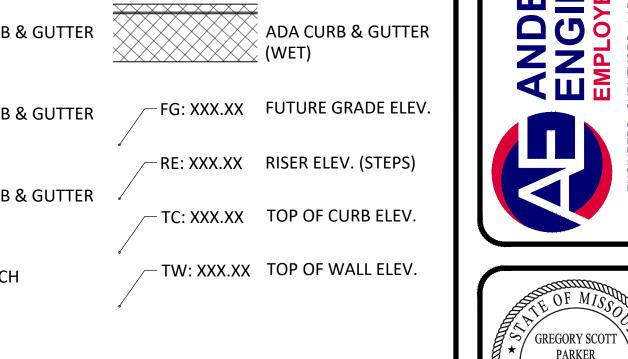


	REVISIONS			DRAWIN	DRAWING INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
_	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440)
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				



LEGEND





William Co.	AS* PROFUE	GRI	EGOR PAR NUM 202	KER IBEI	AND	Ø
3 INFO.		CAW		9/18/2025	TAP-9901(440)	

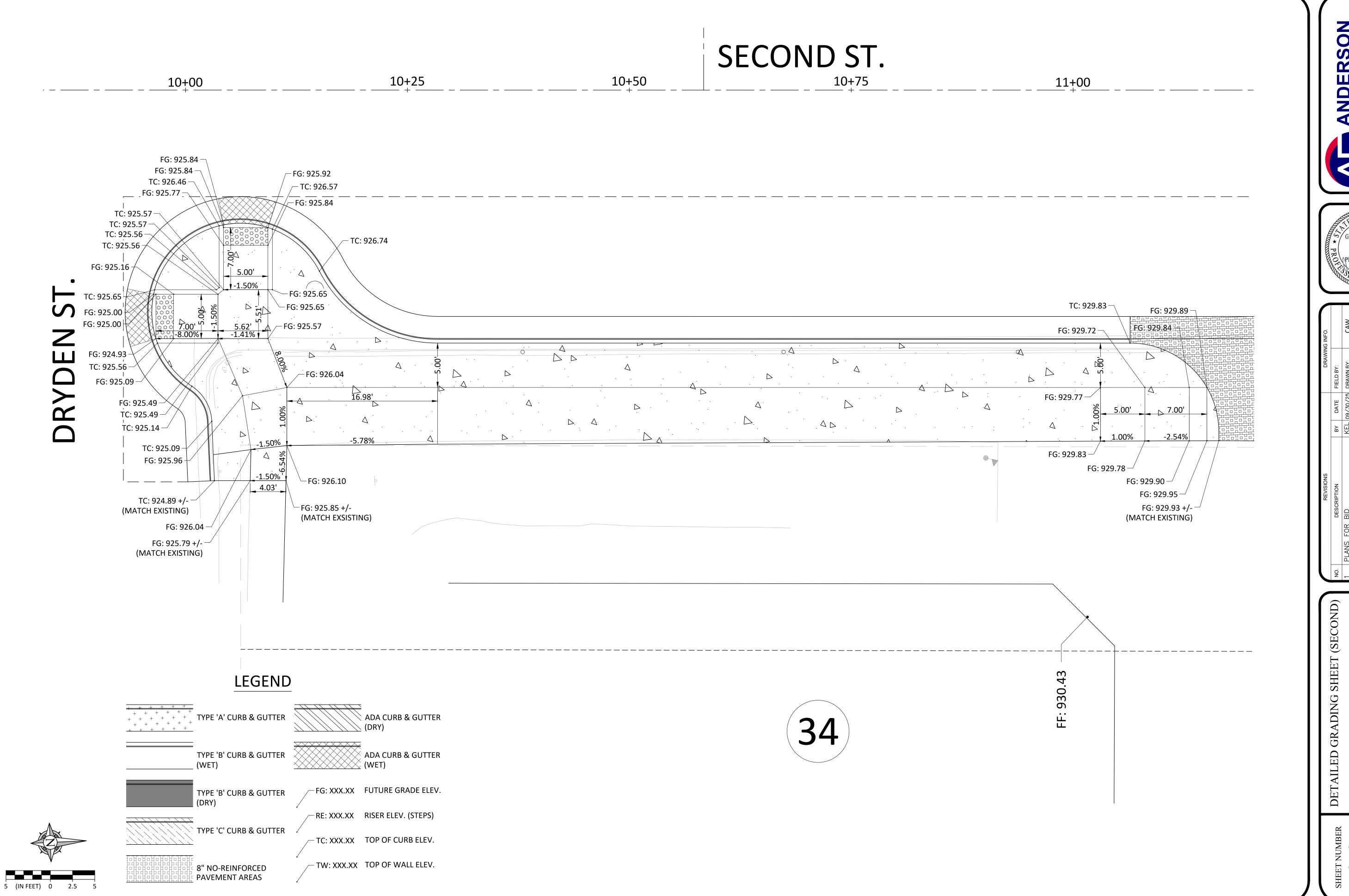
	REVISIONS			DRAWING INFO.	G INFO.
ON	DESCRIPTION	ВУ	DATE	DATE FIELD BY:	
-	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440)
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

		REVISIONS			
$(\bigcap_{i=1}^{n}$	o N	DESCRIPTION	ВУ	DATE	FIELD BY:
	<u></u>	PLANS FOR BID	KEL	KEL 09/30/25 DRAWN B	DRAWN B
					CHECK BY
					DATE:
7					FIELD BOO
					JOB NUME
		©COPYRIGHT ANDERSON ENGINEERING, INC. 2012			

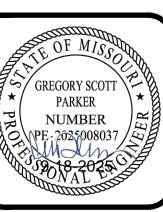


18+25 18+50 18+ 18+00









	REVISIONS			DRAWIN	DRAWING INFO.
Š.	DESCRIPTION	ВУ	DATE	FIELD BY:	
_	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440

SECOND ST.

11+50 11+75

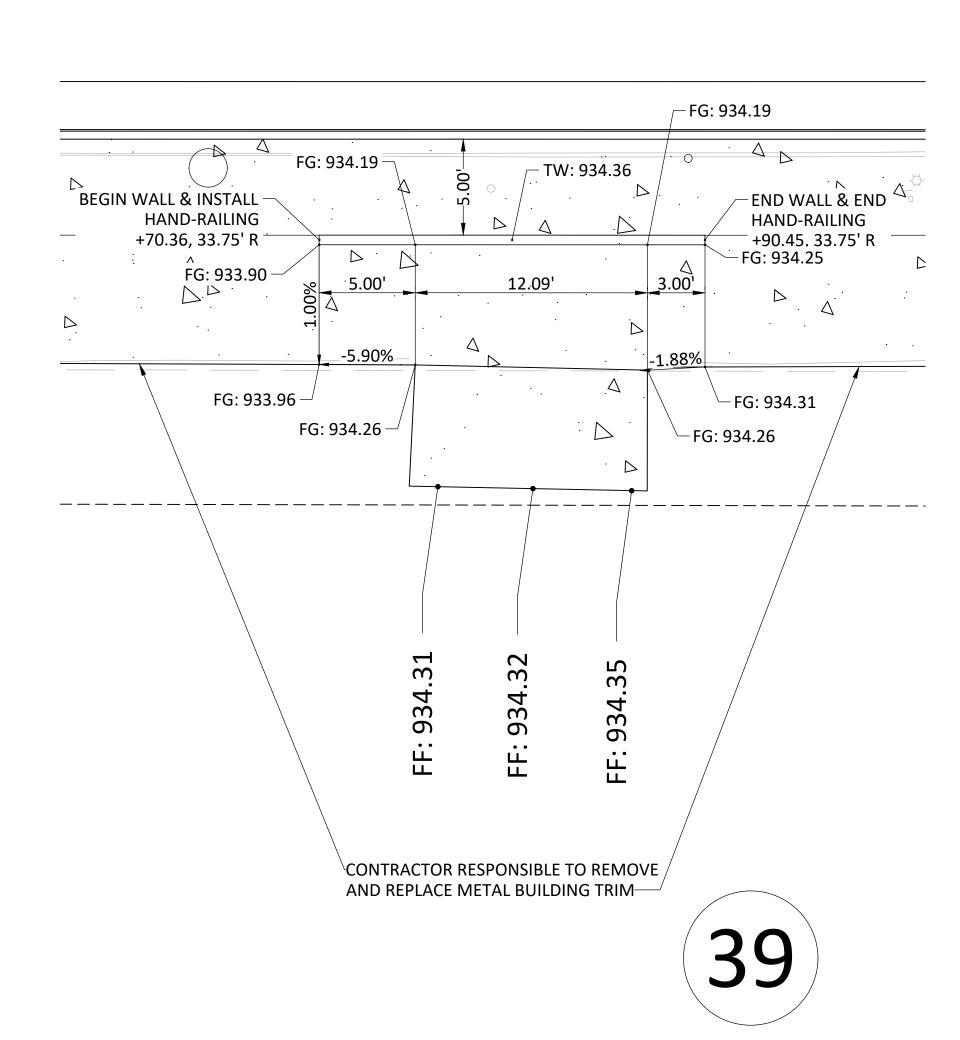
SECOND ST.

12+75 13+00

- TC: 931.13 TW: 932.29 — FG: 931.23 __ FG: 931.96 FG: 931.96 — FG: 930.83 BEGIN WALL & INSTALL — HAND-RAILING > +67.14, 33.75' R FG: 930.67 END WALL & END HAND-RAILING +78.14, 33.75' R 3.00' 5.00' 3.00' 3.00' −FG: 932.12 FG: 931.84 -^{_}FG: 931.35 FG: 931.30 FG: 931.90 — FG: 932.18 −FG: 930.90 ['] FG: 932.02 — FG: 932.02 └_ FG: 930.74 FG: 930.71 +/-(MATCH EXISTING)

LEGEND

+ + + + + + + + + + + + + + + + + + +	GUTTER ADA CURB & GUTTER (DRY)
TYPE 'B' CURB & G	ADA CURB & GUTTER (WET)
TYPE 'B' CURB & G (DRY)	GUTTER FG: XXX.XX FUTURE GRADE ELEV.
	RE: XXX.XX RISER ELEV. (STEPS)
TYPE 'C' CURB & G	TC: XXX.XX TOP OF CURB ELEV.
8" NO-REINFORCE PAVEMENT AREAS	



ANDERSON

ENGINEERS • SURVEYORS • LABORATORIES • DRILLING
941 W. 1415T TERRACE • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-0400
ANDERSON ENGINEERING COA# 000062



	REVISIONS			DRAWING INFO.	G INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
_	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(4 ²
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

TAILED GRADING SHEET (SECOND)

SECOND STREET HISTORIC

DOWNTOWN DISTRICT IMPROVEMENTS

ABER

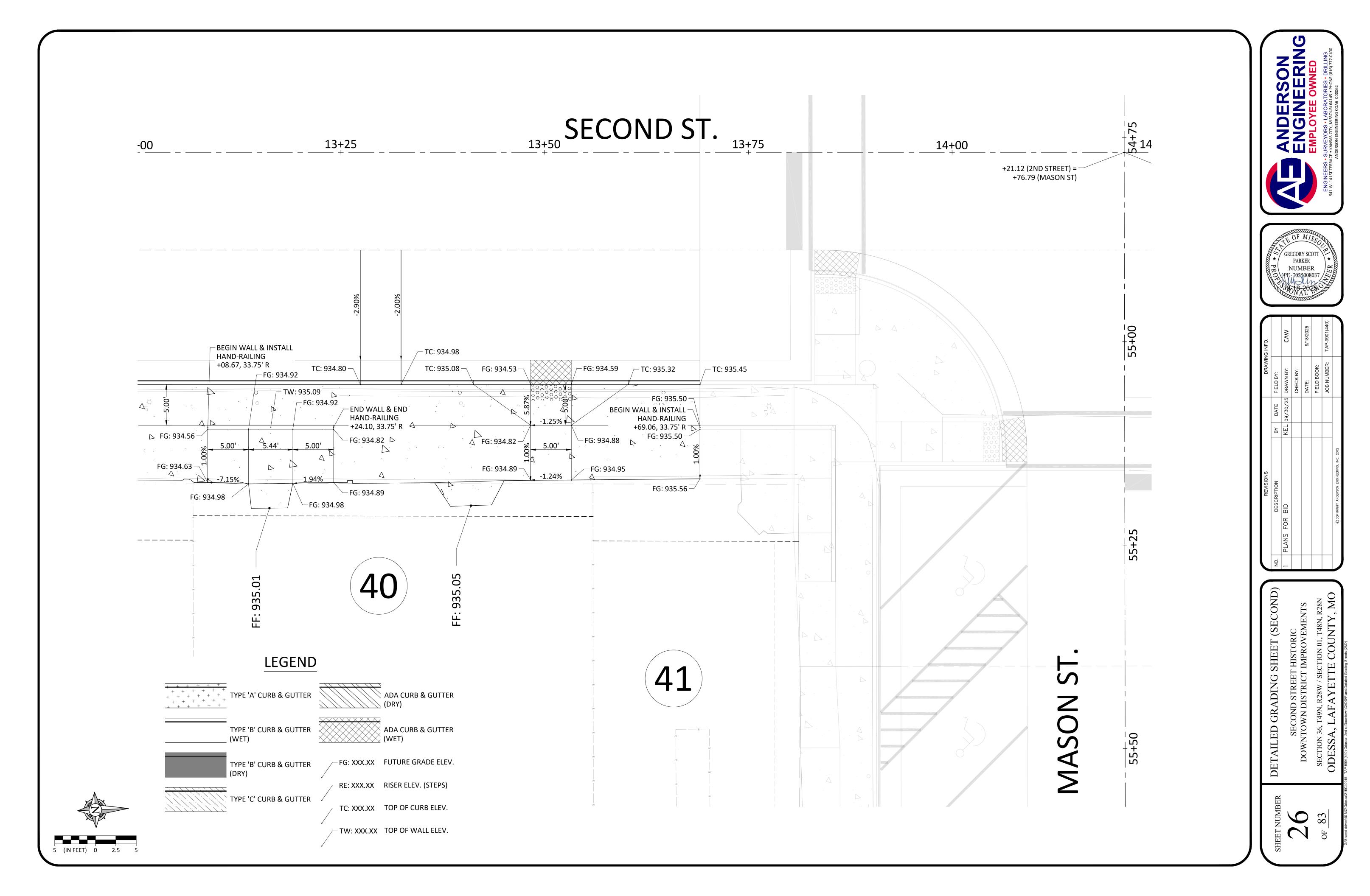
DETAILED GR.

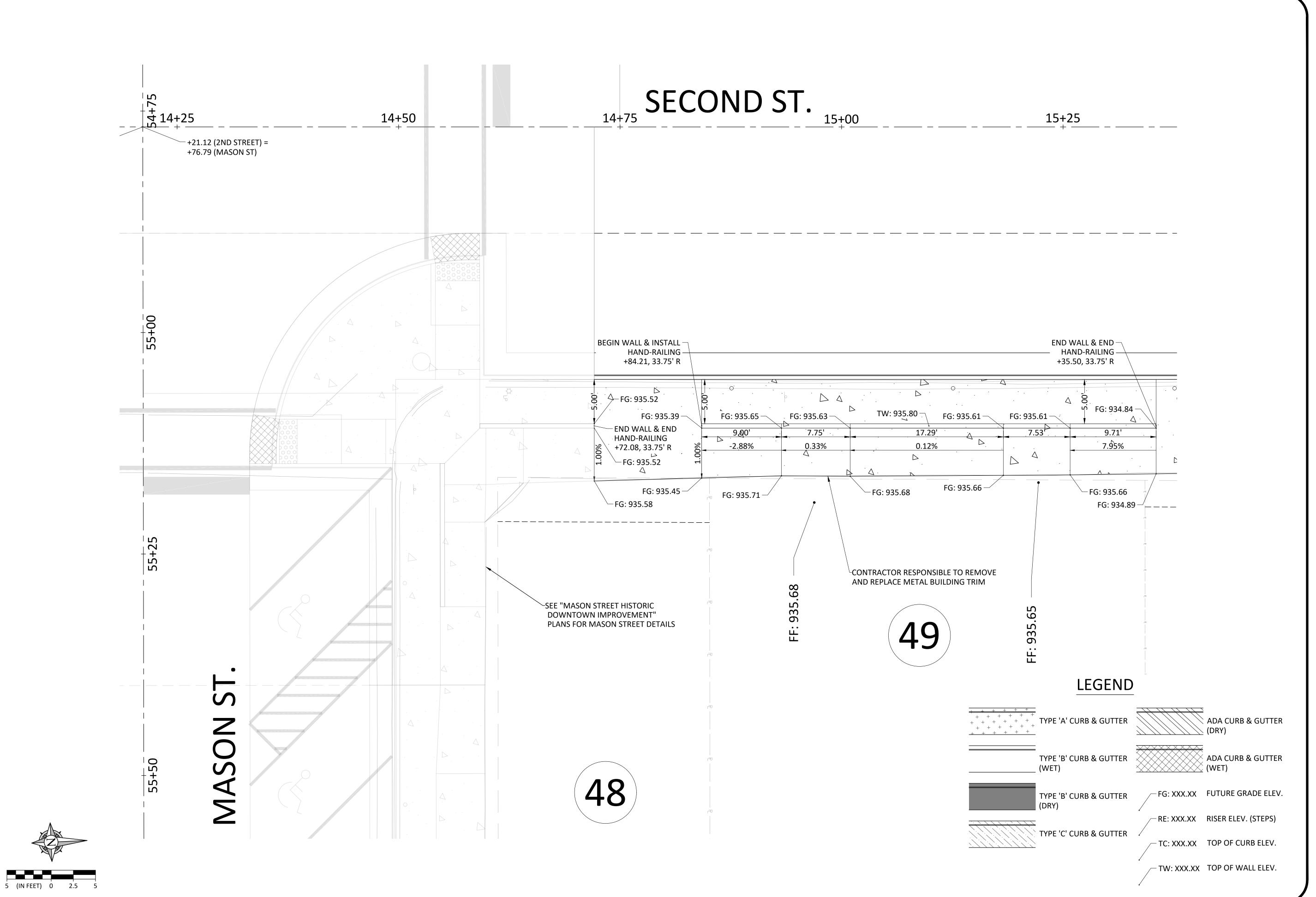
SECONI

DOWNTOWN I

SECTION 36, 1490.











	REVISIONS			DRAWIN	DRAWING INFO.
ON	DESCRIPTION	ВУ	DATE	FIELD BY:	
<u>-</u>	PLANS FOR BID	XEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440)

SECOND ST. 15+50 16+25 16+00 BEGIN WALL & INSTALL -HAND-RAILING +14.70, 33.75' R __ TC: 933.24 BEGIN WALL & INSTALL -- HAND-RAILING -END WALL & END- $_$ END WALL & END $_$ HAND-RAILING -HAND-RAILING +87.52, 33.75' R +75.00, 33.75' R **FG:** 933.52 − +09.75, 33.75' R FG: 934.77 END WALL & END — ; TC: 933.26 -−FG: 934.32 BEGIN WALL & INSTALL \triangle HAND-RAILING FG: 933.78 TW: 933.95 FG: 933.39 FG: 933.78 p +36.17, 33.75' R HAND-RAILING FG: 934.17 FG: 934.32 TW: 935.52 \rightarrow FG: 935.35 FG: 934.30 -−FG: 935.32 .75′ R FG: 934.12 __ TW: 934.49 20.50' 5.35' 4.00' FG: 933.18 15.71' 5.23' 0.97% RE: 933.65 — RE: 935.34 7.47% -4.8Ŝ% 7.33% _ 5.14% -0.15% RE: 934.20 -−RE: 934.80 △ -- FG: 934.35 -- FG: 934.17 = −FG: 933.82 ─ FG: 935.40 FG: 935.37 FG: 934.37 ⊱FG: 933.57 FG: 934.22 FG: 933.82 -FG: 934.38 -FG: 933.43 [→] FG: 933.23 – FF: 935.40 FF: 933.86 LEGEND ADA CURB & GUTTER ADA CURB & GUTTER TYPE 'B' CURB & GUTTER FG: XXX.XX FUTURE GRADE ELEV. TYPE 'B' CURB & GUTTER (DRY) RE: XXX.XX RISER ELEV. (STEPS) TYPE 'C' CURB & GUTTER TC: XXX.XX TOP OF CURB ELEV. TW: XXX.XX TOP OF WALL ELEV.

5 (IN FEET) 0 2.5





	REVISIONS			DRAWING INFO.	IG INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440)
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

SECOND ST. END WALL & END -HAND-RAILING +73.95, 33.75' R END WALL & END -BEGIN WALL & INSTALL FG: 929.85 -HAND-RAILING HAND-RAILING FG: 930.12 -+59.77, 33.75' R +51.78, 33.75' R TW: 930.29 -END WALL & END -FG: 930.21 -FG: 930.12 --+19.13, 32.75' R HAND-RAILING BEGIN WALL & INSTALL FG: 930.44 BEGIN WALL & -–+19.13, 33.75' R +46.16, 33.75' R TC: 932.03 -HAND-RAILING TW: 930.61 INSTALL +42.44, 33.75' R FG: 930.54 -HAND-RAILING FG: 931.90 -−FG: 931.78 __ TC: 932.25 − TC: 931.82 FG: 932.62 TC: 932.66 -FG: 932.62 -∕− FG: 933.06 +65.06, 33.75' R FG: 930.72 FG: 933.04 TW: 930.89 FG: 932.61 -BEGIN WALL & INSTALL HAND-RAILING +13.63, 32.75' R TW: 932.42 ∧ BEGIN WALL & INSTALL − TW: 933.21 HAND-RAILING +13.63, 33.75' R FG: 933.04 FG: 932.30 − FG: 932.24 — +00.33, 33.75' R +38.22, 33.75' R - FG: 932.18 FG: 932.25 -TW: 932.79 -FG: 930.71 FG: 932.61 - END WALL & END HAND-RAILING FG: 930.41 FG: 930.07 → | ▷ FG: 931.64 -- END WALL & END > FG: 930.72 e FG: 930.44 0.48% 6.83% -0.94% 7.73% -7.16% HAND-RAILING +54.61, 33.75' R 5.00' 3.00' 4.18' 5.00 2.50' 3.81' 5.00' 13.55' 3.00' 3.94' ਦ −FG: 932.26 +21.71, 33.75' R RE: 931.15 ─FG: 932.79 FG: 930.76 -−FG: 932.37 -FG: 931.69 FG: 930.12 --RE: 930.57 -RE: 931.61 −FG: 932.84 END WALL & END FG: 930.17 RE: 930.74 FG: 932.65 -RE: 932.12 _ HAND-RAILING −FG: 933.09 BEGIN WALL & INSTALL -RE: 932.63 -FG: 930.77 +91.01, 33.75' R └FG: 930.17 HAND-RAILING +79.71, 33.75' R −FG: 933.09 └FG: 932.28 └_FG: 932.65 FG: 931.85 FG: 930.46 FG: 930.49 └─ FG: 933.10 FG: 929.90 ^{—/} └_ FG: 931.89 FG: 930.49 -FG: 932.22 — ردر 222 -FG: 932.27 [—] FG: 932.29 — ع FF: 932. FF: 933.13 930.52 FF: 932.33 FF: 930.21 LEGEND ADA CURB & GUTTER ADA CURB & GUTTER TYPE 'B' CURB & GUTTER (WET) 55 56 58 - FG: XXX.XX FUTURE GRADE ELEV. TYPE 'B' CURB & GUTTER RE: XXX.XX RISER ELEV. (STEPS) TYPE 'C' CURB & GUTTER TC: XXX.XX TOP OF CURB ELEV. TW: XXX.XX TOP OF WALL ELEV.

17+25

16+75

16+50

5 (IN FEET) 0 2.5



17+7

17+50



IG INFO.		CAW		9/18/2025		TAP-9901(440)	
DRAWING INFO.	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
	DATE	09/30/25					
	ВУ	KEL					
REVISIONS	DESCRIPTION	PLANS FOR BID					
	Š.	_					

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS

SHEET NUMBEI

SECOND ST.

FG: 928.12 -∕−FG: 928.08 TC: 928.77 -— TC: 928.71 FG: 928.13 FG: 928.13 $\frac{1.00\%}{2}$ FG: 928.13 −FG: 928.08 FG: 928.14 −FG: 928.08 FG: 928.15 -TC: 928.81 TC: 928.81 -∕FG: 928.09 TC: 928.82 — FG: 928.57 -TC: 928.82 -FG: 926.99 -FG: 927.39 $_{\sum}$ TC: 928.83 ² FG: 929.19 — ┌ TC: 927.48 -FG: 928.14 FG: 927.79 -FG: 926.83 FG: 928.20 FG: 928.88 -6.25% /---8.00%--−FG: 929.06 −FG: 928.96 | FG: 928.62 - FG: 929.44 D. D → FG: 928.24 FG: 927.74 — 5.00' 8.02' 6.53′∆ 6.00' - FG: 929.02 _2.23%⁻ _2.32% FG: 928.19 −FG: 926.75 FG: 928.93 FG: 929.49 — FG: 927.34 — -FG: 929.25 FG: 928.67 [△] - TC: 927.37 FG: 927.21 -FG: 929.12 = FG: 928.35 **├**FG: 926.78 FG: 927.82 -FG: 929.02 _____ FG: 927.92 – FG: 927.92 FF: 929.07 CONTRACTOR RESPONSIBLE TO REMOVE AND REPLACE METAL BUILDING TRIM LEGEND ADA CURB & GUTTER ADA CURB & GUTTER TYPE 'B' CURB & GUTTER (WET)

18+00

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.

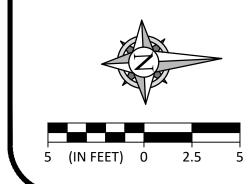
TYPE 'B' CURB & GUTTER

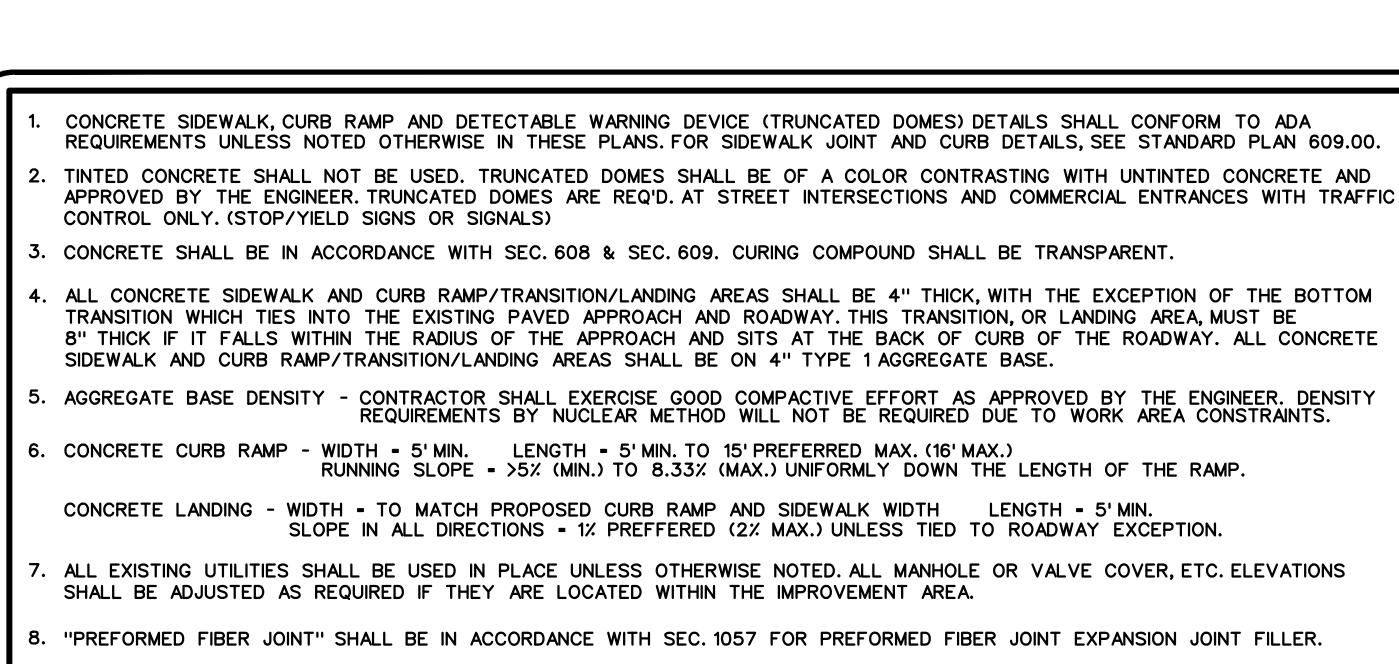
TYPE 'C' CURB & GUTTER

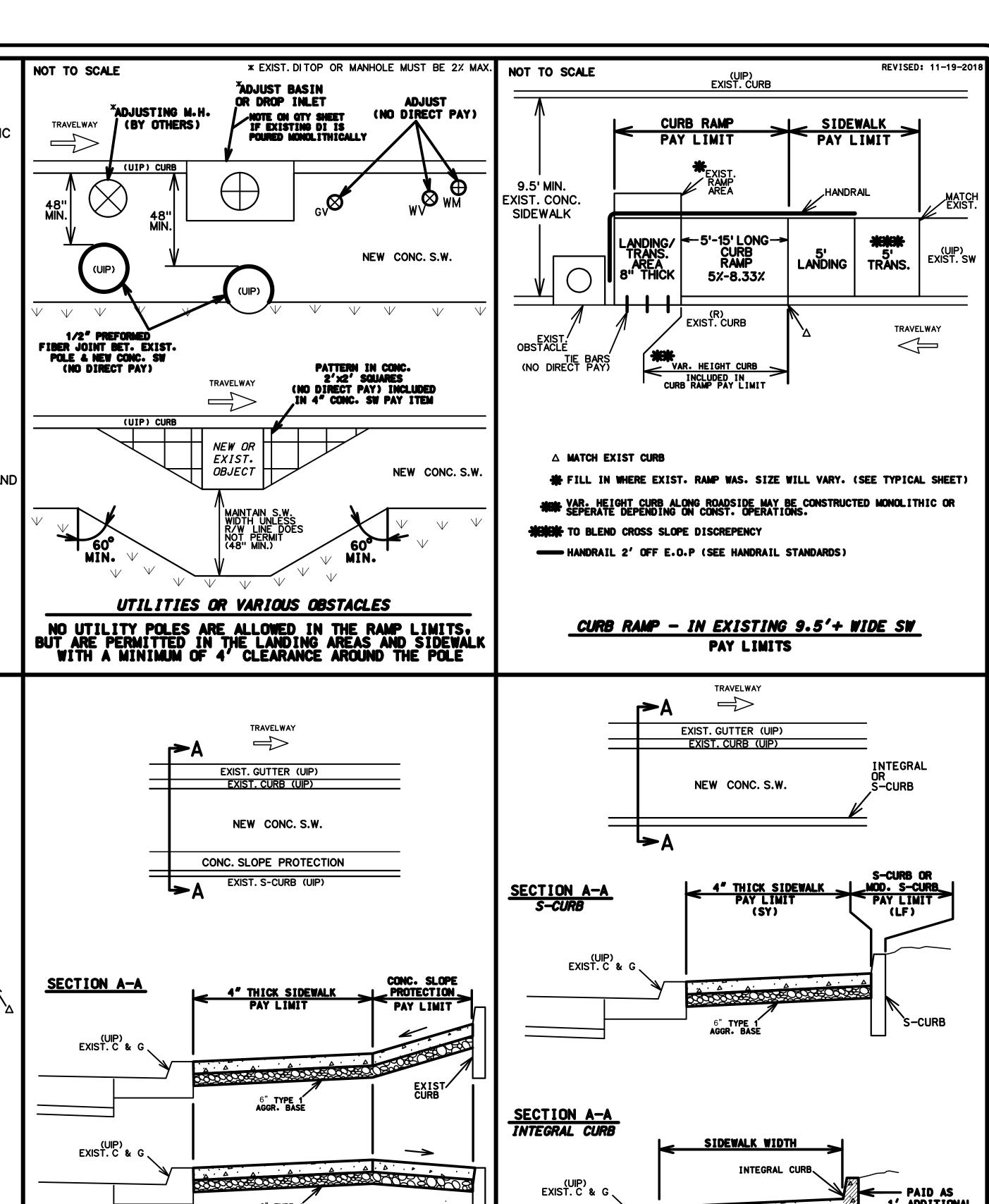


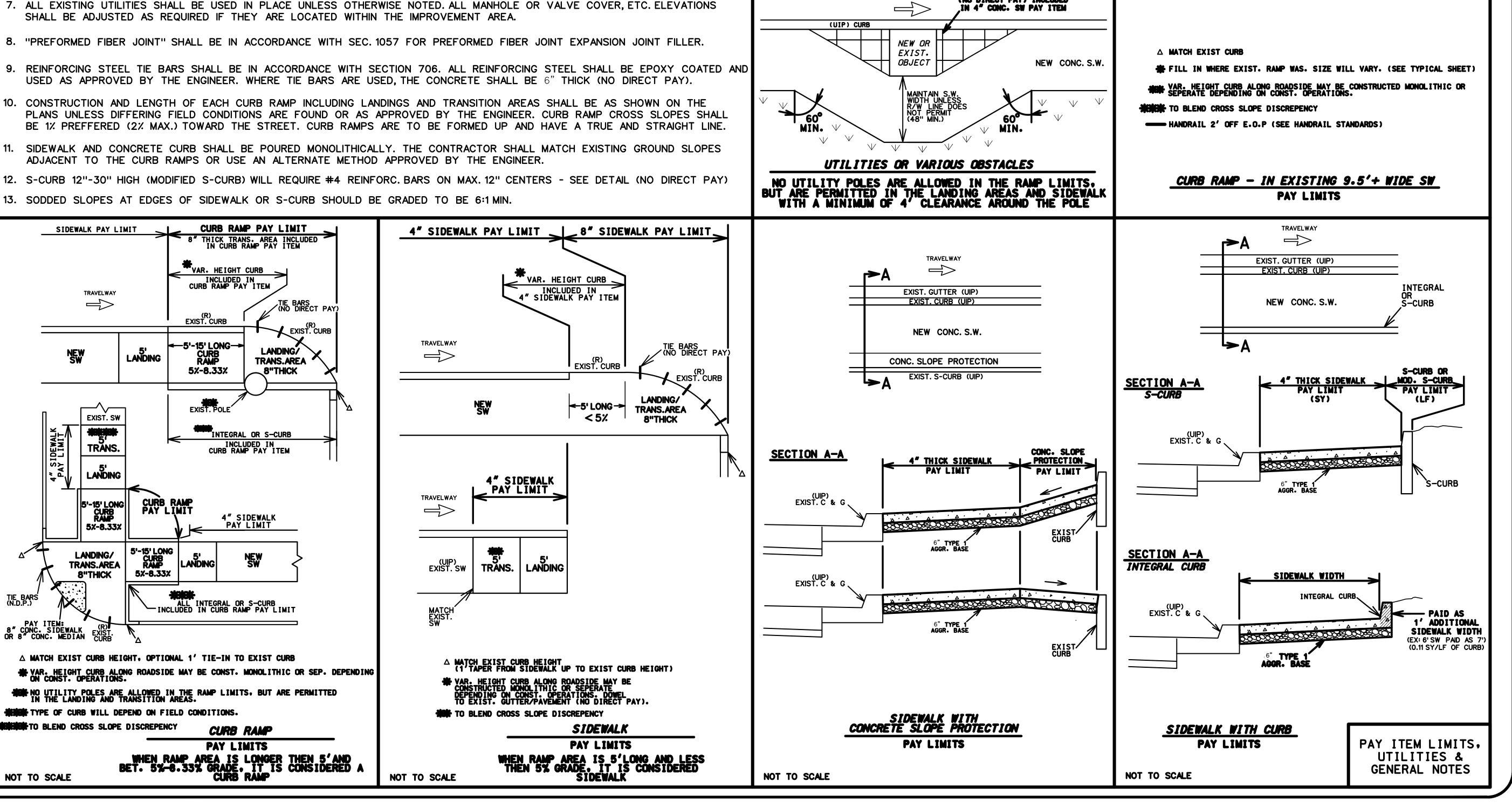


	REVISIONS			DRAWIN	DRAWING INFO.
	DESCRIPTION	ВУ	DATE	FIELD BY:	
PLAN	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440)
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				













DRAWING INFO	BY:	N BY:	K BY:	./6	BOOK:	JOB NUMBER: TAP-	
	FIELD BY:	DRAW	CHECK BY:	DATE:	FIELD BOOK:	JOB NI	
	DATE	KEL 09/30/25 DRAWN BY:					
	B	KEL					
REVISIONS	DESCRIPTION	PLANS FOR BID					
	Š.	-					

SECOND STREET DOWNTOWN DISTRICT SIDEW SECTION: ODESSA

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

- 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)

REVISED: 07-16-2019

- LANDING

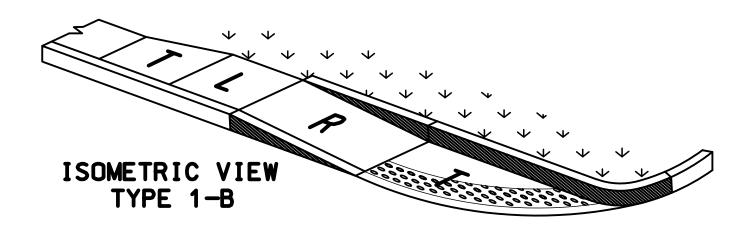
- CURB RAMP PAY LIMITS

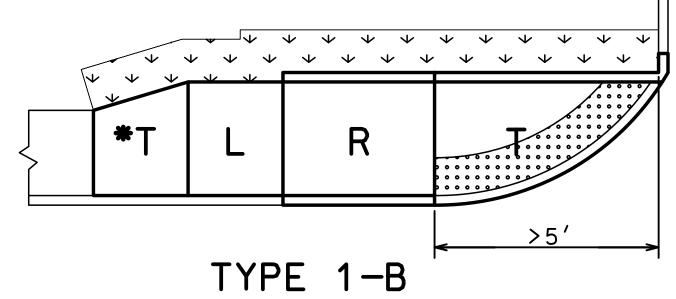
- SOD SLOPE 6:1 MIN.

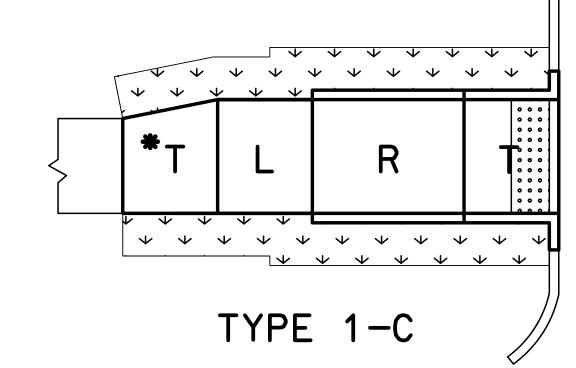
- TRUNCATED DOME LOCATION IF DIST. IS <5' OR >5'

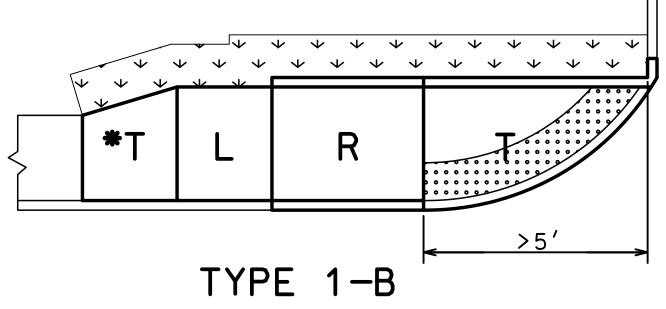
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

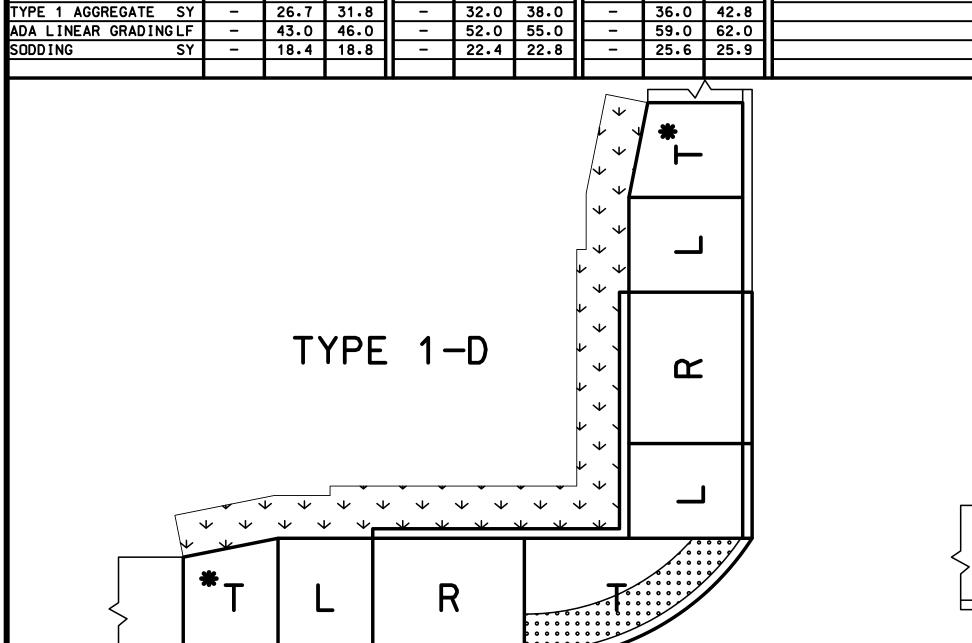
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.











PERPENDICULAR - TYPE 1

5 | 6

5.6 6.4

16.4 19.1

27.5 27.5

6.8 6.9

5 | 6

22.0 24.0

5.6 6.4

19.2 22.7

34.5 34.5

8.4 8.7

10.0 12.0

11.5 | 13.4

5.6 6.4

17.1 19.8

13.5 13.5

18.0 24.0

24.0 29.0

11.2 12.8

35.2 41.8

57.0 61.0

13.0 13.3

5 6

18.0 24.0

20.1 25.2

11.2 12.8

31.3 38.0

52.0 55.0

16.0 16.9

5

20.8 25.2

11.2 12.8

32.0 38.0

26.5

16.3

13.6

5

26.5

5

4

4

10.0

10.8

5

10.0

13.5

4 | 5 | 6

22.0

16.2

5

14.1

30.0

5

39.1

5

10.0 12.0

4.9 5.7

19.0 22.1

15.0 15.2

18.0 24.0

29.3 35.3

9.8 11.4

67.0 72.0

14.5 14.9

18.0 24.0

25.5 31.4

9.8 11.4

35.3 42.8

59.0 62.0

18.6 19.3

26.2

36.0

9.8 11.4

42.8

46.7

30.0

4

4.9 5.7

21.1 25.0

38.0 38.0

9.1 9.5

15.8

19.3

4.9 6.4

18.3 22.2

30.0 30.5

7.5 7.9

4

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

TYPE 1-A

SODDING

TYPE 1-B

CURB RAMP

SODDING

SODDING

TYPE 1-D

SODDING

TYPE 1-E

CURB RAMP

SODDING

TYPE 1-F

TRUNCATED DOMES

CONC. SIDEWALK

CONC. SIDEWALK

TYPE 1 AGGREGATE SY

ADA LINEAR GRADINGLF

LENGTH (LF

TYPE 1-C

TRUNCATED DOMES

TYPE 1 AGGREGATE SY

ADA LINEAR GRADINGLF

TRUNCATED DOMES SF

TYPE 1 AGGREGATE SY ADA LINEAR GRADINGLF

CONC. SIDEWALK

TRUNCATED DOMES

CONC. SIDEWALK

TRUNCATED DOMES

CONC. SIDEWALK

TYPE 1 AGGREGATE SY ADA LINEAR GRADINGLF

TYPE 1 AGGREGATE SY

ADA LINEAR GRADINGLF

LENGTH (LF)

LENGTH (LF)

WIDTH (LF)

LENGTH (LF)

LENGTH (LF)

LENGTH (LF)

WIDTH (LF)

WIDTH (LF)

WIDTH (LF)

10.0

6.4

13.8 16.0

22.0 22.0

5.8 5.7

8.2 5.6

22.0

10.9

- 7.4 7.8

5.6 6.3

16.5 19.4

28.0 28.0

10.0 12.0

8.8 10.3

- 5.6 6.4

- 22.0 22.0

- 11.5 11.7

- 18.0 24.0

- 11.0 11.3

18.6 22.8

11.2 12.8

29.8 35.6

42.0 50.0

18.0 24.0

14.8 19.0

11.2 12.8

26.0 31.8

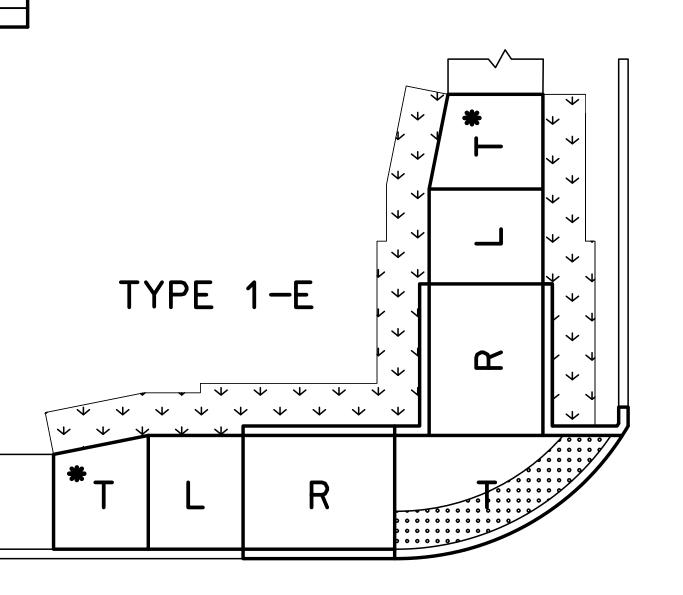
43.0 46.0

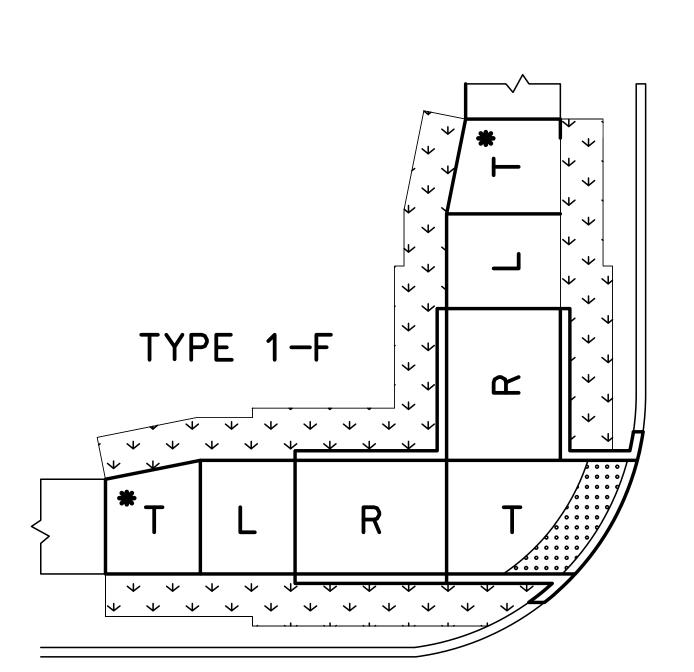
- 13.3 13.6

15.5 11.2

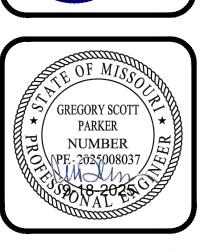
26.7

- 14.4 16.7

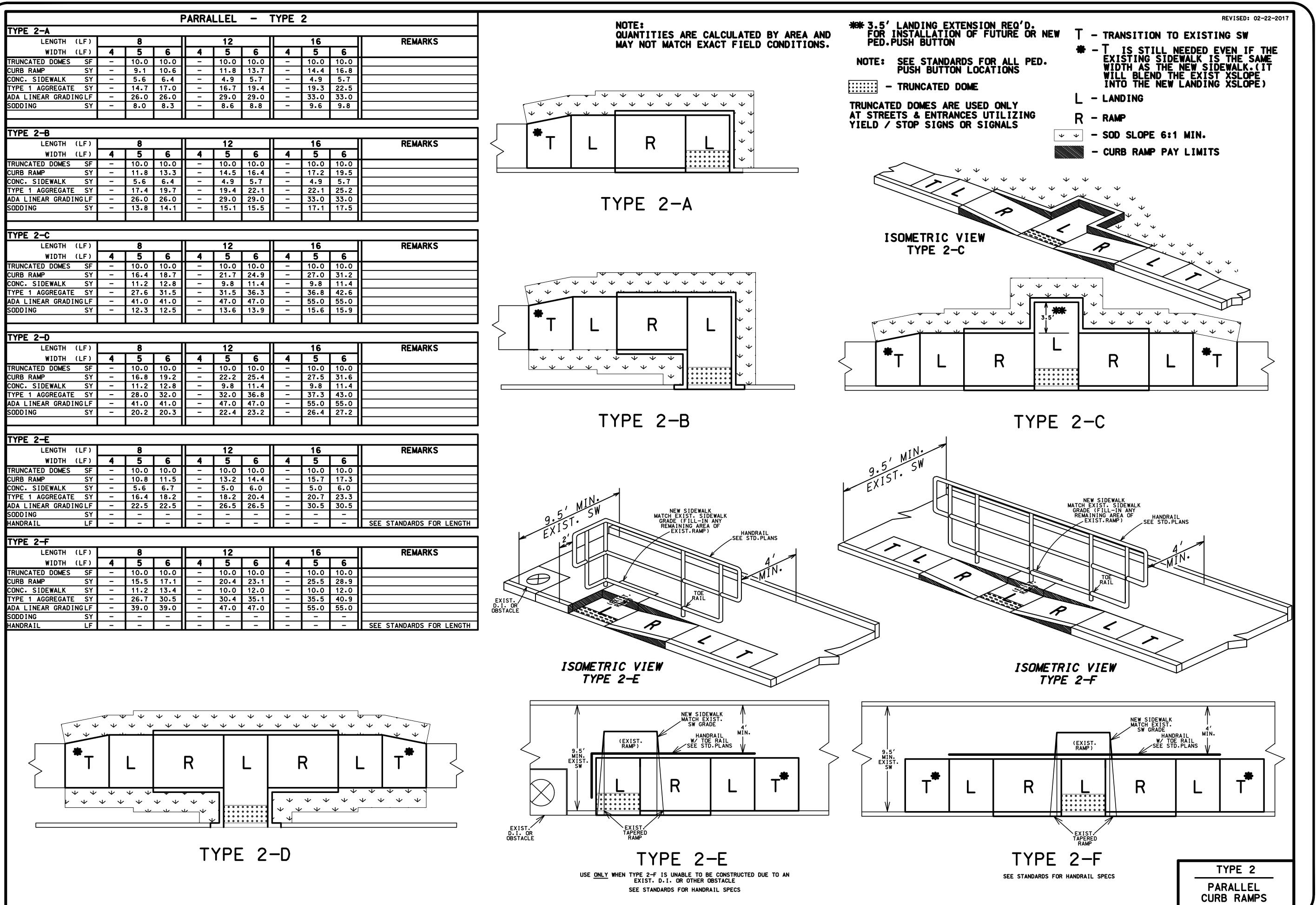




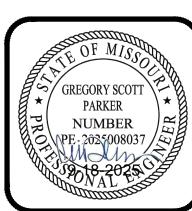
TYPE 1 PERPENDICULAR CURB RAMPS ANDERSON ENGINEERINC EMPLOYEE OWNED



	1		ı			
		REVISIONS			DRAWIN	DRAWING INFO.
	NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
	_	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
					CHECK BY:	
					DATE:	9/18/202
					FIELD BOOK:	
					JOB NUMBER:	TAP-9901(
ŀ						







DRAWING INFO.		CAW		9/18/2025		TAP-9901(440)	
DRAWIN	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
	DATE	09/30/25					
	ВУ	KEL					
REVISIONS	DESCRIPTION	PLANS FOR BID					OCONI CHICHIEDINI ANDEDCON ENCHIEDINI INC

SIDEWALK DETAILS

SECOND STREET HISTORIC

DOWNTOWN DISTRICT IMPROVEMENTS

ECTION 36, 749N, R28W / SECTION 01, 748N, R28N

SEC DOWNTOW SECTION 36, T ODESSA, L

HEET NUMBER

33

- TRANSITION TO EXISTING SW

L - LANDING

→ → − SOD SLOPE 6:1 MIN.

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

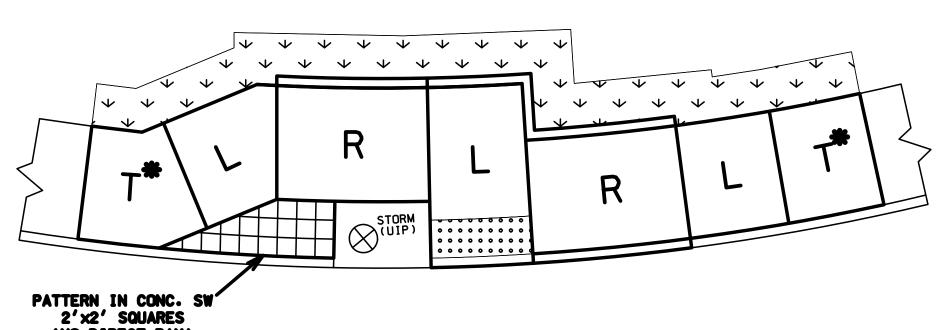
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

- CURB RAMP PAY LIMITS

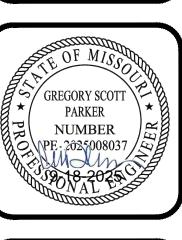
- INCLUDED IN 4" CONC. SIDEWALK PAY LIMIT

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

ISOMETRIC VIEW TYPE 2-H



TYPE 2 PARALLEL CURB RAMPS



	REVISIONS			DRAWIN	DRAWING INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/202
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(
	'				

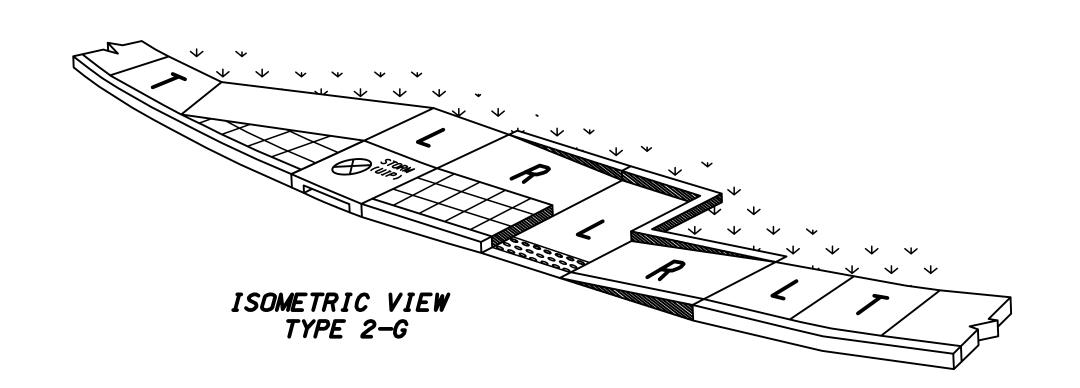
PARRALLEL - TYPE 2 (cont'd.) TYPE 2-G REMARKS LENGTH (LF) 5 6 WIDTH (LF) TRUNCATED DOMES 25.8 30.2 15.7 20.8 21.4 25.0 CONC. SIDEWALK SY 17.6 20.3 15.2 17.5 37.1 43.0 38.4 44.0 41.0 47.7 TYPE 1 AGGREGATE SY ADA LINEAR GRADINGLF 52.0 52.0 54.0 54.0 58.0 58.0 13.7 13.5 SODDING **- 13.6 13.6** 14.5 | 14.9

TYPE 2-H REMARKS LENGTH (LF) 4 | 5 | 6 WIDTH (LF) 5 | 6 TRUNCATED DOMES SF 10.0 CURB RAMP 15.7 | 18.0 21.0 24.5 26.9 31.4 12.0 14.2 12.0 14.4 CONC. SIDEWALK SY 13.2 16.0 TYPE 1 AGGREGATE SY - 28.9 34.0 33.0 38.6 38.9 45.8 55.0 55.0 ADA LINEAR GRADINGLF 42.0 42.0 49.0 49.0

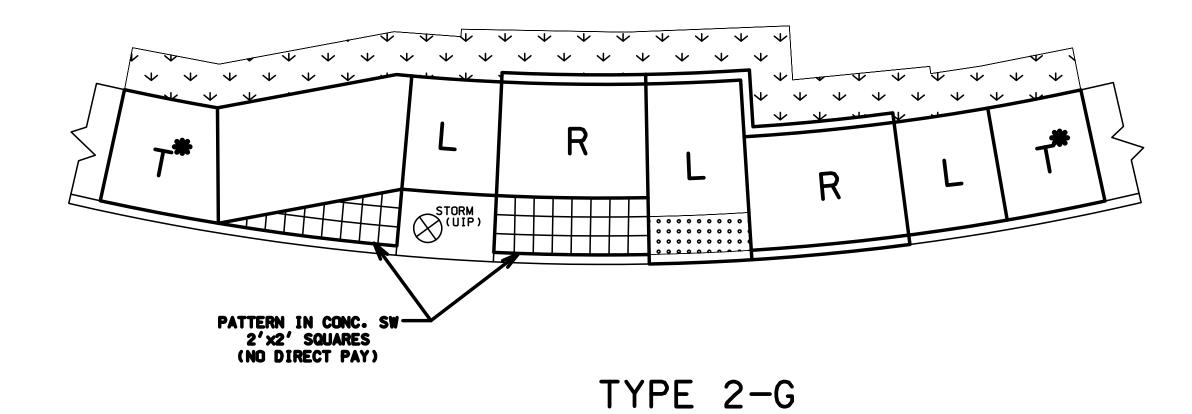
12.5

- 11.1 11.2

SODDING

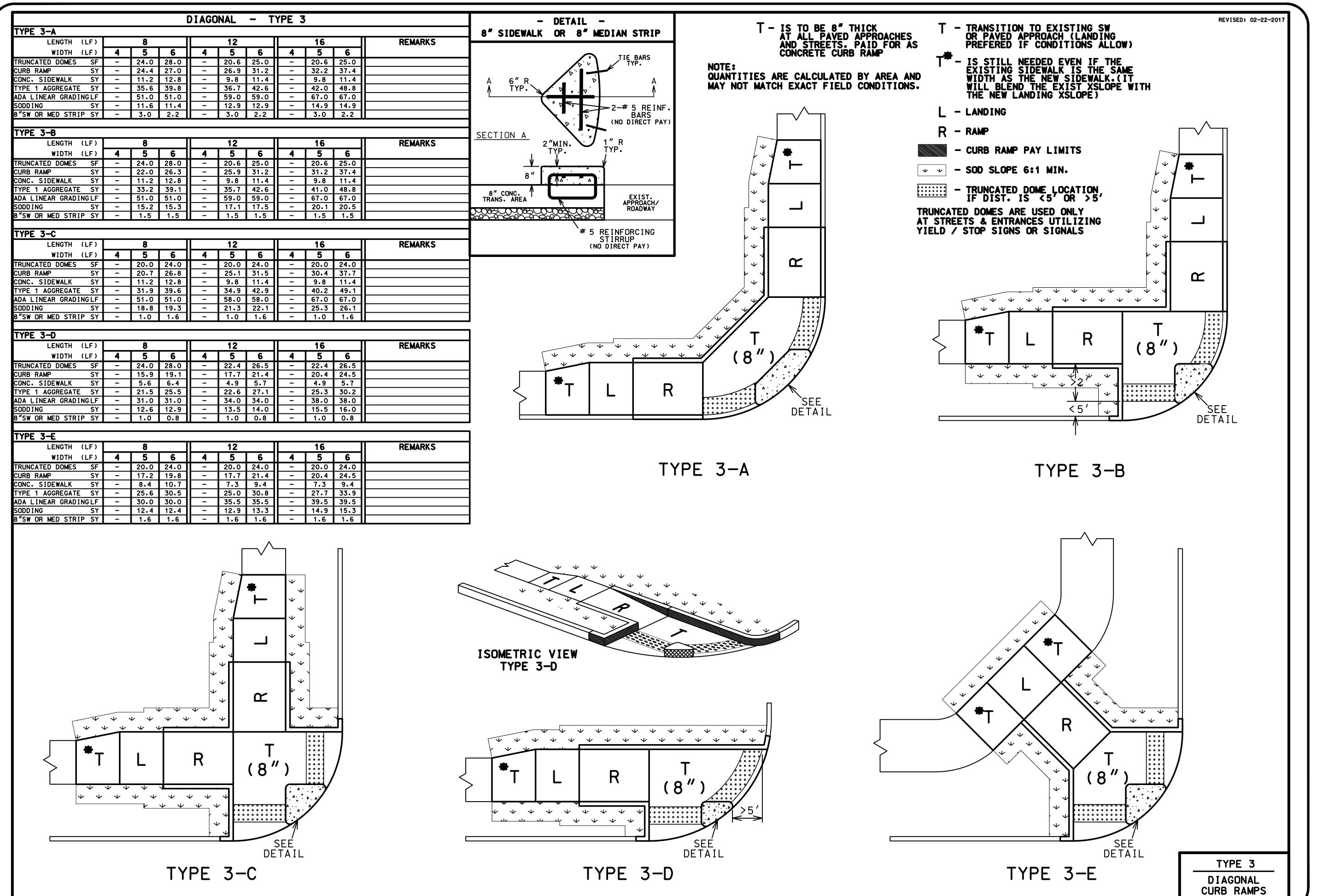


14.5 14.9



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

TYPE 2-H

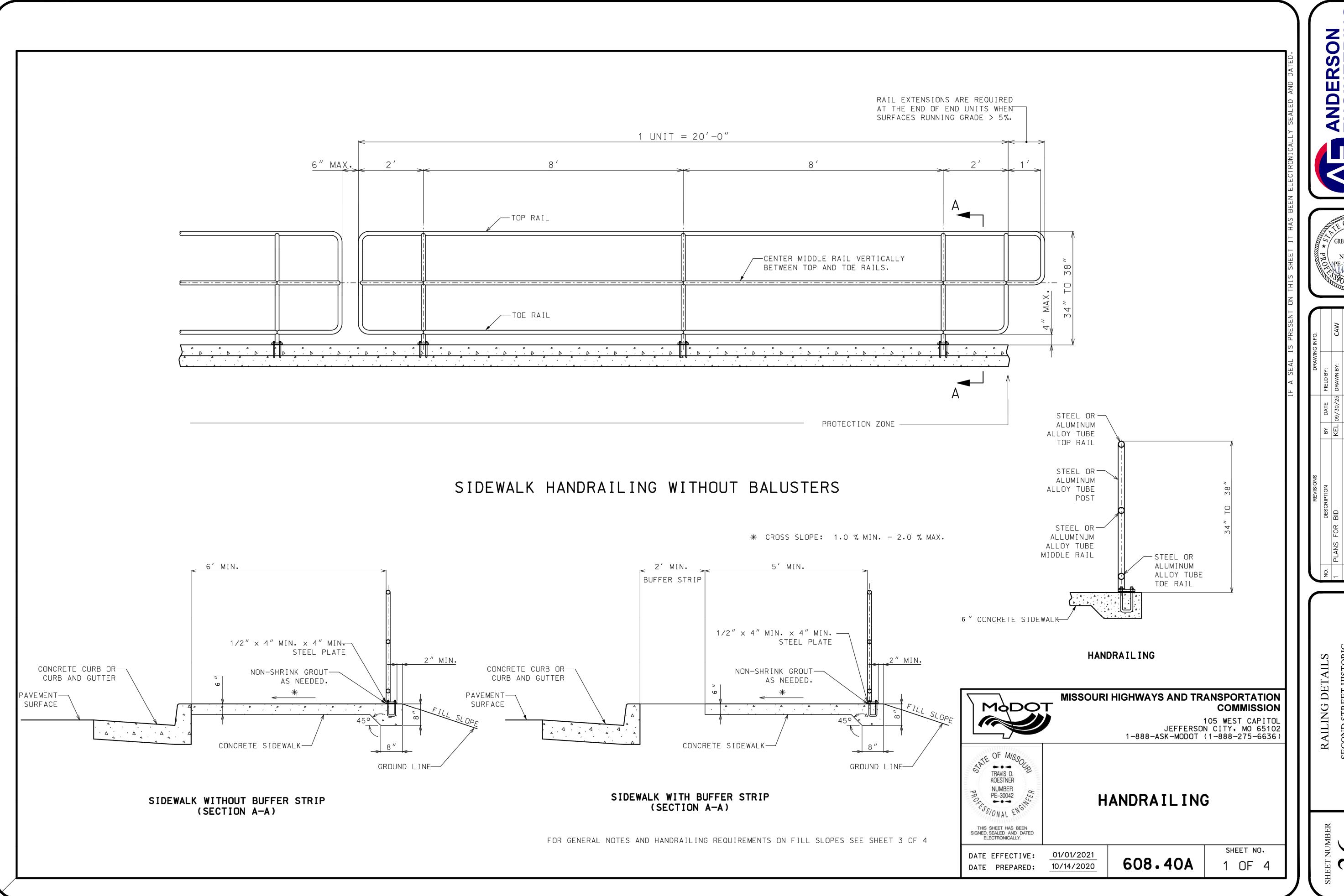




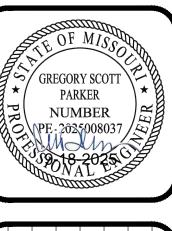




	REVISIONS			DRAWIN	DRAWING INFO.
Ŏ O N	DESCRIPTION	ВУ	DATE	FIELD BY:	
_	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CA
				CHECK BY:	
				DATE:	9/18/
				FIELD BOOK:	
				JOB NUMBER:	TAP-99
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				







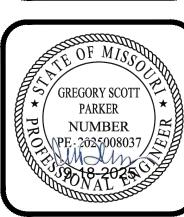
НА	NDRAIL REQUIREME	NTS
FILL SLOPE	FILL HEIGHT	HANDRAIL
(1V:3H) OR FLATTER		NOT REQUIRED
(1V:3H) OR STEEPER	> 6 FT.	REQUIRED
(1V:2H) OR STEEPER	> 4 FT.	REQUIRED
(1V:1H) OR STEEPER	> 1 FT.	REQUIRED

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

SQUARE

1/2" X 1/2" ALUM. 0.2944

MISSOURI HIGHWAYS AND TRANSPORTATION MODOT COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636) SATE OF MISSOLD TRAVIS D. KOESTNER NUMBER PE-30042 PS/ONAL ENGI HANDRAILING THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY. SHEET NO. 01/01/2021 DATE EFFECTIVE: 608.40A 3 OF 4 10/14/2020 DATE PREPARED:



DRAWING INFO.		CAW		9/18/2025		TAP-9901(440)	
DRAWIN	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
	DATE	09/30/25					
	ВУ	KEL					
REVISIONS	DESCRIPTION	PLANS FOR BID					•

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS

STEEL RAILINGS AND POSTS SHALL BE GALVANIZED AFTER FABRICATION IN 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

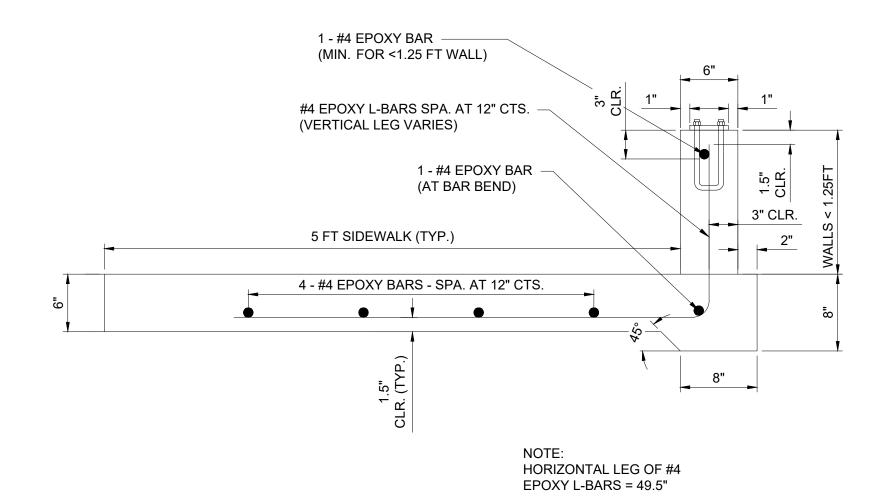
GENERAL NOTES:

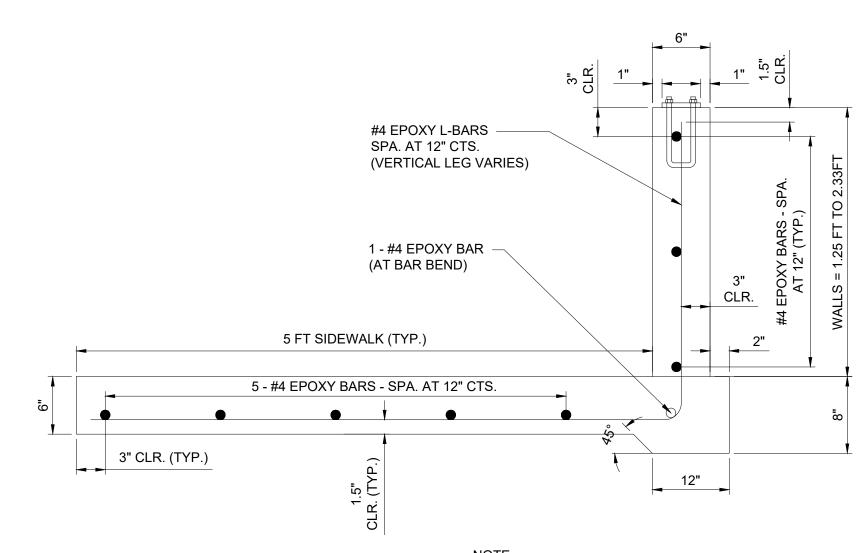
MOUNTING PLATE.

ACCORDANCE WITH AASHTO M111.

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

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





NOTE: HORIZONTAL LEG OF #4 EPOXY L-BARS = 61.5"

PARKER

NUMBER PE-2625008037

INT. RETAINING WALL WITH REINF.

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

SHEET NUMBER

38 OF 83

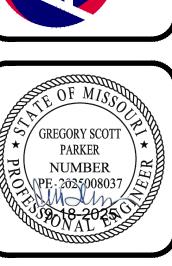
INSTALL R11-4 INSTALL G020-2 (END ROAD WORK SIGN) (ROAD CLOSED TO THRU TRAFFIC SIGN) INSTALL BARRICADES & R11-2 (ROAD CLOSED SIGN) INSTALL W020-1 (ROAD WORK AHEAD SIGN) INSTALL G020-2 (END ROAD WORK SIGN) SECOND ST. SECOND ST. INSTALL W020-1 (ROAD WORK AHEAD SIGN) INSTALL BARRICADES & INSTALL G020-2 FIRST ST. INSTALL G020-2 INSTALL R11-4 (END ROAD WORK SIGN) (ROAD CLOSED TO THRU TRAFFIC SIGN) TRAFFIC CONTROL NOTES: THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO DEMOLITION WORK.





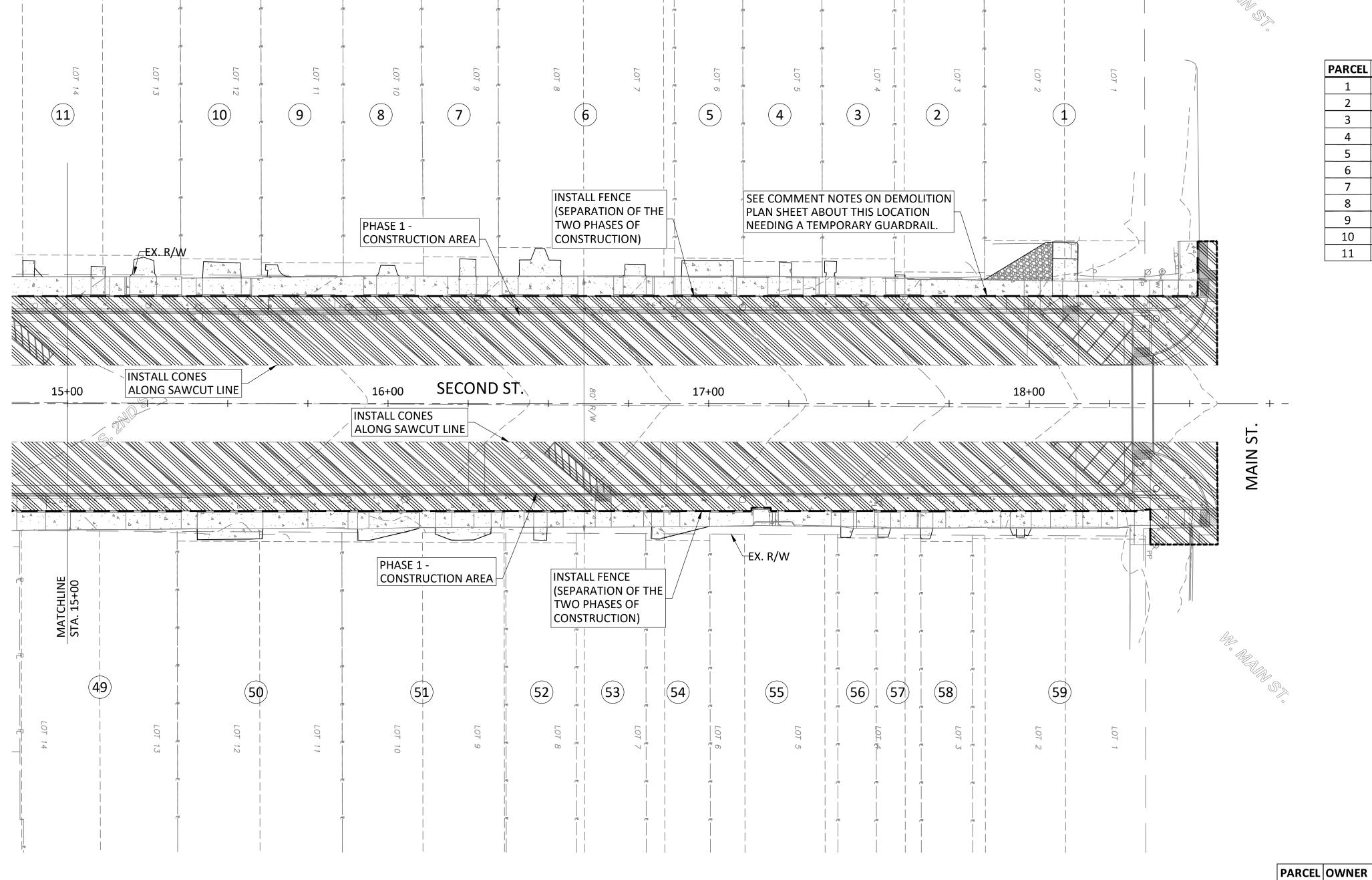


INSTALL W020-1 (ROAD WORK AHEAD SIGN) /-INSTALL G020-2 (END ROAD WORK SIGN) THIRD ST. INSTALL CHANNELIZER (CONES) & R9-9 (SIDEWALK CLOSED SIGN) INSTALL W020-1 (ROAD WORK AHEAD SIGN) INSTALL CHANNELIZER (CONES) & INSTALL G020-2 R9-9 (SIDEWALK CLOSED SIGN) INSTALL CHANNELIZER (CONES) & (END ROAD WORK SIGN) R9-9 (SIDEWALK CLOSED SIGN) SECOND ST. SECOND ST. INSTALL CHANNELIZER (CONES) & R9-9 (SIDEWALK CLOSED SIGN) INSTALL W020-1 R9-9 (SIDEWALK CLOSED SIGN) (ROAD WORK AHEAD SIGN) INSTALL CHANNELIZER (CONES) & INSTALL G020-2 FIRST ST. INSTALL G020-2 INSTALL W020-1 (END ROAD WORK SIGN) (ROAD WORK AHEAD SIGN) TRAFFIC CONTROL NOTES: THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO DEMOLITION WORK.





NDERSON INGINEERING MPLOYEE OWNED



PARCEL	OWNER
1	TRIPLE H LEASING, LLC
2	JACQUE L. FLOYD
3	COUNTRY INVESTMENTS INC.
4	JHW INVESTMENTS, LLC
5	JHW INVESTMENTS, LLC
6	IVA M. WILLIS
7	JENNIFER & JANET'S HOME TOWN CAFE, LLC
8	JENNIFER & JANET'S HOME TOWN CAFE, LLC
9	123 SOUTH SECOND STREET, LLC
10	CITY OF ODESSA
11	DIANE E. WHITE

49 JEFFREY B. & DEANNA M GASH 50 JEFFREY B. & DEANNA M GASH 51 JOSEPH H. & JAMIE L. WIMBERLY

53 JEROLD L. & SHANNON C. QUICK

57 RYAN A. & TIFFANY M. WATKINS

61 JDDJ PROPERTY VENTURES, LLC

56 ODESSA CHAMBER OF COMMERCE, INC.

54 CAROL A. PETERS TRUST 55 CAROL A. PETERS TRUST

58 ERNEST LEE HARDIN, JR.

52 AUSTIN HEFLIN

59 KEVIN D. HOFF

60 JAMES LOGSDON

DESCRIPTION BY DATE FIELD BY: NDO PLANS FOR BID KEL 09/30/25 DRAWN BY: NDO CHECK BY: CHECK BY: 9/18/2025 BATE: 9/18/2025 CHECK BY: 9/18/2025 CHECK BY: 9/18/2025 CHECK BY: 10ATE: BATE: 9/18/2025 CHECK BY: 10ATE: BATE: 10ATE:							()	
REVISIONS BY DATE FIELD BY CRIPTION KEL 09/30/25 DRAWN KEL 09/30/25 DRAWN CHECK F CHECK F DATE: ANDERSON ENGINEERING, INC. 2012 JOB NUIN	G INFO.		NDO		9/18/2025		TAP-9901(440)	
CRIPTION ANDERSON ENGINEERING, INC. 2012	DRAWIN	FIELD BY:	DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
CRIPTION ANDERSON ENGINEERING, INC. 2012		DATE	09/30/25					
DESCRIPTION PLANS FOR BID ©COPYRIGHT ANDERSON ENGINEERING, INC. 2012		ВУ	KEL					
	REVISIONS	DESCRIPTION	PLANS FOR BID					©COPYRIGHT ANDERSON ENGINEERING, INC. 2012

PARKER

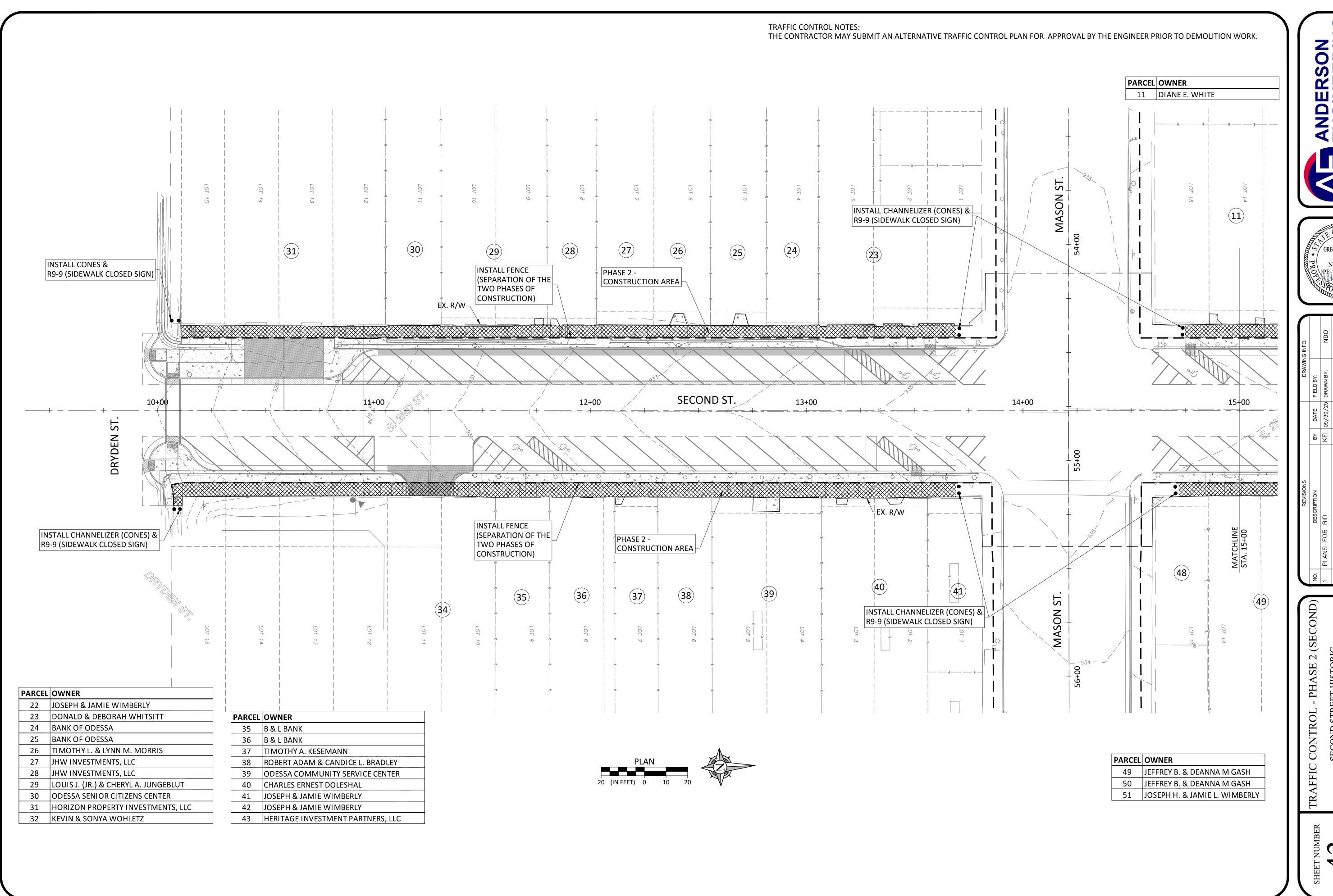
ANDERSON ENGINEERING EMPLOYEE OWNED

1					
	REVISIONS			DRAWIN	DRAWING INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	NDO
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(44
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

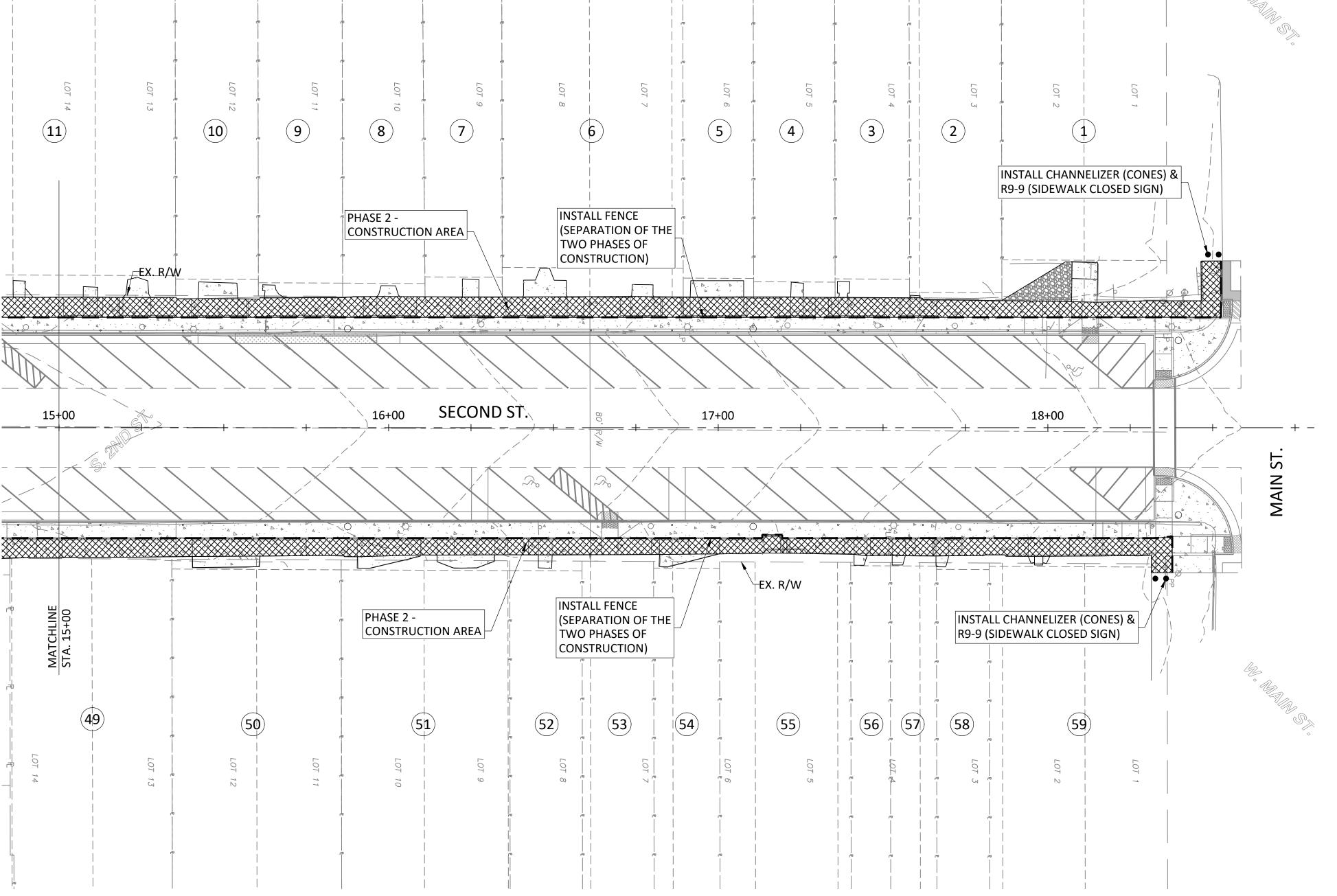
SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS

TRAFFIC CONTROL

 $\frac{1}{4}$



ANDERSON ENGINEERING EMPLOYEE OWNED



PARCEL	OWNER
1	TRIPLE H LEASING, LLC
2	JACQUE L. FLOYD
3	COUNTRY INVESTMENTS INC.
4	JHW INVESTMENTS, LLC
5	JHW INVESTMENTS, LLC
6	IVA M. WILLIS
7	JENNIFER & JANET'S HOME TOWN CAFE, LLC
8	JENNIFER & JANET'S HOME TOWN CAFE, LLC
9	123 SOUTH SECOND STREET, LLC
10	CITY OF ODESSA
11	DIANE E. WHITE

PARCEL OWNER

52 AUSTIN HEFLIN

59 KEVIN D. HOFF

60 JAMES LOGSDON

49 JEFFREY B. & DEANNA M GASH 50 JEFFREY B. & DEANNA M GASH 51 JOSEPH H. & JAMIE L. WIMBERLY

53 JEROLD L. & SHANNON C. QUICK

57 RYAN A. & TIFFANY M. WATKINS

61 JDDJ PROPERTY VENTURES, LLC

56 ODESSA CHAMBER OF COMMERCE, INC.

54 CAROL A. PETERS TRUST 55 CAROL A. PETERS TRUST

58 ERNEST LEE HARDIN, JR.

PARCEL	OWNER
1	TRIPLE H LEASING, LLC
2	JACQUE L. FLOYD
3	COUNTRY INVESTMENTS INC.
4	JHW INVESTMENTS, LLC
5	JHW INVESTMENTS, LLC
6	IVA M. WILLIS
7	JENNIFER & JANET'S HOME TOWN CAFE, LLC
8	JENNIFER & JANET'S HOME TOWN CAFE, LLC
9	123 SOUTH SECOND STREET, LLC
10	CITY OF ODESSA
11	DIANE E. WHITE

DRAWING INFO.		NDO		9/18/2025		TAP-9901(440)	
DRAWIN	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
	DATE	09/30/25					
	ВУ	KEL					
REVISIONS	DESCRIPTION	PLANS FOR BID					©COPYRIGHT ANDERSON ENGINEERING, INC. 2012
	NO.	_					

ANDERSON ENGINEERING EMPLOYEE OWNED

		REVISIONS			DRAWING	\blacksquare
$\overline{\bigcirc}$	ON O	DESCRIPTION	ВУ	DATE	FIELD BY:	
	<u></u>	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	
					CHECK BY:	
					DATE:	
					FIELD BOOK:	
					JOB NUMBER:	
_		©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

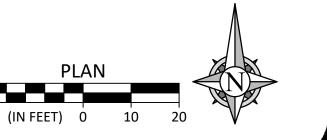
SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS

44



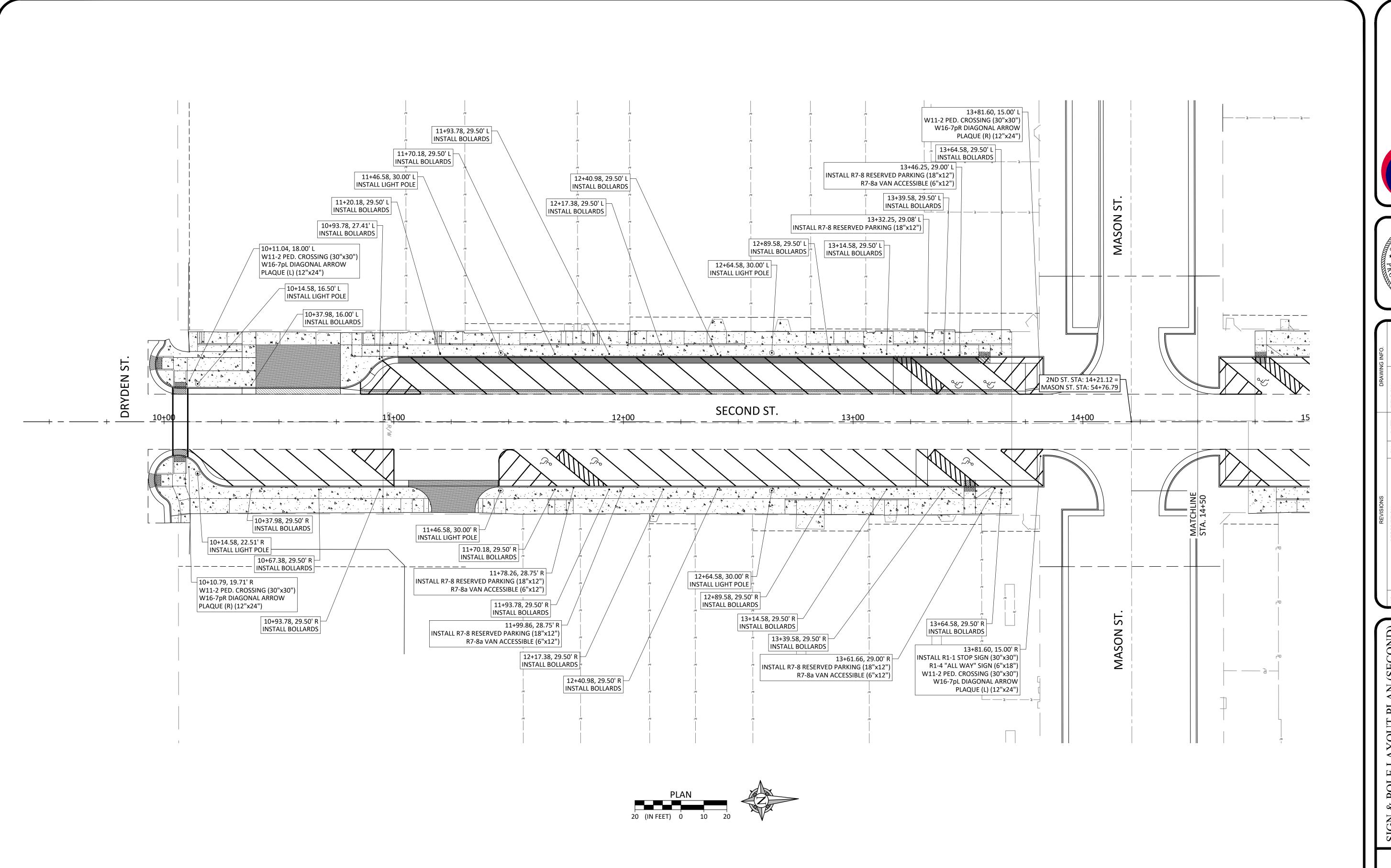
LEGEND

STAGING AND PARKING AREA



ANDERSON ENGINEERING EMPLOYEE OWNED

DESCRIPTION	ВУ	DATE	FIELD BY:	
PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	_
			CHECK BY:	
			DATE:	9/1
			FIELD BOOK:	
			JOB NUMBER:	TAP-6
©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				





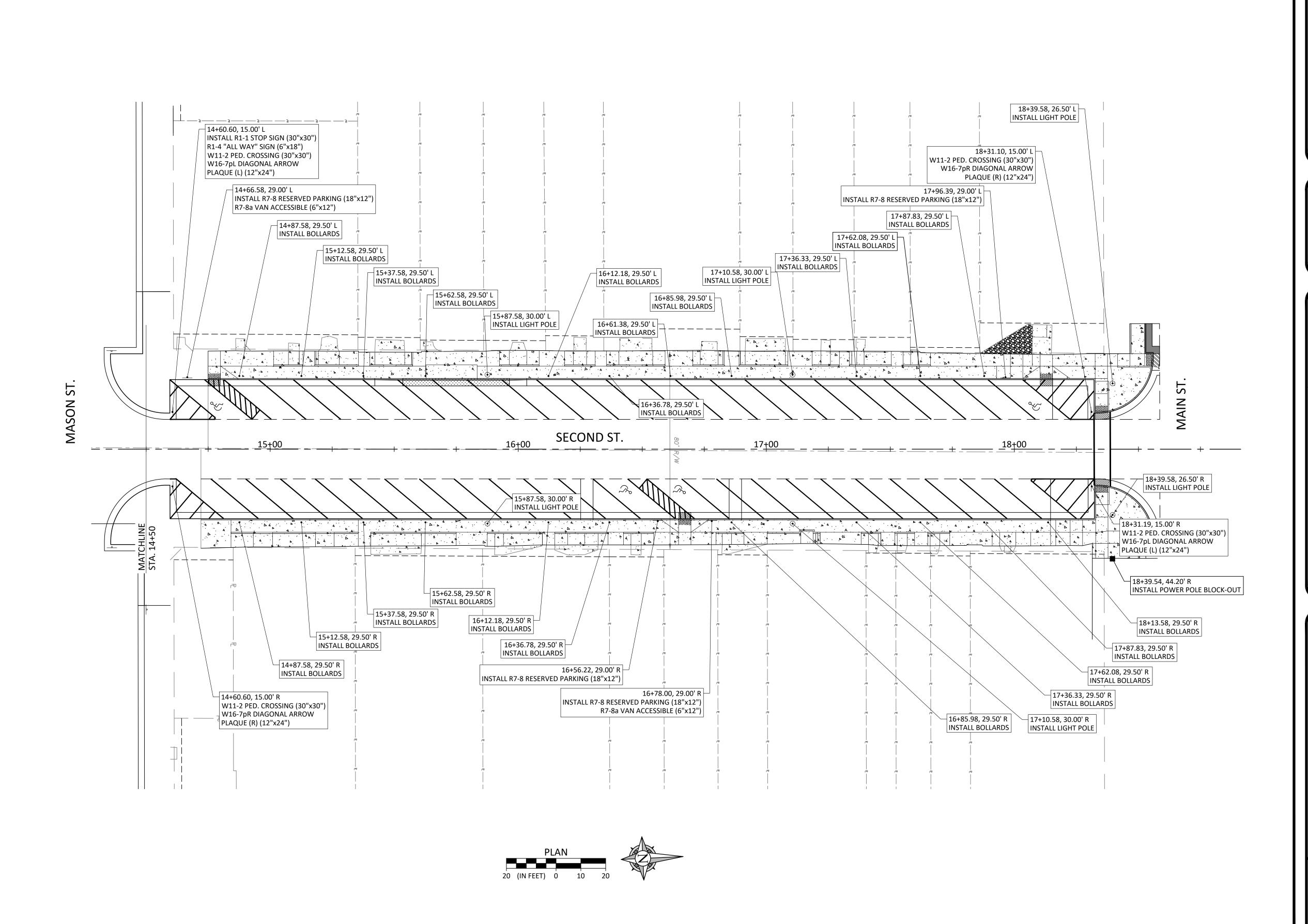




William Co.	TIS * PROFUE	GRI NPE	EGOR PAR NUM 202	Y SCO KER IBEJ	R	リング
		NDO		18/2025		(0, 1), 000

	REVISIONS			DRAWING INFO.	G INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
<u>-</u>	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	NDO
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440)
	CACC ON CHICKNING INCREDIA TUCIDADOC				

	(SECOND)	1 PLAN	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	EMENIS	T48N, R28N	
REVISIONS	DESCRIPTION	PLANS FOR BID				
	ВУ	KEL 09/				
	<u></u>	60				





GREGORY SCOTT

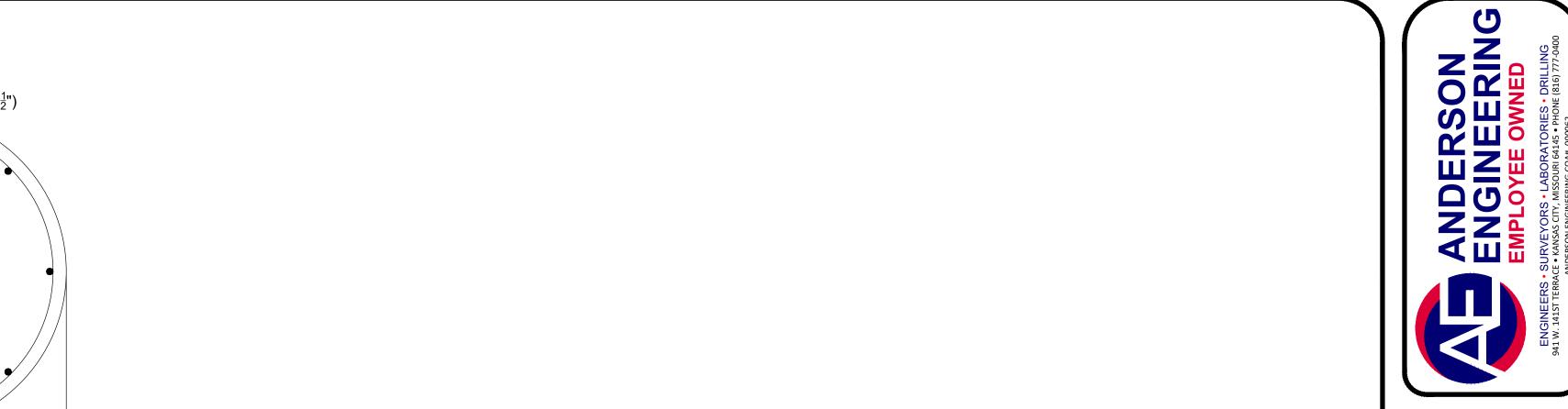
PARKER

NUMBER

SIGN

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS

4



DRAWING INFO.		ND(9/18/20		R: TAP-990	
Ma	FIELD BY:	KEL 09/30/25 DRAWNBY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
	DATE	09/30/25					
	ВУ	KEL					
REVISIONS	DESCRIPTION	PLANS FOR BID					©COPYRIGHT ANDERSON ENGINEERING, INC. 2012

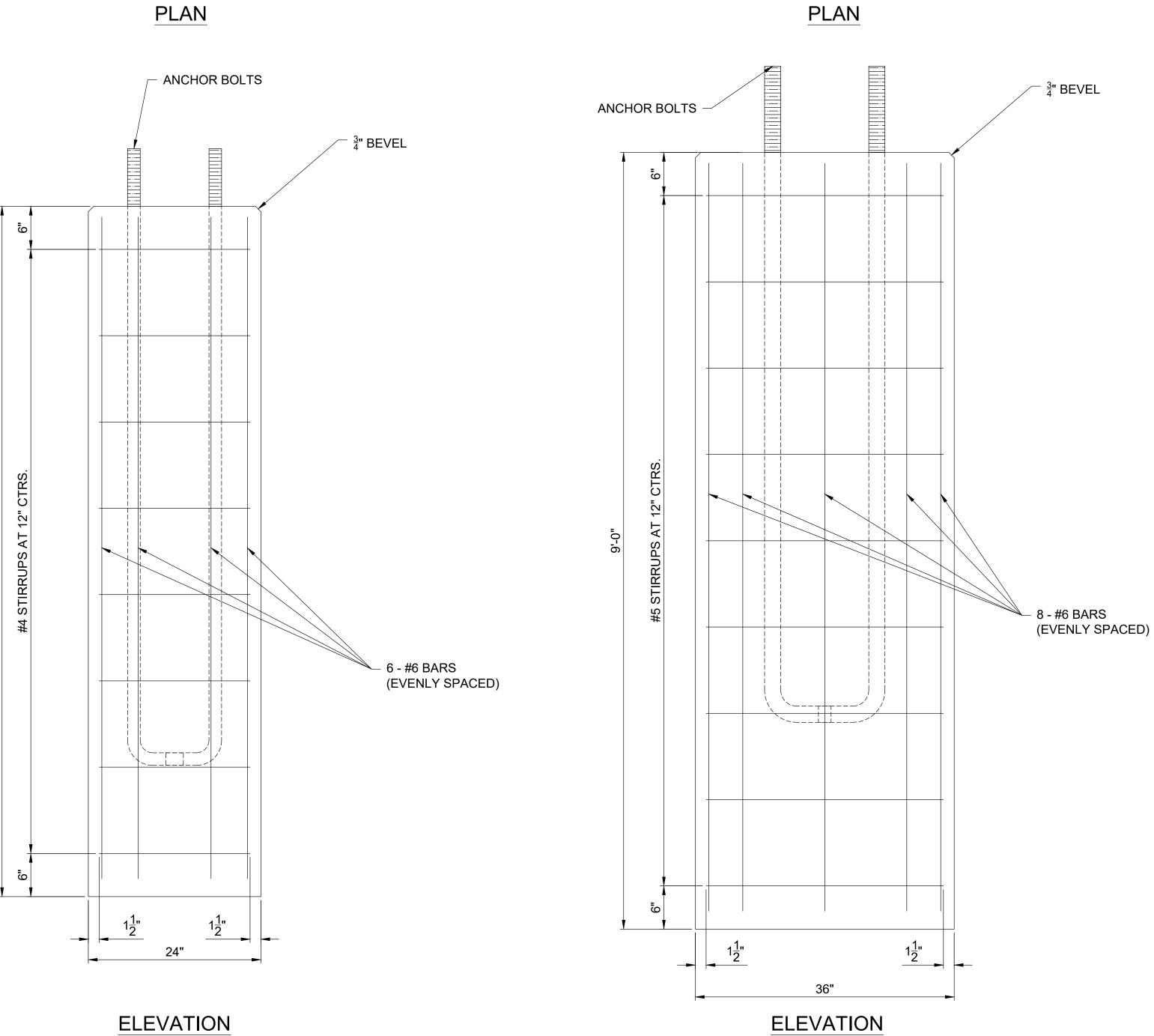
POLE FOUNDATION DETAILS

 $\overline{}$ BOLT CIRCLE (20 $\frac{1}{2}$ ") #5 BARS #6 BARS

#4 BARS -

#6 BARS -

BOLT CIRCLE (16")



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

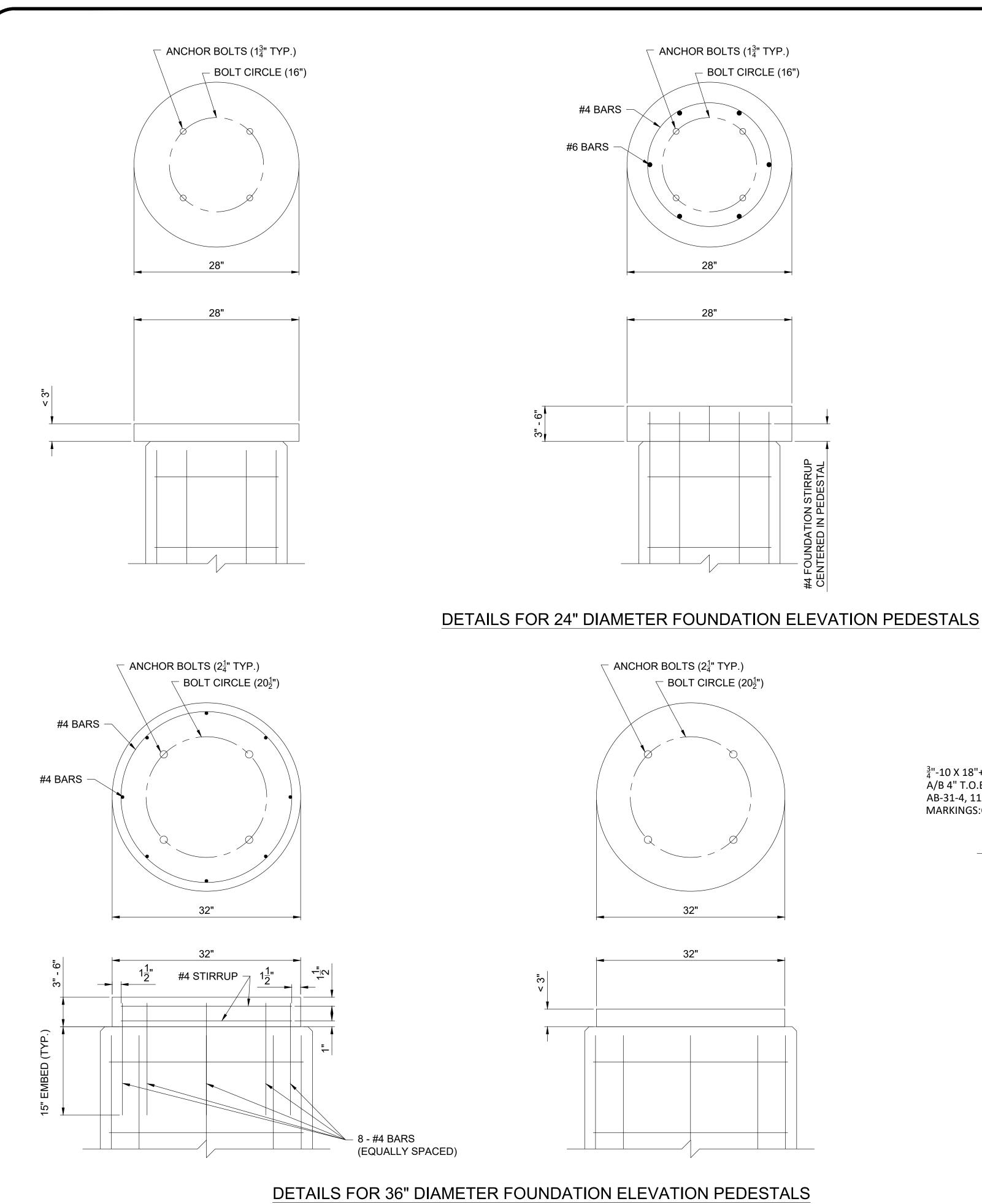
GENERAL NOTES:

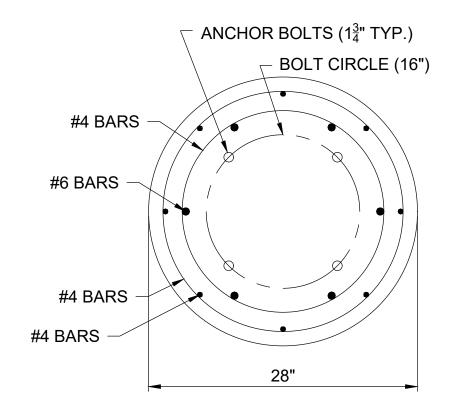
ALL CLASSIFICATIONS ARE ASTM UNLESS OTHERWISE NOTED. SEE STANDARD SPECIFICATIONS FOR CLASSIFICATIONS NOT SHOWN.

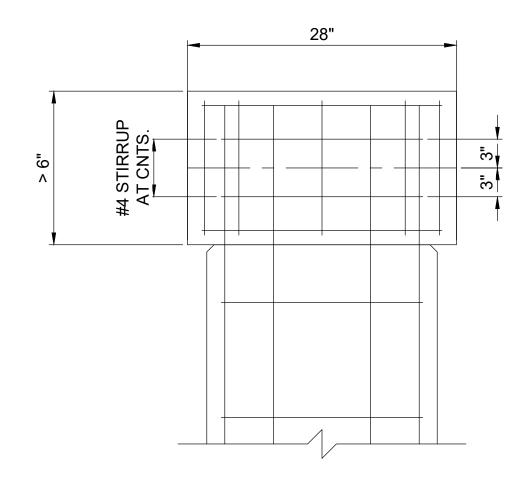
ALL CONNECTOR PLATES AND CLOSURE PLATE THICKNESSES SHOWN ARE MINIMUM DIMENSIONS.

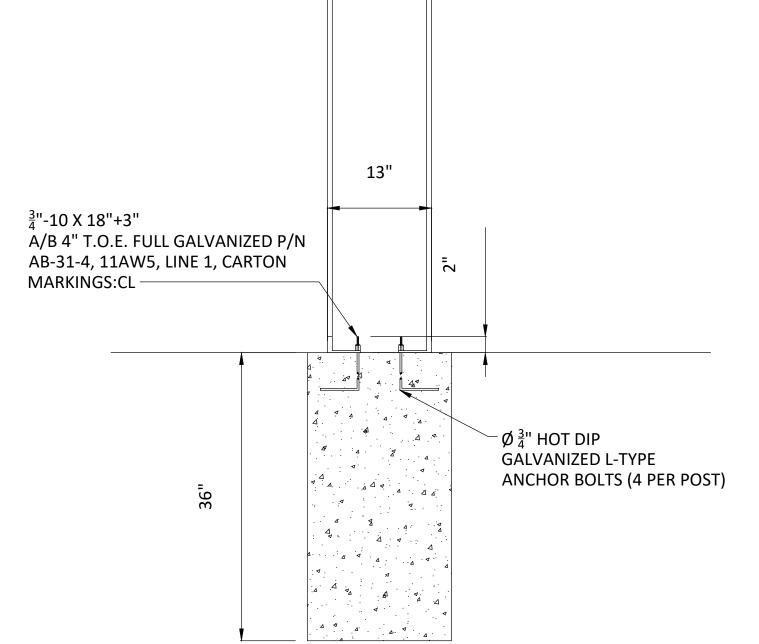
ALL STEEL COMPONENTS SHALL BE HOT DIPPED GALVANIZED UNLESS DETAILED OTHERWISE.

ANCHOR BOLT HOOKS SHALL BE DIRECTED TOWARDS THE CENTER OF FOUNDATIONS









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

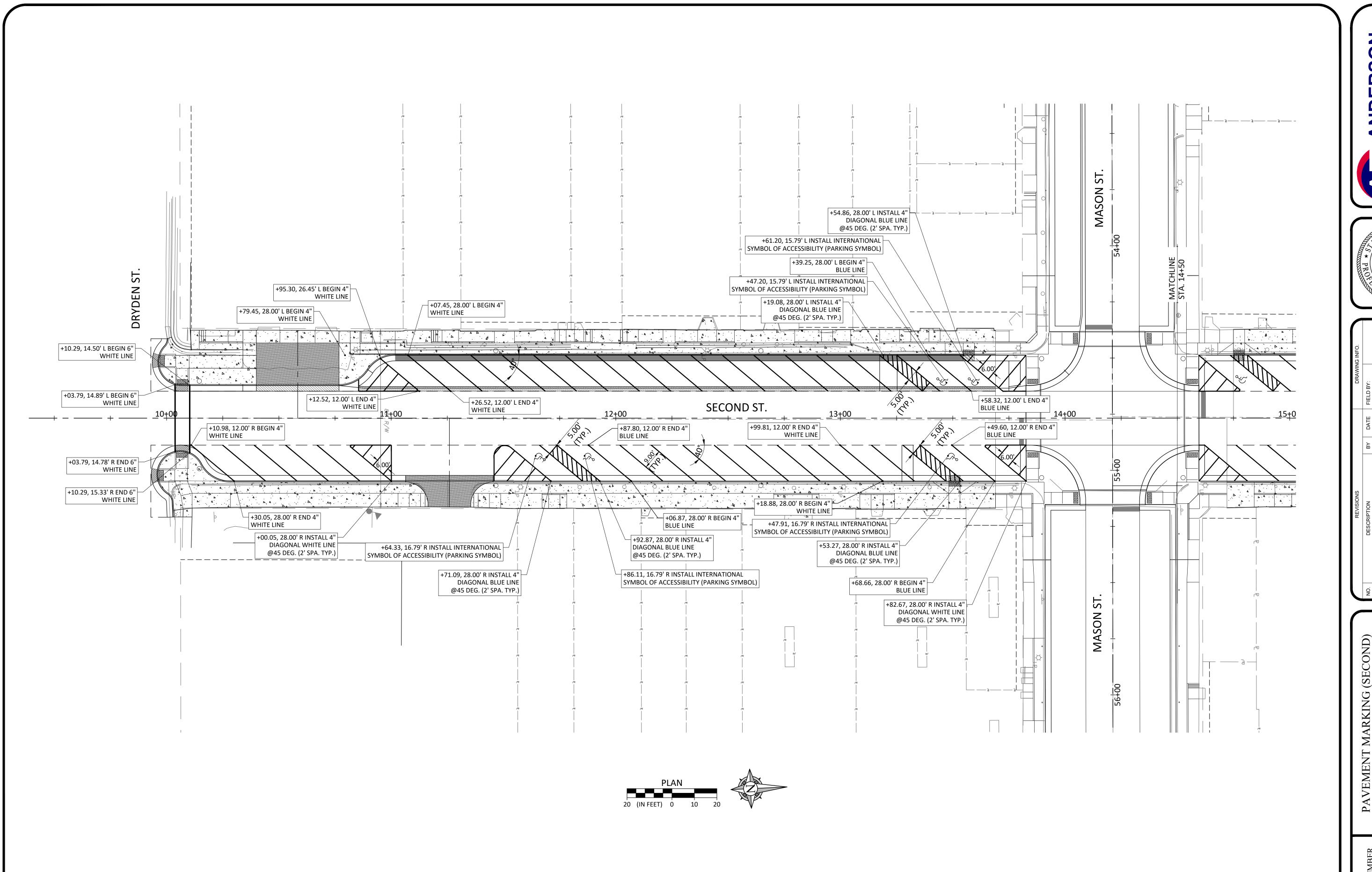




TAP-	JOB NUMBER:				
	FIELD BOOK:				
9/1	DATE:				
	CHECK BY:				
_	KEL 09/30/25 DRAWN BY:	09/30/25	KEL	PLANS FOR BID	<u> </u>
	FIELD BY:	DATE	Β	DESCRIPTION	Š.
G INFC	DRAWING INFC			REVISIONS	

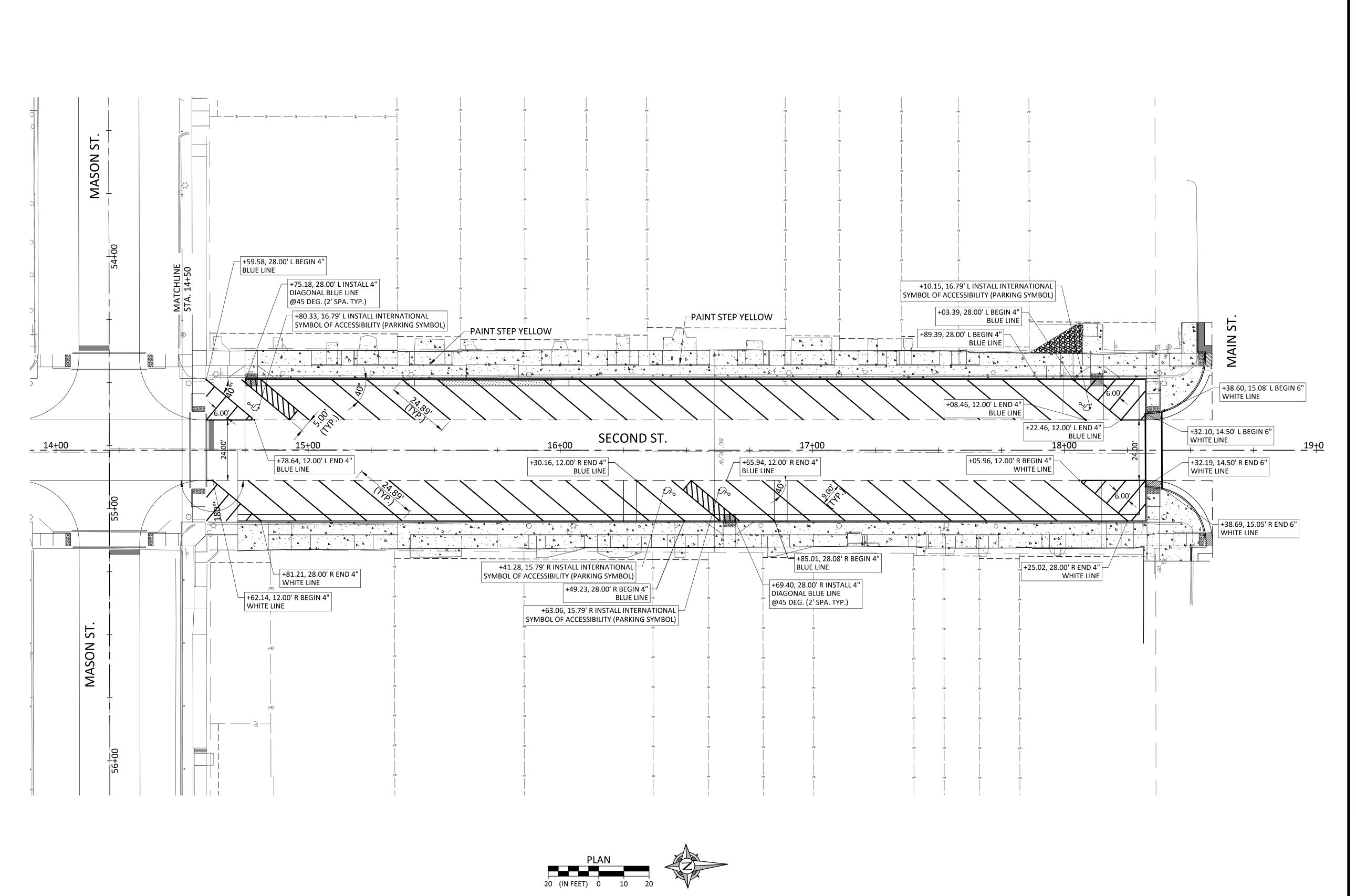
POLE FOUNDATION DETAILS

J



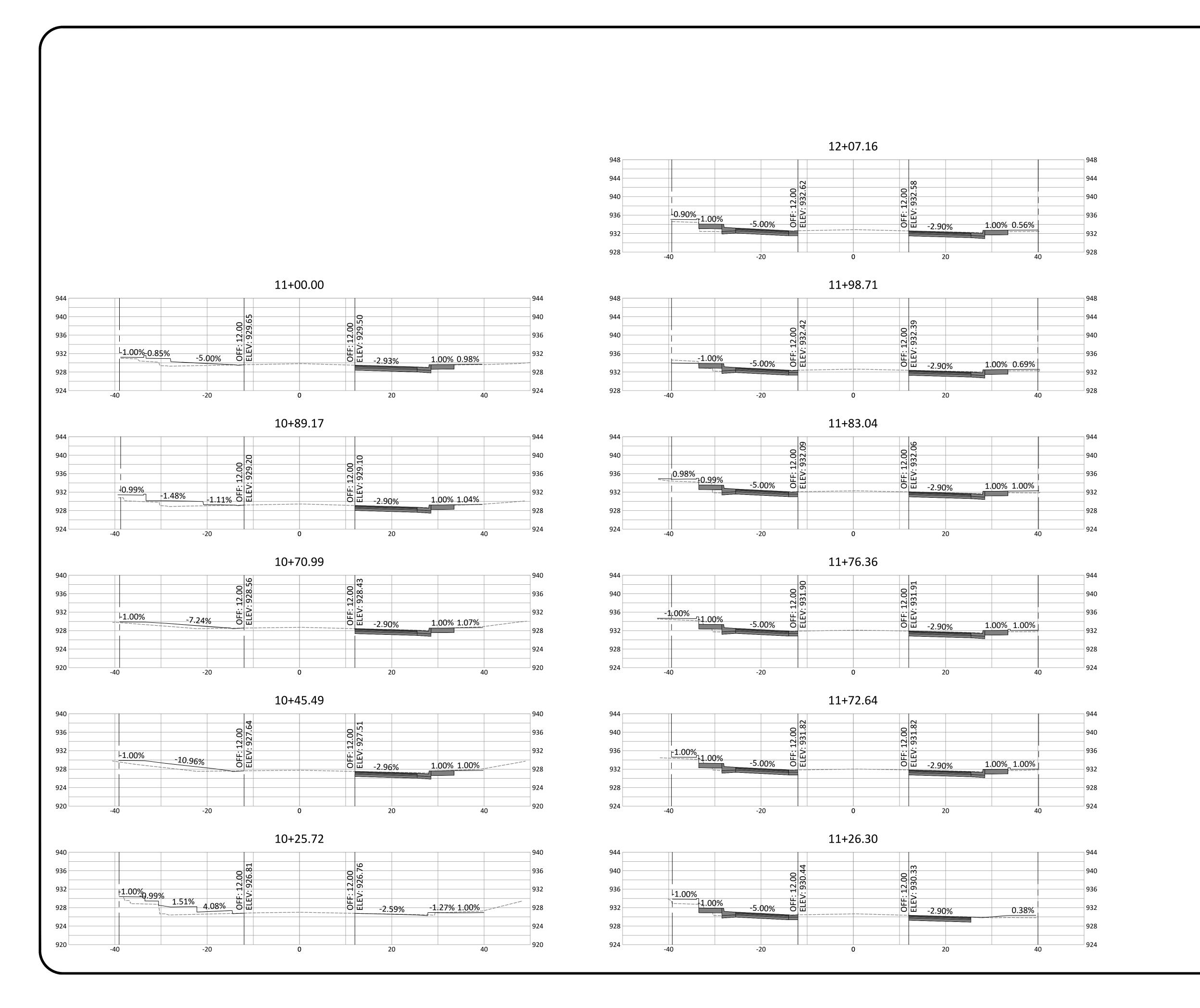
PARKER NUMBER

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS



PARKER

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS

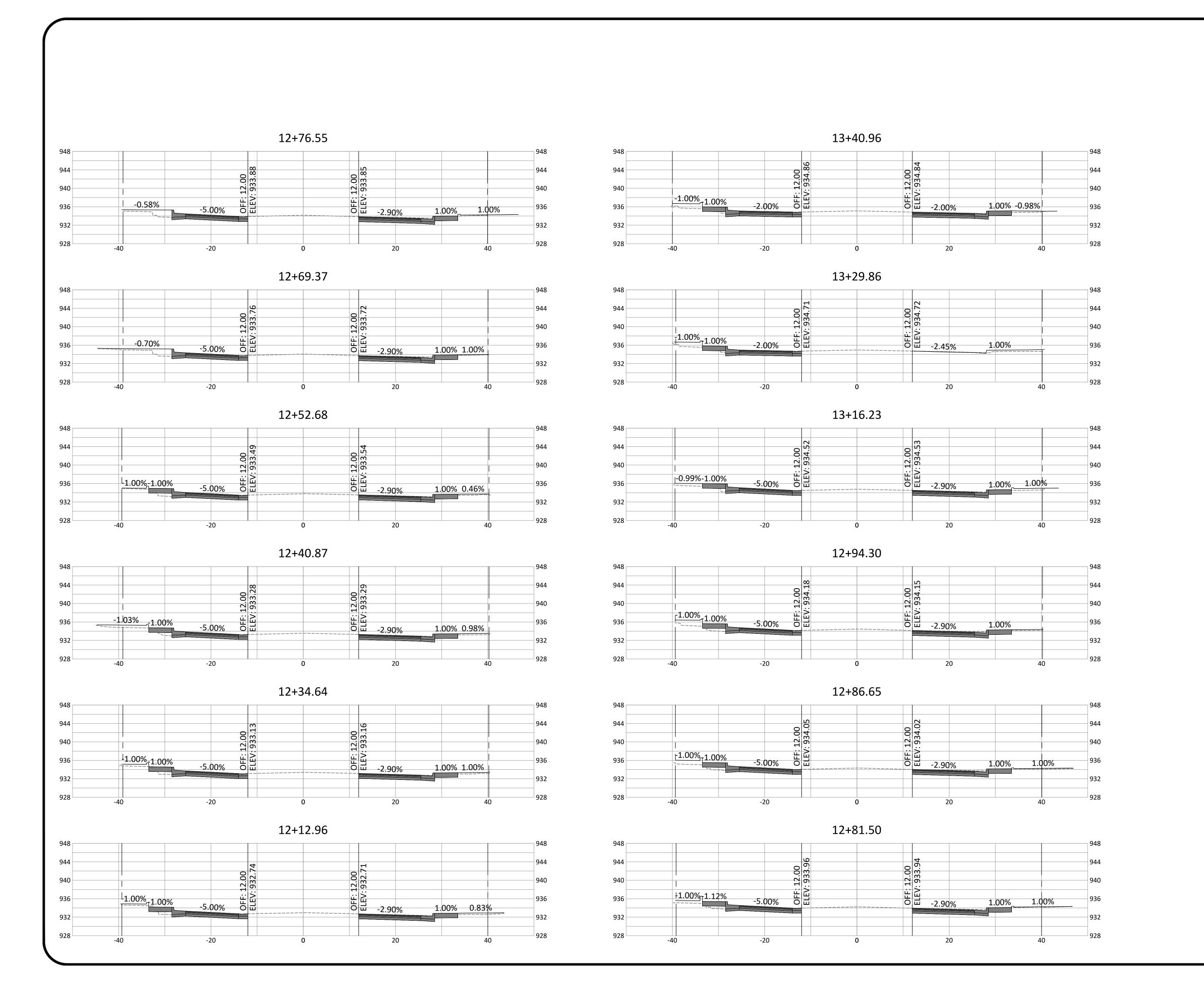




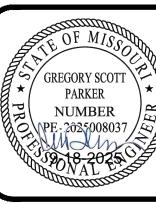


DRAWING INFO.		CAW		9/18/2025		TAP-9901(440)	
DRAWII	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
	DATE	09/30/25					
	ВУ	KEL					
REVISIONS	DESCRIPTION	PLANS FOR BID					©COPYRIGHT ANDERSON ENGINEERING, INC. 2012
	NO.						

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







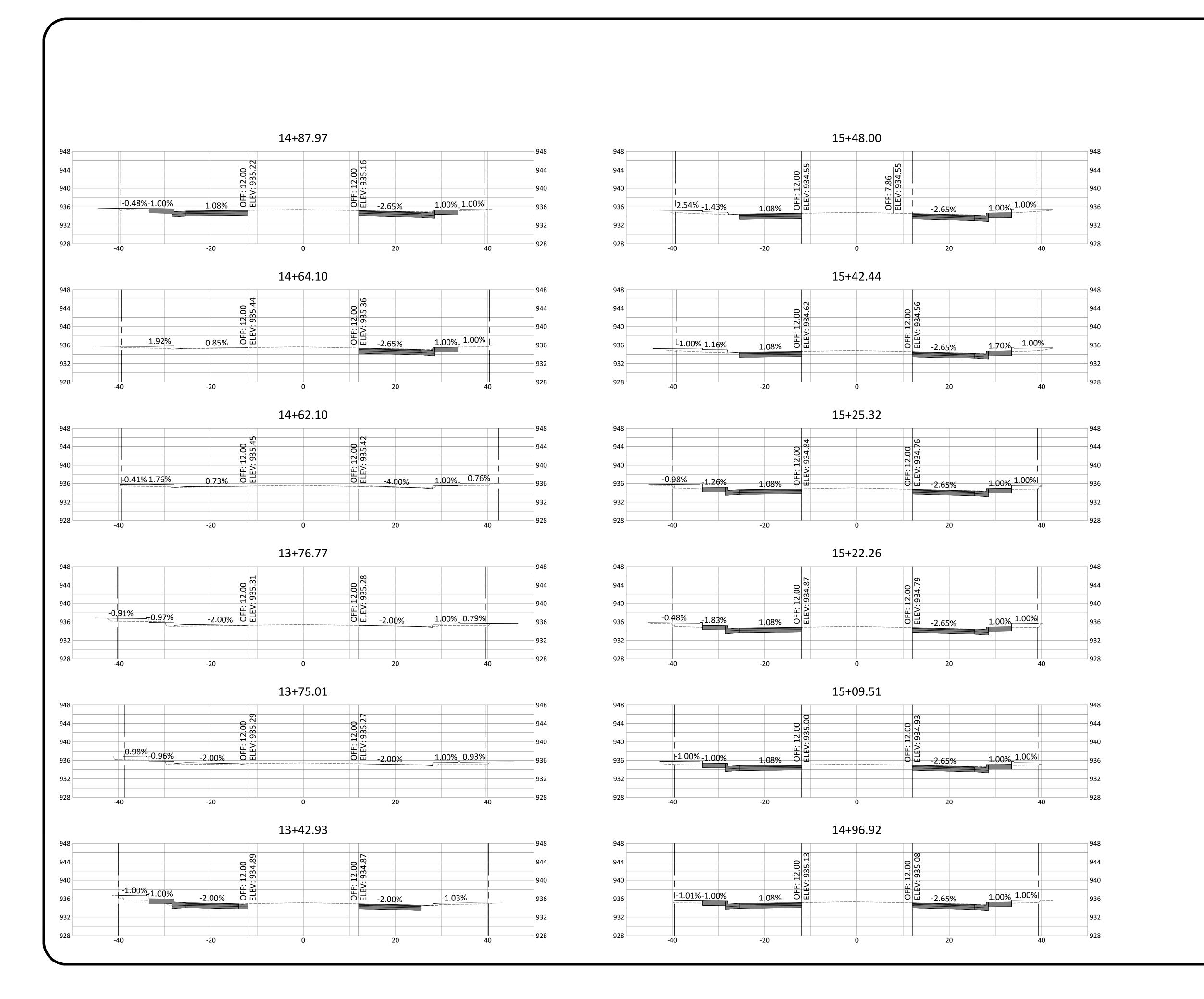
DRAWING INFO.		CAW		9/18/2025		TAP-9901(440	
DRAWI	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
	DATE	09/30/25					
	B	KEL					
REVISIONS	DESCRIPTION	PLANS FOR BID					©COPYRIGHT ANDERSON ENGINEERING, INC. 2012
	Š.	_					

CROSS SECTIONS (SECOND)

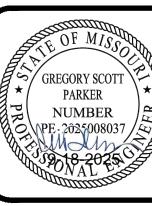
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N ODESSA, LAFAYETTE COUNTY, MO SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS

SHEET NUMBER

Sof 83



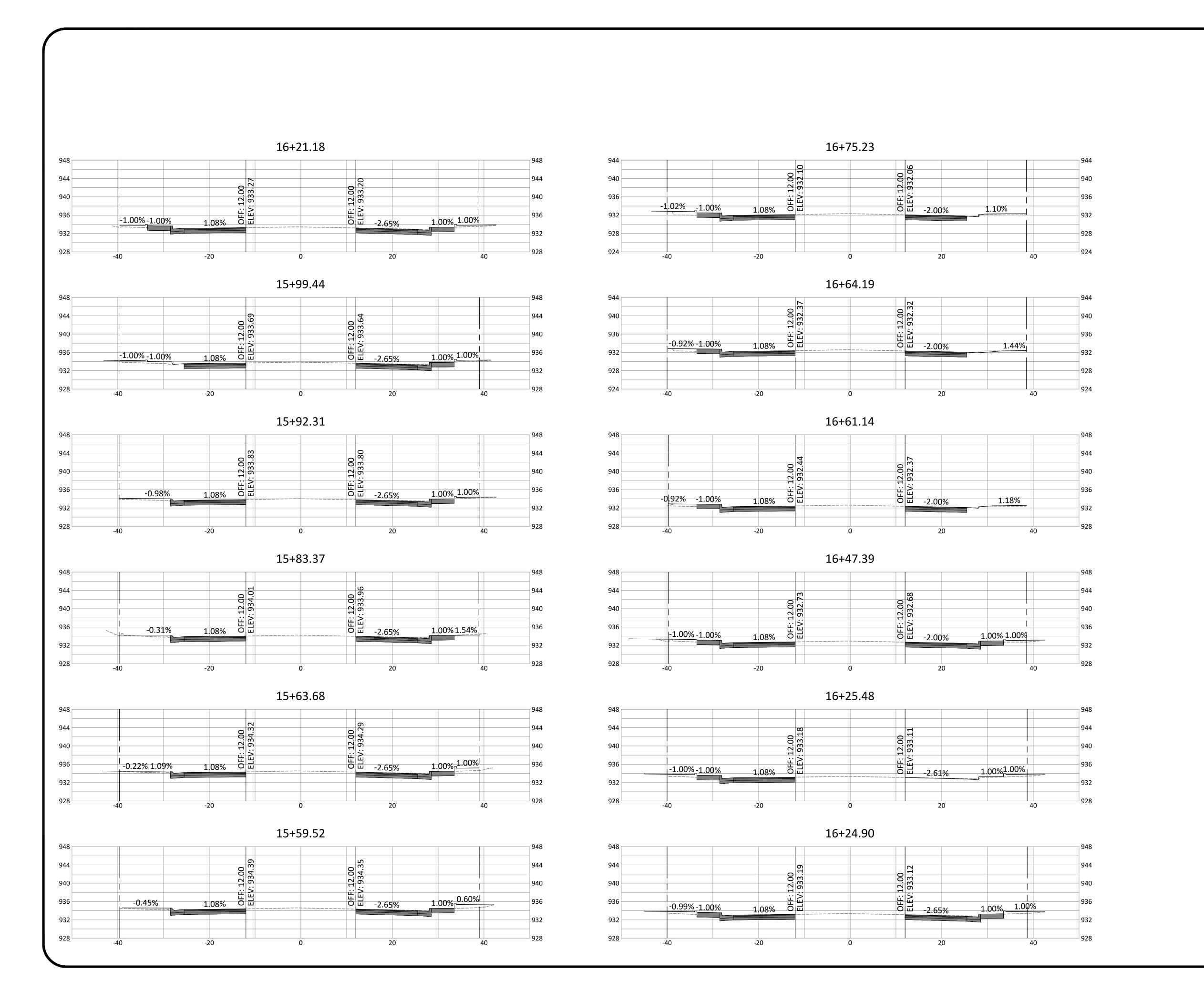




1					5		(04)	
	INFO.		CAW		9/18/2025		TAP-9901(440)	
	DRAWING INFO.	FIELD BY:	KEL 09/30/25 DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
		DATE	09/30/25					
		ВУ	KEL					
	REVISIONS	DESCRIPTION	PLANS FOR BID					©COPYRIGHT ANDERSON ENGINEERING, INC. 2012
		Š.	_					

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

SHEET NUMBEJ

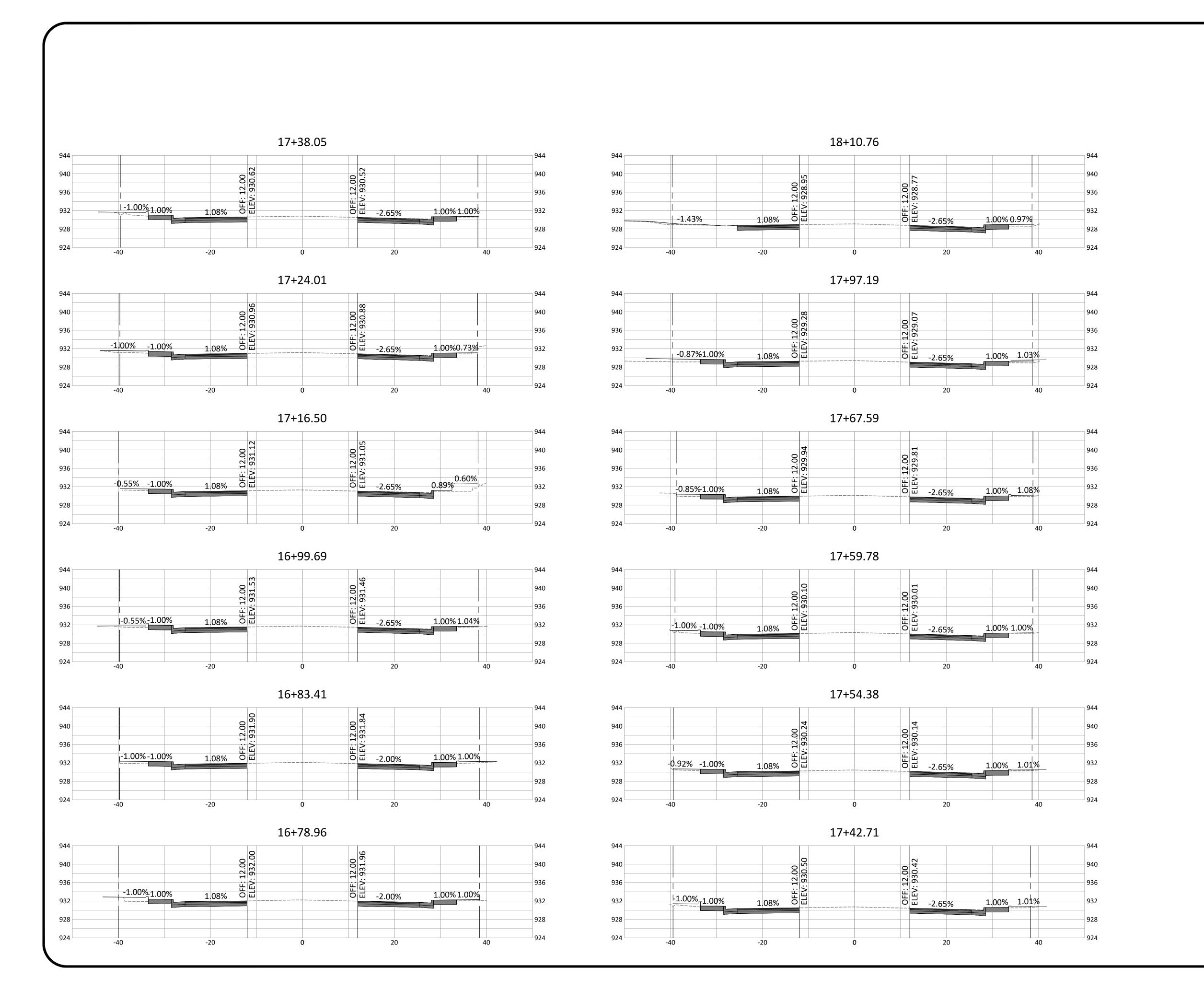




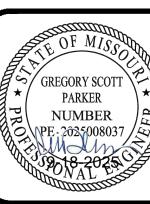


	REVISIONS			DRAWING INFO.	G INFO.
N O	DESCRIPTION	BY	DATE	FIELD BY:	
_	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440)
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS

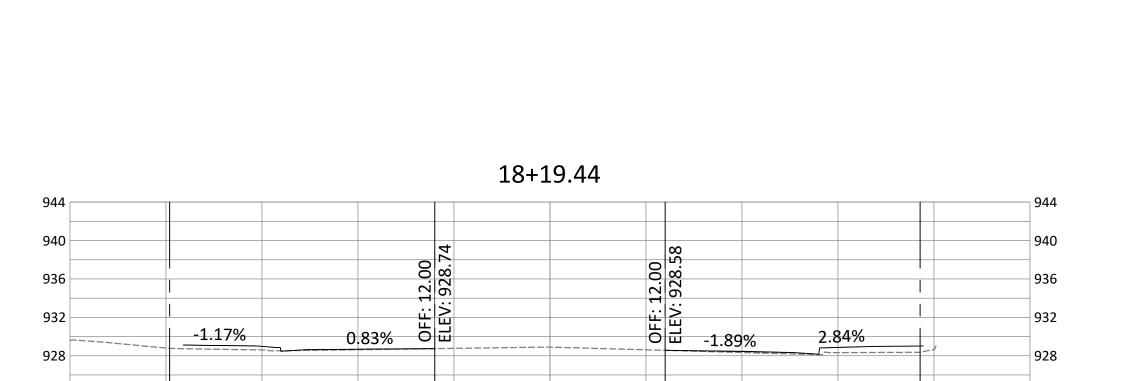






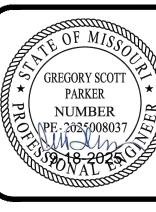
	REVISIONS			DRAWING INFO.	IG INFO.
Š.	DESCRIPTION	ВУ	DATE	FIELD BY:	
_	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440)
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS



-20





	KEVISIONS			DRAWIN	DRAWING INFO.
<u>o</u>	DESCRIPTION	ВУ	DATE	FIELD BY:	
	PLANS FOR BID	KEL	09/30/25	KEL 09/30/25 DRAWN BY:	CAW
				CHECK BY:	
				DATE:	9/18/2025
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(44
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				

		REVISIONS		
	o O N	DESCRIPTION	ВУ	DATE
	-	PLANS FOR BID	KEL	KEL 09/30/2
į				
SL				
R28N				
, IVIO		©COPYRIGHT ANDERSON ENGINEERING, INC. 2012		

CROSS SECTIONS (SECOND)

SECOND STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS
SECTION 36, T49N, R28W / SECTION 01, T48N, R28N
ODESSA, LAFAYETTE COUNTY, M

OF 83

ELECTRICAL GENERAL SYMBOLS

EQUIPMENT DESIGNATION.

SECTION/ELEVATION REFERENCE NUMBER. SECTION/ELEVATION SHEET NUMBER.

-WIRING CONTINUATION REFERENCE NUMBER. ---WIRING CONTINUATION SHEET NUMBER.

SWITCHED HOT)

CONDUIT AND CIRCUITRY TO BE REMOVED. BRANCH CIRCUIT WIRING RUN IN CONCEALED CONDUIT WHERE

BRANCH CIRCUIT CONDUCTORS: GROUND, NEUTRAL, HOT (OR

SINGLE BRANCH CIRCUIT HOME RUN IN SINGLE CONDUIT WITH PANELBOARD DESIGNATION AND CIRCUIT BREAKER NUMBER. #12 AWG UNLESS OTHERWISE NOTED.

PARTIAL BRANCH CIRCUIT. MULTIPLE BRANCH CIRCUIT HOME RUNS IN SINGLE CONDUIT WITH PANELBOARD DESIGNATION AND CIRCUIT BREAKER NUMBER.

> NUMBER OF ARROW HEADS EQUALS NUMBER OF HOMERUNS IN BRANCH CIRCUIT UNDERFLOOR/BELOW GRADE CONDUIT.

LOW VOLTAGE CABLING CONCEALED IN CONDUIT.

ELECTRICAL SITE UTILITY (CONDUIT AND WIRING).

ELECTRICAL LIGHTING SYMBOLS

POLE, WITH POLE MOUNTED LIGHT FIXTURE.

LIGHT BOLLARD

PHOTOCELL.

LIGHT SWITCH, TOGGLE TYPE, 20 AMP, 120-277 VOLT AC.

3-WAY LIGHT SWITCH, TOGGLE TYPE, 20 AMP, 120-277 VOLT AC.

4-WAY LIGHT SWITCH, TOGGLE TYPE, 20 AMP, 120-277 VOLT AC.

WEATHERPROOF LIGHT SWITCH, 20AMPS, 120-277 VOLT AC.

ELECTRICAL POWER SYMBOLS

PANELBOARD.

CONTROL PANEL.

UTILITY METER ENCLOSURE.

NON-FUSED DISCONNECT SWITCH.

FUSED DISCONNECT SWITCH.

MANUAL TRANSFER SWITCH.

CIRCUIT BREAKER STYLE DISCONNECT SWITCH.

COMBINATION MOTOR STARTER/DISCONNECT SWITCH.

DEDICATED SIMPLEX RECEPTACLE.

 $\overline{\mathbf{Q}}$ DUPLEX CONVENIENCE RECEPTACLE.

DUPLEX RECEPTACLE MOUNTED AT THE CEILING. 0

D WEATHER PROOF, GROUNDING TYPE DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20 AMP AC, 125 VOLT, NEMA 20-R, HEAVY DUTY.

* GROUNDING TYPE DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20 AMP, 120 VOLT AC, NEMA 5-20R, HEAVY DUTY.

WEATHERPROOF, GROUNDING TYPE DUPLEX RECEPTACLE WITH GROUND **→** FAULT INTERRUPTER, 20 AMP, 120 VOLT AC, NEMA 5-20 R, HEAVY DUTY.

DUPLEX RECEPTACLE MOUNTED ABOVE THE COUNTER BACK SPLASH. -

AG GROUND FAULT INTERRUPTER TYPE RECEPTACLE, MOUNTED ABOVE THE COUNTER BACK SPLASH.

SPECIAL PURPOSE RECEPTACLE - WALL MOUNTED. SUPERSCRIPT LETTER INDICATES TYPE.

FOURPLEX CONVENIENCE RECEPTACLE.

EMERGENCY STOP PUSH-BUTTON.

MOTOR.

MOTOR STARTER.

TRANSFORMER.

GROUNDING ELECTRODE.

GROUNDING ELECTRODE TEST WELL.

ELECTRICAL NOTATIONS

ADA

BAS

CKT

ETR

NETA

NFPA

NICET

TYP

UNO

UTP

VDC

CIRCUIT.

EXISTING TO REMAIN

JUNCTION BOX.

KIRK KEY INTERLOCK.

GENERAL CONTRACTOR.

INDICATING DEVICE CIRCUIT.

FOILED UNSHIELDED TWISTED PAIR.

INDEPENDENT CONTROLS CONTRACTOR.

INDICATES SINGLE CONDUCTOR CABLE.

FAULT CIRCUIT BREAKER TRIP SETTINGS.

NATIONAL ELECTRIC CODE (NFPA 70).

NATIONAL FIRE PROTECTION AGENCY.

IN ENGINEERING TECHNOLOGY.

SOLID BARE TINNED COPPER.

UNDERWRITERS LABORATORIES, INC.

THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES

THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES

THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES

WEATHER-PROOF ENCLOSURE WITH GROUND FAULT

DIMENSIONS ADJACENT TO ANY SYMBOL INDICATES

MOUNTING HEIGHT TO CENTERLINE OF DEVICE.

DEVICE BOTTOM TO BE MOUNTED 4" ABOVE COUNTER

THIS LETTER ADJACENT TO ANY SYMBOL INDICATES

BACKSPLASH AND GROUND FAULT RECEPTACLE.

TWISTED SHIELDED PAIR.

UNLESS NOTED OTHERWISE

UNSHIELDED TWISTED PAIR

VOLTS DIRECT CURRENT.

VOLTS ALTERNATING CURRENT.

GROUND FAULT INTERRUPTER.

WEATHER-PROOF DEVICE/ENCLOSURE.

NORMALLY OPEN.

NIGHT LIGHT.

MILLIAMPS.

MAXIMUM.

MINIMUM.

ON CENTER

PULL COUNT.

REVISION.

TYPICAL.

VOLTS.

INTERRUPTER.

NORMALLY CLOSED.

LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND

FAULT CIRCUIT WITH METERING BREAKER TRIP SETTINGS.

LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND

NATIONAL ELECTRIC CONTRACTORS ASSOCIATION.

NATIONAL ELECTRIC TESTING ASSOCIATION.

NATIONAL INSTITUTE FOR CERTIFICATION

NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION.

THESE PLANS ARE SCHEMATIC IN NATURE AND ARE INTENDED TO DEPICT AMERICANS WITH DISABILITIES ACT. GENERAL SCOPE OF WORK. ALL WORK SHALL BE PERFORMED PER ALL LOCAL AND ABOVE FINISHED FLOOR. STATE CODES AND REGULATIONS. AMERICAN NATIONAL STANDARDS INSTITUTE.

BUILDING AUTOMATION SYSTEM. COORDINATE ALL WORK WITH OWNER, ENGINEER, EQUIPMENT MANUFACTURERS, AND ALL OTHER TRADES. ELECTRONICALLY OPERATED.

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

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.

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.

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

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.

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

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.

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.

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

SYMBOLS/NOTATIONS GENERAL NOTES:

BE USED ON THIS PROJECT.

THE SYMBOLS/NOTATIONS SHOWN ON THIS SHEET ARE A COMPLETE LIST OF

2) ALL ITEMS SHOWN DASHED ON WIRING DIAGRAMS OR RISER DIAGRAMS ARE

SYMBOLS/NOTATIONS USED BY InSite Group, Inc. AND NOT ALL SYMBOLS/NOTATIONS MAY

LOW-VOLTAGE WIRING, CONTROL WIRING, OR POSSIBLY FUTURE ITEMS UNLESS NOTED OTHERWISE. REFER TO THE NOTES ON THOSE PLANS FOR ADDITIONAL INFORMATION.

GENERAL NOTES:

DEVICES ALLOWING FOR END TERMINATIONS/CONNECTIONS.

AND COMPLETE INSTALLATION.

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

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

LABEL ALL JUNCTION BOXES WITH CIRCUIT NUMBER(S) CONTAINED IN THE WITH SELF ADHESIVE PRINTED LABEL (BRADY OR EQUIVALENT).

ALL CIRCUITS SHALL BE ROUTED IN DEDICATED RACEWAY AND PULL BOXES ROUTED IN A COMMON PULL BOX UNLESS APPROVED BY ENGINEER. DO NOT SHARE ANY NEUTRAL CONDUCTORS FOR DIFFERENT CIRCUITS.

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

PROVIDE CONDUCTORS FOR LISTED APPLICATIONS AS FOLLOWS (FURNISHED BY

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.

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.

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, SURFACE MOUNTED, EXPOSED TO WET OR DAMP LOCATIONS: RIGID GALVANIZED STEEL, WITH THREADED FITTINGS, HUB FITTINGS, AND

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

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

* SCHEDULE 40 PVC CONDUIT.

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

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

ELECTRICAL GENERAL NOTES:

COORDINATE POWER REQUIREMENTS AND FINAL LOCATIONS OF ALL EQUIPMENT DEVICES, ETC. WITH FINAL EQUIPMENT SELECTION AND INSTALL ALL NECESSARY 15)

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.

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, 16)

JUNCTION BOX AND EQUIPMENT SERVED BY CIRCUITRY IN THE JUNCTION BOX

UNLESS SPECIFICALLY NOTED OTHERWISE. CIRCUITS ARE NOT ALLOWED TO BE

THE FACILITIES' ELECTRICAL SAFETY PROGRAM.

INTERIOR POWER AND LIGHTING CIRCUITS: COPPER, TYPE THHN, 600 VOLTS, 90

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

ALL CONDUCTORS SHALL BE PROVIDED WITH SOLID COLOR INSULATION THE

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

GASKETED ENCLOSURES.

* TURN-UPS SHALL BE SCHEDULE 80 PVC.

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.

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

FEEDER VOLTAGE DROP NOT TO EXCEED 5% AND BRANCH CIRCUIT VOLTAGE DROP

CONTRACTOR SHALL VERIFY ALL FINAL FEEDER LENGTHS AND INCREASE WIRE SIZES AS REQUIRED TO MEET NEC MAXIMUM VOLTAGE DROP REQUIREMENTS.

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.

COMMUNICATIONS, ETC) SHALL BE INSTALLED IN CONDUIT. 23) REFER TO RESPONSIBILITY CHART ON SHEET E603 FOR INFORMATION REGARDING

22) ALL ELECTRICAL SYSTEMS (POWER, LIGHTING, GROUNDING, SECURITY,

NN NN NN

CURTIS L

BRUNGARD

-12-2025

NUMBER

PE-2003016693

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net

THE CONTRACT DRAWINGS FOR DIVISION 26 WORK ARE IN PART SCHEMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE THE GENERAL LAYOUT, DESIGN AND ARRANGEMENT. THE CONTRACTOR SHALL FOLLOW THESE DRAWINGS IN THE LAYOUT OF THEIR WORK AND SHALL CONSULT GENERAL INTENT CONSTRUCTION DRAWINGS, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS AND ALL OTHER DRAWINGS FOR THIS PROJECT TO DETERMINE ALL CONDITIONS AFFECTING THE DIVISION 26 WORK.

WHERE SPECIFIC DETAILS AND DIMENSIONS FOR DIVISION 26 WORK ARE NOT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL TAKE MEASUREMENTS AND MAKE LAYOUTS AS REQUIRED FOR THE PROPER INSTALLATION OF THE WORK AND COORDINATION WITH ALL OTHER WORK ON THE PROJECT. IN CASE OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE SPECIFICATIONS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

260000.02 - WORK INCLUDED

THIS WORK SHALL INCLUDE ALL PLANT, LABOR, MATERIAL AND EQUIPMENT AS REQUIRED TO FURNISH AND INSTALL DIVISION 26 WORK INCLUDING DEMOLITION AS SHOWN ON THE DRAWINGS AND AS HEREINAFTER SPECIFIED. FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT, DEVICES AND ACCESSORIES NOT SPECIFICALLY CALLED FOR, BUT THAT ARE NECESSARY TO PROVIDE THE REQUIREMENTS IN OPERATION AND FUNCTION THAT IS ESTABLISHED BY THE DESIGN AND BY THE EQUIPMENT SPECIFIED.

WORK TO INCLUDE THE PROCUREMENT OF AND PAYMENT OF ALL PERMITS AND LICENSES REQUIRED FOR THE PERFORMANCE OF THE WORK. WORK TO INCLUDE ALL FEES AND DIRECT EXPENSES INVOLVED IN ANY INSPECTIONS REQUIRED FOR THE PROJECT. ALL SCAFFOLDS, STAGING, RUNWAYS AND EQUIPMENT REQUIRED FOR THE PERFORMANCE OF THE WORK. THE REMOVAL FROM THE PREMISES, AS IT ACCUMULATES, OF ALL DIRT AND REFUSE RESULTING IN THE PERFORMANCE OF THE WORK.

260000.03 - PROTECTION AND DUST CONTROL

THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO PREVENT DAMAGE TO ADJACENT AREAS, EQUIPMENT, OR FURNISHINGS; TO PREVENT ACCIDENTAL INJURY TO THE BUILDING OCCUPANTS AND THE PUBLIC; TO PREVENT THE SPREADING OF DUST, DIRT, DEBRIS, AND MOISTURE FROM GETTING ON OR IN THE BUILDING OCCUPANTS FURNISHINGS OR EQUIPMENT. WORK SHALL BE COORDINATED WITH THE OWNER ON A DAILY BASIS TO MINIMIZE THE SPREADING OF DUST AND DEBRIS INTO THE ADJACENT SPACES. CONTRACTOR SHALL COMPLY WITH ALL OWNER'S REQUIREMENTS.

260000.04 - EXISTING CONDITIONS

THE CONTRACTOR SHALL INSPECT THE SITE AS REQUIRED FOR KNOWLEDGE OF EXISTING CONDITIONS AND FAILURE TO OBTAIN SUCH KNOWLEDGE SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO MEET THE EXISTING CONDITIONS IN PERFORMING THE WORK UNDER THE CONTRACT.

260000.05 - MATERIAL AND MANUFACTURE

ALL MATERIAL AND EQUIPMENT SHALL BE NEW EXCEPT AS STATED OTHERWISE; SHALL BE OF THE BEST QUALITY AND DESIGN; SHALL BE FREE FROM DEFECTS AND IMPERFECTIONS AND SHALL HAVE MARKINGS OR A NAMEPLATE IDENTIFYING THE MANUFACTURER AND PROVIDING SUFFICIENT REFERENCE TO ESTABLISH QUALITY, SIZE AND CAPACITY.

ALL PRODUCTS PROPOSED FOR USE, INCLUDING THOSE SPECIFIED BY REQUIRED ATTRIBUTES AND PERFORMANCE, SHALL REQUIRE PRE-APPROVAL BY THE ENGINEER BEFORE BEING INCORPORATED INTO THE WORK.

WHERE THE PHRASE "OR EQUAL" OR "APPROVED EQUAL" OCCURS IN THE CONTRACT DOCUMENTS, DO NOT ASSUME THAT MATERIALS, EQUIPMENT OR METHODS WILL BE APPROVED AS EQUAL UNLESS THE ITEM HAS BEEN SPECIFICALLY PRE-APPROVED FOR THIS WORK BY THE ENGINEER.

ALL DIVISION 26 WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE AND GOVERNING SAFETY REGULATIONS OF THE OCCUPATIONAL AND SAFETY HEALTH ACT.

260000.08 - CODES, ORDINANCES, REGULATIONS AND U.L. APPROVAL

ALL DIVISION 26 WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS INCLUDING THE CURRENT RULES AND REGULATIONS OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION, OSHA AND ALL STATE AND LOCAL LAWS, CODES AND ORDINANCES.

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

260000.09 - OPENINGS IN FIRE RATED ASSEMBLIES

WHERE OPENINGS ARE MADE, OR LEFT DUE TO CONSTRUCTION THROUGH FIRE RATED ASSEMBLIES FOR CONDUIT OR NIPPLES, FOR SLEEVES CONTAINING CABLE OR WIRE, AND OPEN CONDUITS THROUGH FIRE RATED ASSEMBLIES THE AREA AROUND THE OPENINGS, SLEEVES AND CONDUITS SHALL BE FILLED WITH FIRE RESISTANT FOAM SEALANT AS APPROVED BY THE AUTHORITY HAVING JURISDICTION

260000.10 - PENETRATIONS

ALL OPENINGS IN THE VAULT COVERS FOR ELECTRICAL CONDUITS SHALL BE MADE WEATHER AND WATER TIGHT PER

260000.11 - EXCAVATION AND BACK FILLING

NO TRENCHING SHALL BE COMPLETED WITHOUT FIRST CALLING AN UNDERGROUND LOCATING COMPANY. CONTRACTOR SHALL MAKE ALL EFFORTS TO AVOID EXISTING UNDERGROUND UTILITIES.

PERFORM ALL EXCAVATING AND BACK FILLING FOR THE CONSTRUCTION AND INSTALLATION OF THE WORK INCLUDED UNDER THIS DIVISION. LINES SHALL BE USED TO LAYOUT THE TRENCHES FOR ALL UNDERGROUND WORK. TRENCHES CLOSE TO WALLS, FOUNDATIONS, AND COLUMNS SHALL NOT BE EXCAVATED WITHOUT PRIOR CONSULTATION WITH THE

ALL EXCAVATIONS SHALL BE PROPERLY PROTECTED BY THE NECESSARY BRACING AND TIMBERS TO PREVENT ANY CAVE-INS OR INJURY TO ADJACENT IMPROVEMENTS.

CUT AND REPLACE ALL EXISTING WALKS, ROADS, STREET PAVEMENT, CURBS, STEPS, RETAINING WALLS AND MISCELLANEOUS WORK REQUIRED FOR INSTALLATION OR WORK UNDER THIS DIVISION.

THE BACK FILLING OF TRENCHES SHALL BE CARRIED OUT AS RAPIDLY AS THE FINISHED WORK IS APPROVED AND WILL PERMIT. THE TRENCH SHALL BE BACK FILLED IN LAYERS NOT TO EXCEED 6" WITH GOOD SELECTED DRY EARTH THOROUGHLY TAMPED WITH A PNEUMATIC TAMPER. AFTER BACK FILLING, ALL SURPLUS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.

WHERE TRENCHING OCCURS, THE CONTRACTOR SHALL BACKFILL AND RESURFACE THE AREA TO PREVIOUS CONDITION OR TO MATCH ADJACENT SURFACES. BACKFILLING SHALL BE COMPLETED BY COMPACTING LAYERS. FLOWABLE BACKFILL MAY BE USED AS NEEDED. COORDINATE THE USE OF FLOWABLE FILL WITH THE OWNER.

260000.12 - SHOP DRAWINGS AND SAMPLES

SUBMIT FOR APPROVAL ONE (1) SET OF ELECTRONIC MANUFACTURER SHOP DRAWINGS OF ALL PRODUCTS AND EQUIPMENT. ALL ITEMS REQUIRING COORDINATION BETWEEN CONTRACTORS SHALL ALSO REQUIRE SHOP DRAWINGS SUBMITTED FOR APPROVAL. ACCEPTANCE OF THE WORK SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA AND SAMPLES. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S DETAIL DRAWINGS OF EQUIPMENT AND MATERIAL AND CONTRACTOR'S SHOP DETAILS FOR INSTALLATION OF MATERIAL AND EQUIPMENT. DESCRIPTIVE LITERATURE SHALL INCLUDE CATALOG DATA COVERING DESIGN, SIZE AND CAPACITY OF MATERIAL AND EQUIPMENT. SUBMITTALS SHALL INCLUDE THE MANUFACTURER'S MODEL NUMBER, CAPACITY, PERFORMANCE DATA, ELECTRICAL CHARACTERISTICS, ETC., ALL CLEARLY SHOWN AND MARKED FOR THE SPECIFIC ITEM OF EQUIPMENT BEING FURNISHED ON THIS PROJECT. NON-APPROVED EQUIPMENT USED ON THE PROJECT, IS AT CONTRACTOR'S RISK.

260000.13 - ADJUSTING ALIGNING AND TESTING

ALL ELECTRICAL EQUIPMENT ON THIS PROJECT FURNISHED UNDER THIS DIVISION AND ALL ELECTRICAL EQUIPMENT

FURNISHED BY OTHERS SHALL BE ADJUSTED, ALIGNED AND TESTED FOR PROPER OPERATION BY THE ELECTRICAL CONTRACTOR. COMPLETE WIRING CIRCUITS SHALL BE FREE FROM SHORT CIRCUITS. ALL MOTORS SHALL BE VERIFIED FOR PROPER PHASE ROTATION.

THE CONTRACTOR SHALL KEEP DAY-TO-DAY RECORDS OF ALL CHANGES OR VARIATIONS MADE FROM THE CONTRACT DOCUMENTS AND AT THE END OF THE PROJECT SHALL PROVIDE THE OWNER/ENGINEER WITH REPRODUCIBLE SETS AS REQUESTED. CONTRACTOR SHALL BE ABLE TO PRODUCE RECORD DRAWINGS FOR REVIEW AT EACH MONTHLY PROGRESS MEETING.

260000.15 - OPERATION AND MAINTENANCE INSTRUCTIONS

SUBMIT TO THE OWNER/ENGINEER ONE (1) ELECTRONIC COPY OF EACH MATERIAL FOR MAINTENANCE AND OPERATION INSTRUCTION MANUALS, APPROPRIATELY COMBINED INTO MANUAL FORM INCLUDING APPROVED COPIES OF THE FOLLOWING, REVISED IF NECESSARY TO SHOW SYSTEM AND EQUIPMENT AS ACTUALLY INSTALLED: MANUFACTURER'S CATALOG SHEETS, WIRING DIAGRAMS, MAINTENANCE INSTRUCTIONS, OPERATING INSTRUCTIONS, PARTS LIST. CONTRACTOR SHALL ALSO PROVIDE ADEQUATE VERBAL INSTRUCTIONS OF SYSTEM OPERATION TO OWNER'S REPRESENTATIVE AT THE TERMINATION OF THE WORK. INCLUDE COVER SHEET, CONTRACTOR'S INFO, WARRANTY INFO, INDEX, AND TABS INDICATING EACH SECTION OF THE MANUAL. PROVIDE MANUAL TO ENGINEER FOR APPROVAL AND COMMENTS. REVISE PER ENGINEER'S COMMENTS AND THEN SUBMIT FINAL COPY TO THE ENGINEER AND OWNER. MANUAL SHOULD INCLUDE THE ENGINEER'S REVISED DRAWINGS, BASED ON THE CONTRACTOR'S RECORD DRAWINGS NOTED ABOVE.

260000.16 - STARTUP OF SYSTEMS

PRIOR TO STARTUP OF THE ELECTRICAL SYSTEMS, THE CONTRACTOR SHALL CHECK ALL COMPONENTS AND DEVICES LUBRICATE ITEMS ACCORDINGLY, AND TIGHTEN ALL SCREWED AND BOLTED CONNECTIONS. ADJUST TAPS ON EACH TRANSFORMER FOR RATED SECONDARY VOLTAGE. CHECK SERVICE ENTRANCE VOLTAGE, GROUNDING CONDITIONS, GROUNDING RESISTANCE AND PROPER PHASING. BALANCE SINGLE PHASE LOADS AT EACH PANELBOARD, REDISTRIBUTING BRANCH CIRCUIT CONNECTIONS UNTIL BALANCE IS ACHIEVED. AFTER ALL SYSTEMS HAVE BEEN INSPECTED AND ADJUSTED, CONFIRM ALL OPERATING FEATURES REQUIRED BY THE DRAWINGS AND SPECIFICATIONS AND MAKE FINAL ADJUSTMENTS AS NECESSARY.

GUARANTEE AGAINST WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL PAYMENT. GUARANTEE SHALL INCLUDE MATERIAL TO BE REPLACED AND ALL LABOR REQUIRED.

CONTRACTOR SHALL STORE ELECTRICAL CONSTRUCTION EQUIPMENT IN A DRY CONDITIONED LOCATION UNTIL

NO EQUIPMENT SHALL BE STORED OUTDOORS. NO CONDUIT, WIRING, OR EQUIPMENT SHALL BE INSTALLED WITH DIRT, MUD OR DEBRIS. DIRTY CONDUITS ON THEIR EXTERIOR WILL ASSUME TO BE DIRTY ON THE INSIDE AND WILL BE REQUIRED TO BE SWABBED, PRIOR TO PULLING CONDUCTORS.

260519 - LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

260519.01 - DESCRIPTION OF WORK

FURNISH AND INSTALL 600 VOLT CONDUCTORS AND ASSOCIATED SPLICES, CONNECTORS AND TERMINATION'S FOR LIGHTING, POWER, MECHANICAL AND AUXILIARY SYSTEMS AS SHOWN ON THE CONTRACT DOCUMENTS.

260519.02 - MATERIAL

CIRCUITS OR WIRING WITHIN AN ENCLOSURE: COPPER THHN-2 (90° C DRY) WITH UL LABEL.

BRANCH CIRCUITS FOR OUTSIDE EQUIPMENT (UNDER 100AMPS): COPPER. NEC TYPE THWN-2 (90° C DRY/75° C WET) WITH UL LABEL. ALL CONDUCTORS TO BE IN CONDUIT.

FEEDER CIRCUITS OUTSIDE FOR OUTSIDE EQUIPMENT (OVER 100AMPS): COPPER. NEC TYPE XHHW-2 (90° C DRY/WET) WITH UL LABEL. ALL CONDUCTORS TO BE IN CONDUIT.

UNDERGROUND SERVICE CONDUCTORS (OVER 100 AMPS): COPPER. NEC XHHW-2 (90° C DRY/WET) WITH UL LABEL. ALL

FOR ALL CONDUCTORS, SOLID FOR #10 AND SMALLER, STRANDED FOR #8 AND LARGER. SOFT ANNEALED COPPER CONDUCTORS WITH 600 VOLT INSULATION JACKET.

WIRE SMALLER THAN #12 GAUGE SHALL NOT BE USED UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS OR IN THESE

SPECIFICATIONS.

WIRE INSULATION SHALL BE COLOR COATED AS FOLLOWS OR PER LOCAL ORDINANCES:

120/240V - A-BLACK, B-RED, N-WHITE, G-GREEN 120/208V - A-BLACK, B-RED, C-BLUE, N-WHITE, G-GREEN

277/480V - A-BROWN, B-ORANGE, C-YELLOW, N-GRAY, G-GREEN

CONDUCTORS SHALL BE CONTINUOUSLY COLORED FROM END TO END. TAPED ENDS ARE NOT ACCEPTABLE.

IF NO WIRE SIZE IS INDICATED ON THE DRAWINGS FOR A BRANCH CIRCUIT, PROVIDE MINIMUM #12 AWG WIRE AND A 20A CIRCUIT BREAKER, WHERE CONDUCTOR REQUIRES MORE THAN A 20 AMP CIRCUIT, CONTRACTOR SHALL COORDINATE WITH ENGINEER OR PROPERLY SIZE THE CONDUCTOR BASED ON NEC REQUIREMENTS. CONTROL WIRING SHALL HAVE 600V INSULATION AND BE OF THE PROPER TYPE, SIZE AND NUMBER REQUIRED TO ACCOMPLISH SPECIFIED FUNCTION.

ALL CONDUCTORS SHALL BE UPSIZED TO ALLOW FOR VOLTAGE DROP. VOLTAGE DROP SHALL NOT EXCEED NEC REQUIREMENTS.

260519.03 - INSTALLATION

ALL WIRING SHALL BE INSTALLED IN APPROVED RACEWAYS OR ENCLOSURES. WIRE IN CONDUIT SHALL BE RAN CONTINUOUS WITHOUT SPLICES OR TAPS. ALL SPLICES OR TAPS SHALL OCCUR IN APPROVED BOXES AND ENCLOSURES AND SHALL BE KEPT TO A MINIMUM. WIRE SPLICES SHALL BE MADE IN TERMINAL BLOCK ENCLOSURES. ALL SPLICES. TAPS AND JOINTS SHALL BE INSULATED PER THE NATIONAL ELECTRICAL CODE. ALL MATERIALS USED TO TERMINATE, SPLICE OR TAP CONDUCTORS SHALL BE DESIGNED FOR, PROPER SIZE FOR, AND UL LISTED FOR THE SPECIFIC APPLICATION AND CONDUCTORS INVOLVED, AND SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, USING THE MANUFACTURER'S RECOMMENDED TOOLS.

WHERE WIRE IS TO BE INSTALLED, BUT THE CONNECTION IS INDICATED "FUTURE" OR "BY OTHERS", THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 6 FEET OF "PIGTAIL" AT THE BOX. TAPE ALL CONDUCTOR ENDS AND COVER THE BOX.

ALL BRANCH CIRCUITS SHALL HAVE EQUIPMENT GROUNDING CONDUCTORS AND SHALL BE SIZED PER NEC TABLE 250.122.

ALL NEW FEEDERS AS PART OF THIS PROJECT, SHALL BE RESISTANCE TESTED PRIOR TO ENERGIZING. PROVIDE RESISTANCE TESTING ON ALL CONDUCTORS 60AMPS OR MORE. TEST SHALL BE COMPLETED PER ASTM D257 FOR FIELD WIRING. SUBMIT 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 CONDUCTOR TESTING SHALL BE COMPLETED BY THE CONTRACTOR AND INCLUDED IN THE CONTRACTOR'S COST. THE CONTRACTOR'S EMPLOYEE RESPONSIBLE FOR TESTING CONDUCTORS SHALL HAVE A MINIMUM 5 YEARS EXPERIENCE TESTING CONDUCTORS PER ASTM STANDARDS. SUBMIT CONDUCTOR TESTING REPORTS TO THE ENGINEER PRIOR TO ENERGIZING. EACH CONDUCTOR SHALL BE TESTED PRIOR TO TERMINATING ON EQUIPMENT OR ON A TERMINAL.

260526 - GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

260526.01 - DESCRIPTION OF WORK

THIS SECTION INCLUDES GROUNDING OF ELECTRICAL SYSTEMS AND EQUIPMENT AND BASIC REQUIREMENTS FOR GROUNDING FOR PROTECTION OF LIFE, EQUIPMENT, CIRCUITS, AND SYSTEMS.

260526.02 - STANDARDS

NFPA 70, ARTICLE 250 - GROUNDING IEEE STANDARD 142 (GREEN BOOK)

260526.03 - ELECTRICAL SYSTEM AND EQUIPMENT GROUNDING

GROUND CONDUCTORS SHALL BE 98% CONDUCTIVITY COPPER. OTHER CONDUCTOR REQUIREMENTS SHALL BE THE SAME AS DESCRIBED FOR LOW VOLTAGE, 600 VOLT, CONDUCTORS AND SPECIFIED HEREIN.

GROUND RODS: COPPER-CLAD 3/4 INCH BY 10 FEET.

ALL PRODUCTS SHALL BE UL LISTED AND LABELED.

ALL CONDUIT SYSTEMS, BOXES, ELECTRICAL EQUIPMENT, ENCLOSURES, MOTOR FRAMES, ETC., SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC, LOCAL AUTHORITIES AND AS SPECIFIED.

A SEPARATE EQUIPMENT GROUND CONDUCTOR SHALL BE INSTALLED INSIDE OF EACH CONDUIT RUN FOR GROUNDING ALL CIRCUITS ABOVE 48 VOLTS. THE METALLIC CONDUIT SHALL NOT BE USED AS A GROUNDING CONDUCTOR.

GROUND WIRE SIZE THRU #10 SHALL BE SOLID COPPER, GREEN TYPE THHN, THWN-2, OR XHHW-2 INSULATION. GROUND WIRES SIZED #8 AND LARGER SHALL BE STRANDED COPPER, TYPE THHN OR THWN-2 WITH GREEN INSULATION OR GREEN

GROUNDING CONDUCTORS IN CONTACT WITH EARTH SHALL BE SOLID BARE TINNED COPPER. UNDERGROUND GROUNDING CONDUCTORS TO BE BURIED 36 INCHES BELOW GRADE.

NO ELECTRICAL SYSTEM NEUTRAL SHALL BE USED AS AN EQUIPMENT GROUND.

GROUND WIRES SHALL BE RAN CONTINUOUS FROM TERMINATION POINT TO TERMINATION POINT WITHOUT SPLICES. CONSULT ENGINEER WHERE NOT POSSIBLE, PRIOR TO INSTALLATION.

ALL OUTLET BOXES AND JUNCTION BOXES, DISCONNECTS, ETC., SHALL BE GROUNDED. THE GROUND WIRE TERMINAL OF EACH DEVICE SHALL BE CONNECTED TO THE GROUND CONDUCTOR.

ALL METAL ENCLOSURES FOR ELECTRICAL DISTRIBUTION AND CONTROLS, ALL METAL EQUIPMENT SUPPORTS FOR ELECTRICAL CONTROLS AND ALL SIMILAR ITEMS SHALL BE CONNECTED TO THE GROUND SYSTEM.

FLEXIBLE CONDUIT SHALL BE BONDED AND GROUNDED IN ACCORDANCE WITH THE NEC.

USING CONDUIT AS A MEANS FOR GROUNDING IS NOT ACCEPTABLE.

ALL GROUNDING ELECTRODE CONDUCTORS ABOVE GROUND SHALL BE INSTALLED IN CONDUIT AND NOT RUN BARE.

ALL CONDUITS OVER 60AMPS, ALL CONDUITS WITH A GROUNDING ELECTRODE CONDUCTOR, AND ALL CODE REQUIRED CONDUITS SHALL BE PROVIDED WITH A GROUND BUSHING. CONTRACTOR WILL BE REQUIRED TO INSTALL BUSHINGS ON ALL MISSING CONDUITS FOUND DURING THE PUNCH LIST. WHERE CONDUCTORS ARE LANDED AND TERMINATED, WILL REQUIRE THE CONTRACTOR TO DISCONNECT, AND PROPERLY INSTALL BUSHINGS AT THE CONTRACTOR'S COST.

260533 - RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS

INSTALLATION OF RACEWAY SYSTEMS FOR ALL WORK IN DIVISION 26 INCLUDING REQUIRED FITTINGS AND SUPPORTS

ALL CONDUCTORS SHALL BE INSTALLED IN RIGID GALVANIZED CONDUIT UNLESS NOTED OTHERWISE.

260533.02 - PRODUCTS

ALL CONDUIT SHALL BE RIGID GALVANIZED STEEL CONDUIT, CONDUIT OUTDOORS OR IN WET OR DAMP LOCATIONS, OR IN NEC CLASSIFIED HAZARDOUS LOCATIONS, CONDUIT IN EARTH OR BELOW GRADE, AND EXCEPT AS OTHERWISE NOTED ON THE DRAWINGS OR SPECIFIED OTHERWISE.

COAT FIELD-CUT THREADS ON PVC-COATED RACEWAY WITH A CORROSION-PREVENTING CONDUCTIVE COMPOUND PRIOR TO ASSEMBLY.

ALL ABOVE GRADE FITTINGS TO BE THREADED TYPE UNLESS OTHERWISE NOTED. ALL THREADS SHALL BE SEALED AND ALL CUT CONDUIT ENDS SHALL BE TREATED/PAINTED. ANY CONDUIT THREADS OR ENDS SHOWING SIGNS OF RUST AT TIME OF PUNCH LIST WILL HAVE TO BE REPLACED.

ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC. WHERE CONDUITS TURN UP ABOVE GRADE, THE 90 DEGREE ELBOW AND ALL CONDUIT EXTENDING ABOVE GRADE SHALL BE SCHEDULE 80 PVC.

ALL UNDERGROUND CONDUITS SHALL BE PROVIDED WITH WARNING TAPE INSTALLED 12" ABOVE THE CONDUIT.

FINAL CONNECTIONS TO MOTORS, TRANSFORMERS, AND TO ANY PIECE OF EQUIPMENT THAT WILL TRANSMIT MOTION, NOISE OR VIBRATION, SHALL BE WATER-TIGHT FLEXIBLE CONDUIT.

260533.03 - INSTALLATION

CONDUITS SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING/SITE LINES AND SHALL BE RUN AGAINST THE STRUCTURE IN A NEAT WORKMANLIKE MANNER.

CONDUIT SHALL BE INSTALLED TO CLEAR ALL OPENINGS, DEPRESSIONS, PIPES, DUCTS, REINFORCING STEEL, ETC. CONDUIT SHALL BE RAN CONTINUOUS BETWEEN CONNECTIONS TO OUTLET BOXES AND ENCLOSURES WITH MINIMUM POSSIBLE NUMBER OF BENDS. RADIUS OF BENDS SHALL BE AS LONG AS POSSIBLE AND NEVER SHORTER THAN THE CORRESPONDING TRADE ELBOW. LONG RADIUS ELBOWS SHALL BE USED WHERE NECESSARY. CONDUITS SHALL BE SECURELY FASTENED IN PLACE WITH APPROVED STRAPS, HANGERS AND STEEL SUPPORTS AS REQUIRED. SINGLE CONDUITS FOR FEEDERS SHALL BE HUNG WITH MALLEABLE SPLIT RING HANGERS WITH ROD AND TURNBUCKLE SUSPENSION FROM INSERTS SPACED NOT OVER 10 FEET APART FROM CONSTRUCTION ABOVE. GROUPS OF HORIZONTAL FEEDER CONDUITS SHALL BE CLAMPED TO UNISTRUT STEEL CHANNELS AND SUSPENDED FROM INSERTS NOT SPACED OVER 10 FEET APART IN CONSTRUCTION ABOVE. HORIZONTAL FEEDER CONDUITS SHALL BE CLAMPED TO STRUCTURAL STEEL MEMBERS ATTACHED TO THE STRUCTURE. CABLE CLAMPS SHALL BE INSTALLED FOR SUPPORT OF VERTICAL FEEDERS WHERE REQUIRED. CONDUIT SUPPORTS SHALL BE ADDED WITHIN 12" AT ONE END OF ALL BENDS.

CONDUIT ENDS SHALL BE REAMED BEFORE INSTALLATION AND ALL CONDUIT SHALL BE THOROUGHLY CLEANED BEFORE INSTALLATION AND KEPT CLEAN AFTER INSTALLATION. PLUG CONDUIT AND BOXES AS REQUIRED DURING CONSTRUCTION TO KEEP CONDUIT CLEAN. TAPING THE ENDS OF THE CONDUITS IS NOT ACCEPTABLE.

CONDUIT SHALL BE OF AMPLE SIZE TO PULL CONDUCTORS AND NOT SMALLER THAN THE CODE REQUIRED. MINIMUM SIZE CONDUIT SHALL BE 3/4" FOR THIS PROJECT.

INSTALL A PULL WIRE IN EACH EMPTY CONDUIT WHICH IS LEFT BY THE CONTRACTOR.

ALL CONDUIT STRAPS SHALL BE TWO HOLE STRAPS. SINGLE HOLE STRAPS ARE NOT ACCEPTABLE.

ALL CONDUIT HANGERS, STRAPS, UNISTRUT, CLAMPS AND HARDWARE SHALL BE RIGID GALVANIZED STEEL WHERE INSTALLED ABOVE GRADE.

260533.04 - DESCRIPTION OF WORK

FURNISH AND INSTALL OUTLET BOXES, FLOOR BOXES, PULL BOXES, AND JUNCTION BOXES AS SHOWN ON THE CONTRACT DOCUMENTS OR AS REQUIRED.

260533.05 - OUTLET/JUNCTION BOXES

PROVIDE WIRING DEVICES, FIXTURES AND SPECIAL SYSTEM DEVICES WITH OUTLET BOX. USE ALUMINUM BOXES. ALL BOXES SHALL HAVE MATCHING COVER PLATES.

USE RIGID GALVANIZED STEEL BOXES AND COVERS OF FORM AND DIMENSION ADAPTED TO ITS SPECIFIC USE AND LOCATION, KIND OF FIXTURE OR DEVICE TO BE USED AND NUMBER, SIZE AND ARRANGEMENT OF CONNECTION CONDUITS AND NUMBER OF WIRES IN OUTLET, ALL IN ACCORDANCE WITH THE NEC. SET BOXES FLUSH WHERE POSSIBLE, OTHERWISE SURFACE MOUNT. SURFACE MOUNTING SHALL BE DONE IN A NEAT, ORDERLY FASHION. INSTALL PLUMB AND LEVEL. ACCURATELY SET AND RIGIDLY SECURE BOXES IN POSITION.

260533.06 - LARGE PULL BOXES

FURNISH PULL, TAP AND CABLE SUPPORT BOXES REQUIRED BY THE NEC FOR EXCESSIVE NUMBER OF 90 DEGREE CONDUIT BENDS, CONDUIT TAPS AND CABLE SUPPORTS.

BOX CONSTRUCTION PER NEC AND CONFORMING TO UL STANDARD #50.

BOXES LOCATED IN DAMP OR WET LOCATIONS SHALL BE PROVIDED WITH GASKETED DOORS AND CORNERS. PROVIDE RAIN DRIP SHIELDS. BOXES SHALL CARRY NEMA 3R OR 4X AS SHOWN ON THE PLANS. WHERE NOT INDICATED, CONTRACTOR SHALL PROVIDE NEMA 4X STAINLESS STEEL.

260533.07 - CONDUIT BODIES

CONDUIT BODIES SHALL BE INSTALLED TO PROVIDE EASE OF CONDUCTORS AND TO PROVIDE NEAT APPEARANCE TO CONDUIT INSTALLATION, AND AS SHOWN ON THE DRAWINGS. CONDUIT BODIES SHALL BE CONSTRUCTED OF RIGID GALVANIZED STEEL. BODIES SHALL BE FINISHED WITH STANDARD DURABLE EXTERIOR COATINGS OF MANUFACTURER SPECIFIED. PROVIDE ROLLERS IN TYPE "C" AND TYPE "LB" BODIES, 1-1/4" SIZE AND LARGER. PROVIDE GASKETED PLATED STEEL OR MALLEABLE IRON COVERS.

<u>260553 - IDENTIFICATION FOR ELECTRICAL SYSTEMS</u>

260553.01 - DESCRIPTION OF WORK

PROVIDE AND INSTALL REQUIRED IDENTIFICATION FOR THE SYSTEMS AND EQUIPMENT SHOWN ON THE DRAWINGS AND/OR SPECIFIED.

CABLE/CONDUCTOR IDENTIFICATION BANDS: MANUFACTURERS STANDARD VINYL SELF-ADHESIVE SELF LAMINATING CABLE/CONDUCTOR MARKERS, WRAP AROUND TYPE; PRE-NUMBERED PLASTIC COATED LETTERING TO SHOW CIRCUIT IDENTIFICATION. HAND-WRITTEN LABELS OR IDENTIFICATIONS ARE NOT ACCEPTABLE.

SELF-ADHESIVE PLASTIC LABELS FOR CONDUITS: MANUFACTURERS STANDARD, SELF ADHESIVE, PRE-PRINTED, FLEXIBLE VINYL SIGNS FOR OPERATIONAL INSTRUCTIONS OR WARNINGS. LABEL SHALL BE WEATHER-PROOF AND UV RATED.

RED, BLACK AND WHITE GRAPHICS.

DANGER SIGNS: MANUFACTURERS STANDARD "DANGER" SIGNS, BAKED ENAMEL FINISH ON 20 GAUGE STEEL; STANDARD

EQUIPMENT LABELS: ALL EQUIPMENT LABELS SHALL BE PLASTIC ENGRAVED LABELS. LABELS SHALL BE MECHANICALLY

262416 - DISTRIBUTION PANELS, PANELBOARDS, AND DISCONNECT SWITCHES

262416.01 - SCOPE FURNISH AND INSTALL DISTRIBUTION PANELS, PANELBOARDS, AND DISCONNECT SWITCHES AS INDICATED HEREIN AND AS SHOWN ON THE DRAWINGS.

262416.02 - DISTRIBUTION PANELS, PANELBOARDS, AND DISCONNECT SWITCHES

DISTRIBUTION PANELS, PANELBOARDS, AND DISCONNECT SWITCHES SHALL BE 600 VOLT CLASS, THREE PHASE. 480Y/277V, 208Y/120V, OR SINGLE PHASE 120/240V AS SHOWN ON DRAWINGS, EQUIPMENT SHALL BE MANUFACTURED BY SCHNEIDER ELECTRIC, EATON, SIEMENS, OR GE/ABB. BASIS OF DESIGN: GE/ABB.

EQUIPMENT SHALL BE FRONT ACCESSIBLE, SELF-SUPPORTING, REMOVABLE COVERS, BORDERS BETWEEN SECTIONS, LIFTING HOOKS OR EYEBOLTS.

PROVIDE FULL COPPER BUSSING IN ALL EQUIPMENT. ALL BUSSING SHALL BE COPPER AND FULLY RATED.

EQUIPMENT SHALL BE CONSTRUCTED TO WITHSTAND THE AVAILABLE FAULT CURRENT AS SHOWN ON THE PLANS AND IN THE SCHEDULES.

PROVIDE SURGE PROTECTIVE DEVICES WHERE SHOWN. SURGE PROTECTIVE DEVICES SHALL BE INTEGRAL UNITS AND NOT EXTERNALLY MOUNTED. SURGE PROTECTIVE DEVICES SHALL BE RATED FOR MINIMUM 200KA.

PROVIDE NEMA 3R EQUIPMENT, UNLESS NOTED OTHERWISE.

ATTACHED. ADHESIVE LABELS ARE NOT ACCEPTABLE.

262416.03 - OVER-CURRENT DEVICES

OVER-CURRENT PROTECTIVE DEVICES SHALL BE FIXED WITH BOLTED CONNECTIONS. INCLUDE INTERCONNECTIONS, INSTRUMENTATION, AND CONTROL WIRING AS REQUIRED.

OVER-CURRENT BREAKERS SHALL BE SIZED AS SHOWN ON THE DRAWINGS. BREAKERS RATED LESS THAN 2000 AMPS SHALL BE MOLDED CASE CIRCUIT BREAKERS.

OVER-CURRENT DEVICES SHALL BE COORDINATED BETWEEN UPPER AND LOWER BRANCH EQUIPMENT. SERIES RATED EQUIPMENT IS NOT ACCEPTABLE.

FUSSES SHALL BE ABB, BUSSMANN, EATON, FERRAZ SHAWMUT, LITTLEFUSE, MERSEN OR EQUAL. CLASS J OR L FUSES

FUSES SHALL HAVE A SHORT CIRCUIT CURRENT RATING OF 200K AMPS.



NN NN NN



SPECIFIC

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

ANCHOR BOLTS.

- 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.

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

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

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

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.





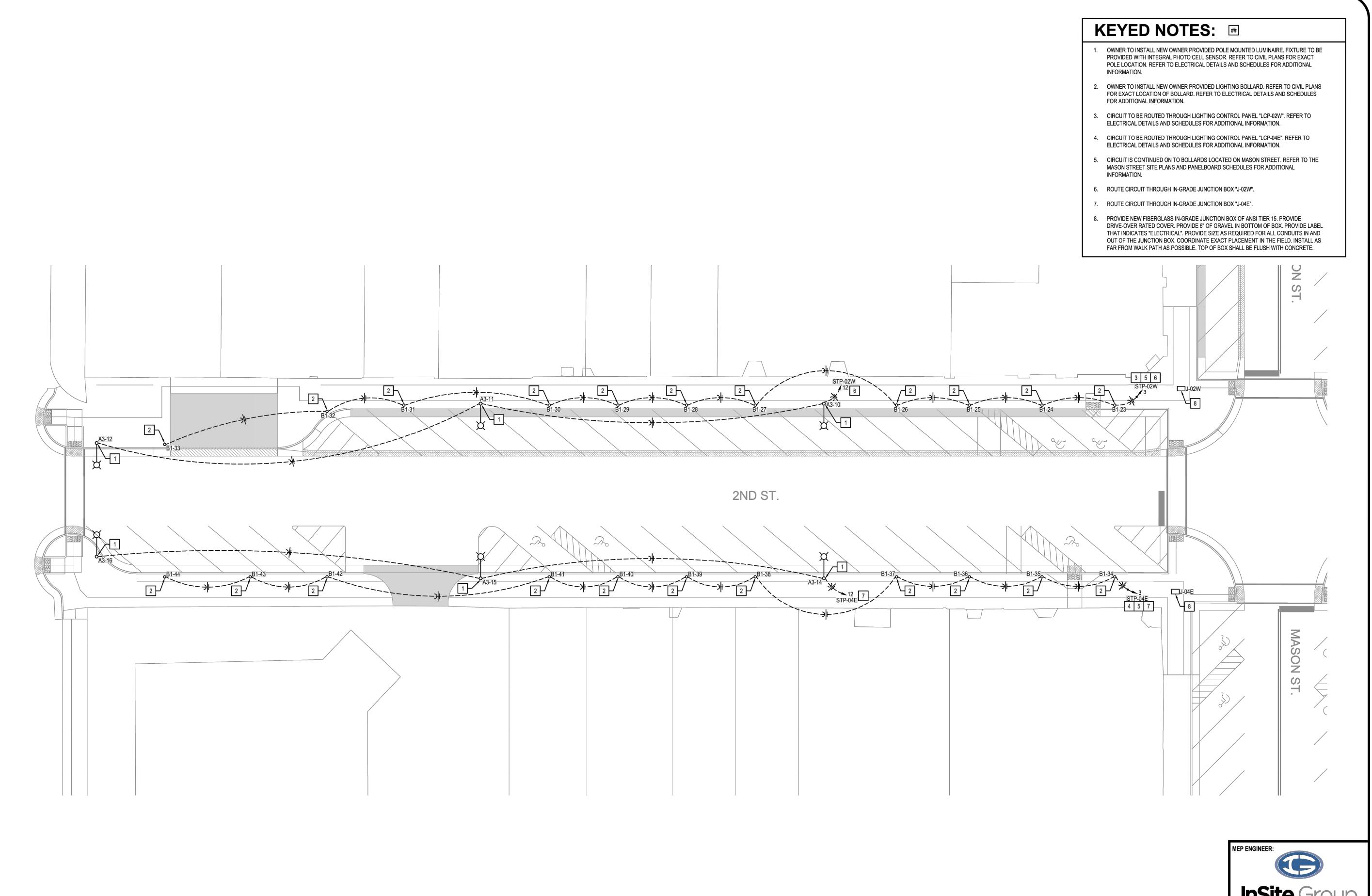
\		NO.					·	
	REVISIONS	DESCRIPTION						
		ВУ						
		DATE						
	DRAWIN	FIELD BY:	DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
	DRAWING INFO.		AJS	JGR	09/12/25		TAP-9901(440)	

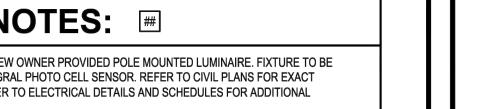
ELECTRICAL

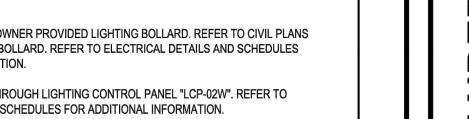
SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS 49N, R28W / SECTION 01, T48N, AFAYETTE COUNTY

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net ISG PROJECT NUMBER: 24-7733-0

MO COA 2002005563 - Curtis L. Brungardt, P.E. 200301669





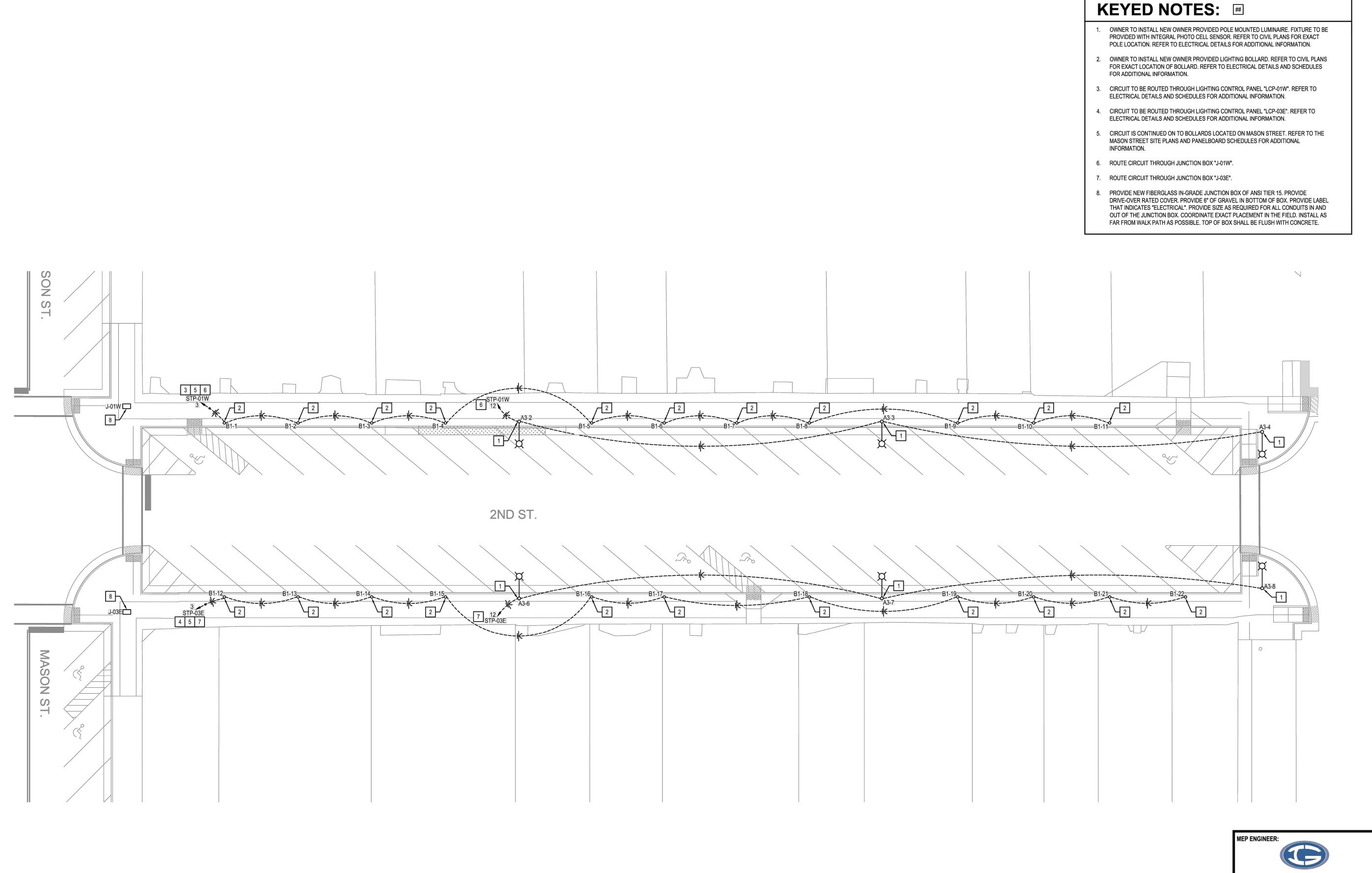


16	OF MISSO	<i>B</i>
*	CURTIS L. BRUNGARDT	12 N
W For	9-12-2025 NUMBER PE-2003016693	RER
Di	SSIONAL ENG	

	IG INFO.		SLA	JGR	09/12/25		TAP-9901(440)	TAP-9901(443)
	DRAWING INFO.	FIELD BY:	DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
		DATE						
		ВУ						
	REVISIONS	DESCRIPTION						COC ON CHARTENONS MOSESSAN THORSESSON
		NO.						

LIGHTING PLAN

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net





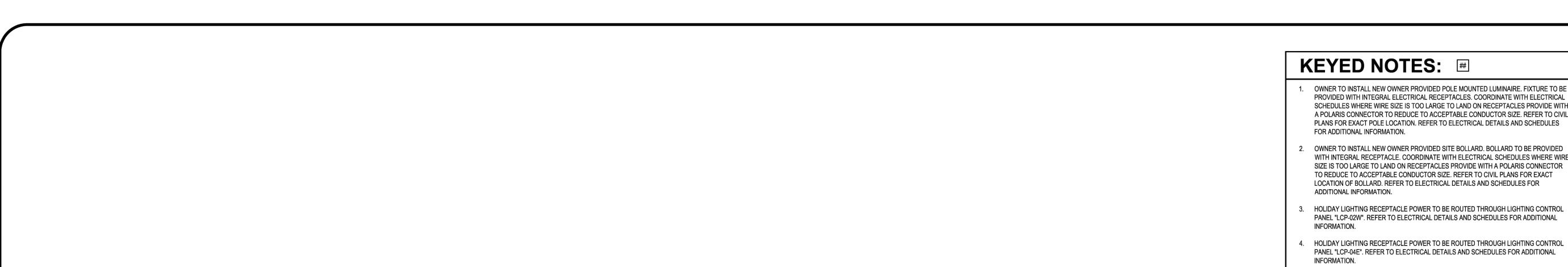


	DRAWING INFO.		SLA	JGR	09/12/25		TAP-9901(440)	TAP-9901(443)
	DRAWIN	FIELD BY:	DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
		DATE						
ı		ВУ						
	REVISIONS	DESCRIPTION						©COPYRIGHT ANDERSON ENGINEERING, INC. 2012
		NO.						

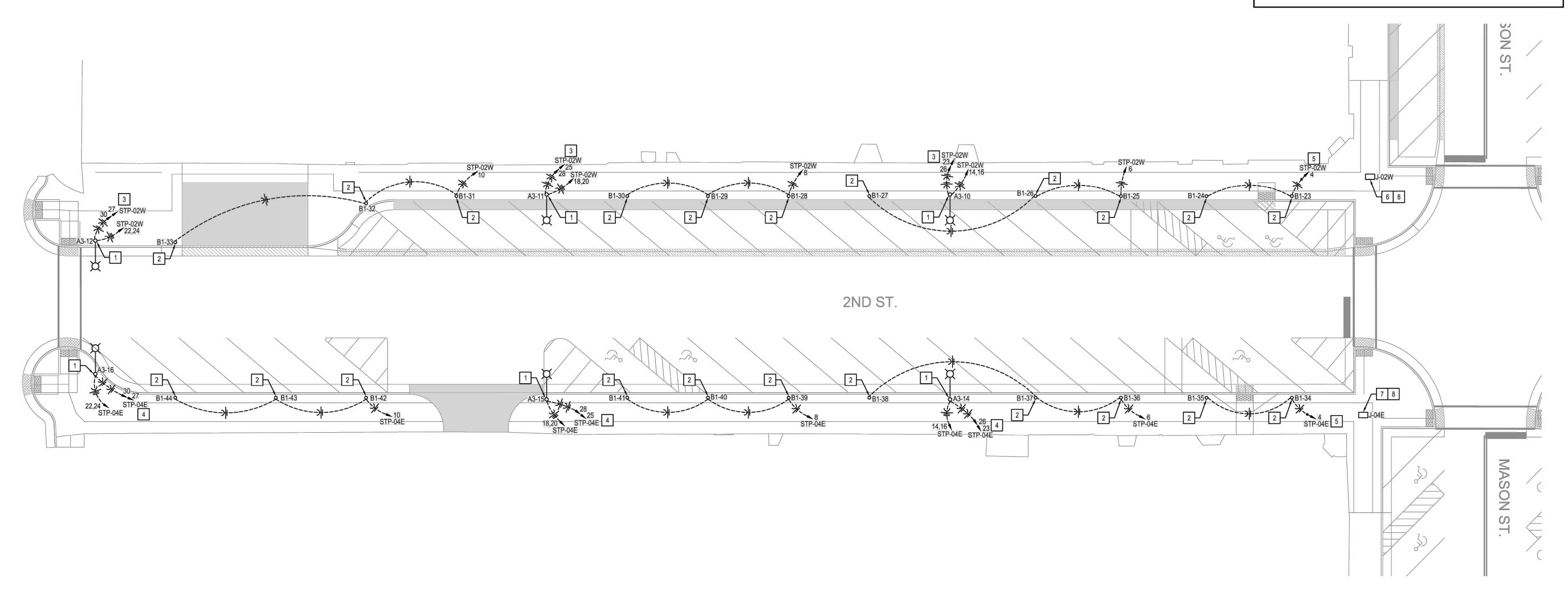
SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS

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

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net



- 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
- WITH INTEGRAL RECEPTACLE. 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 LOCATION OF BOLLARD. REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR
- 3. HOLIDAY LIGHTING RECEPTACLE POWER TO BE ROUTED THROUGH LIGHTING CONTROL PANEL "LCP-02W". REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL
- PANEL "LCP-04E". REFER TO ELECTRICAL DETAILS AND SCHEDULES FOR ADDITIONAL
- 5. CIRCUIT IS CONTINUED ON TO BOLLARDS LOCATED ON MASON STREET. REFER TO THE MASON STREET SITE PLANS AND PANELBOARD SCHEDULES FOR ADDITIONAL
- 6. ROUTE ALL CIRCUITS FROM PANELBOARD "STP-02W" THOUGH IN-GRADE JUNCTION BOX
- 7. ROUTE ALL CIRCUITS FROM PANELBOARD "STP-04E" THOUGH IN-GRADE JUNCTION BOX
- 8. 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.

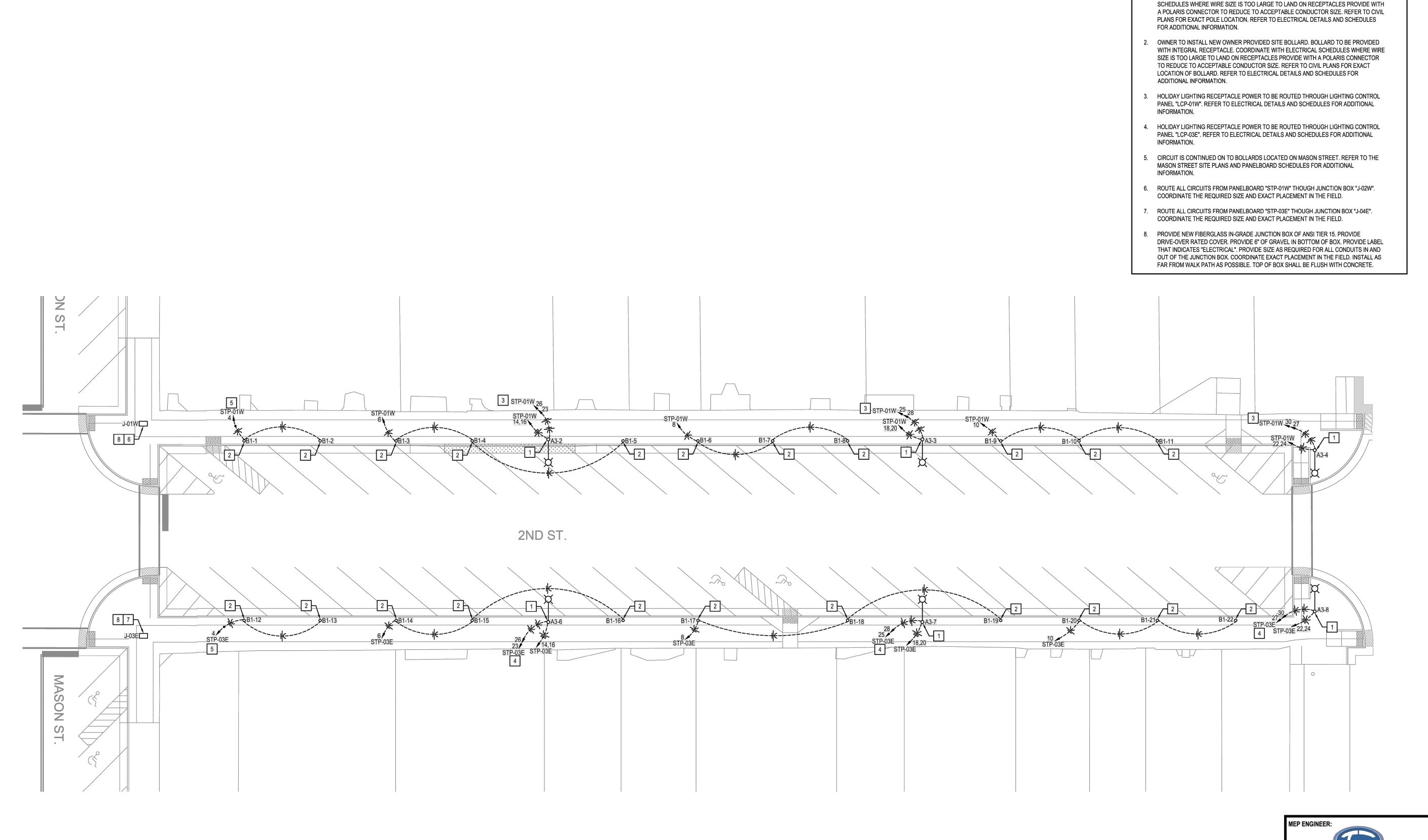






	IG INFO.		SſY	ADL	09/12/25		TAP-9901(440)	TAP-9901(443)
	DRAWING INFO.	FIELD BY:	DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
		DATE						
		ВУ						
	REVISIONS	DESCRIPTION						COC ON CHARTEDON ENCINETIONS
		NO						
	_							

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



KEYED NOTES: #

OWNER TO INSTALL NEW OWNER PROVIDED POLE MOUNTED LUMINAIRE. FIXTURE TO BE PROVIDED WITH INTEGRAL ELECTRICAL RECEPTACLES. COORDINATE WITH ELECTRICAL



DRAWING INFO.		AJS	JGR	09/12/25		TAP-9901(440)	
DRAWIN	FIELD BY:	DRAWN BY:	CHECK BY:	DATE	FIELD BOOK:	JOB NUMBER:	
	DATE						
Ш	ВУ						
REVISIONS	DESCRIPTION						
	NO.						

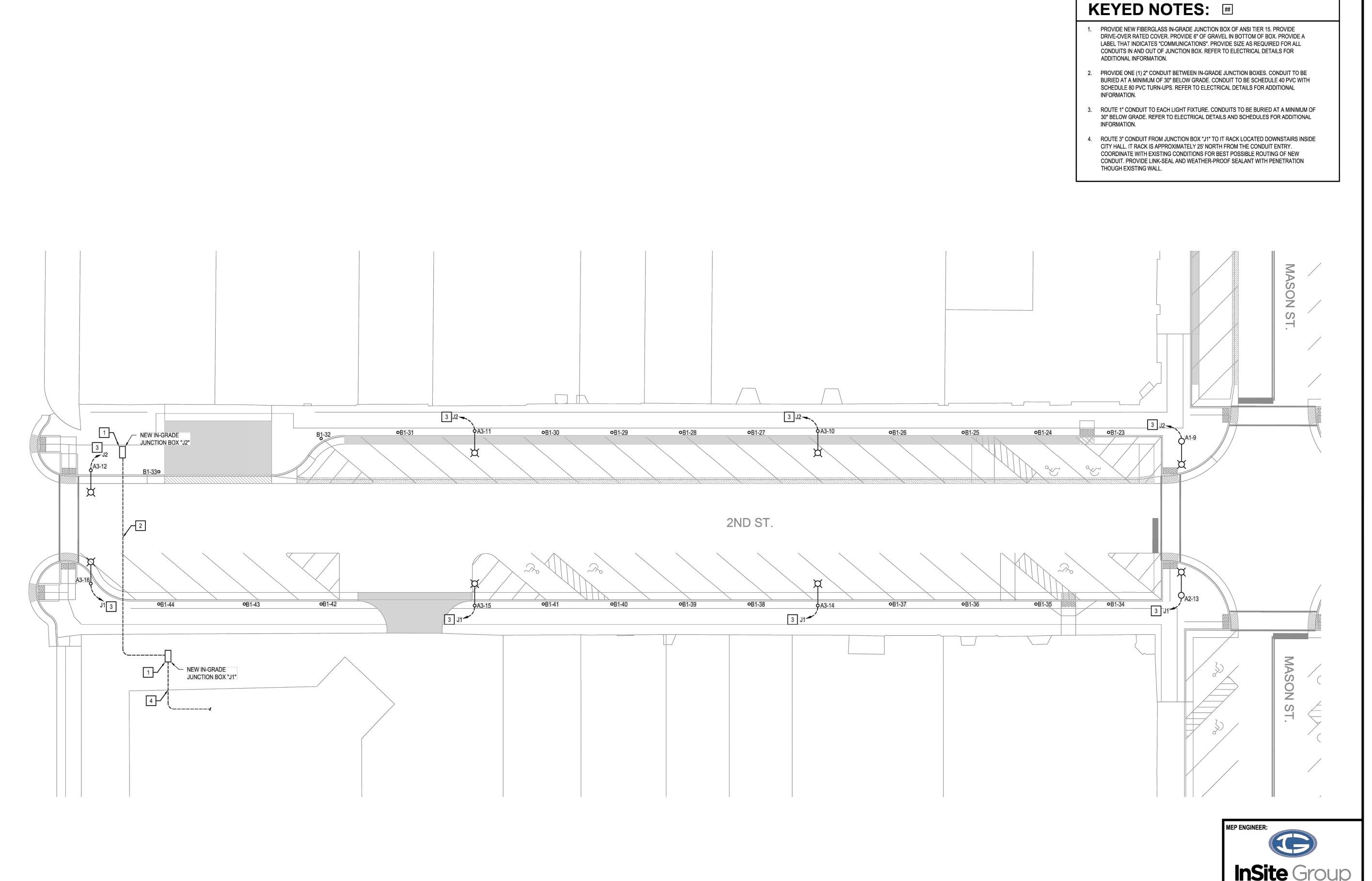
POWER PLAN

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS

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

EP

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net







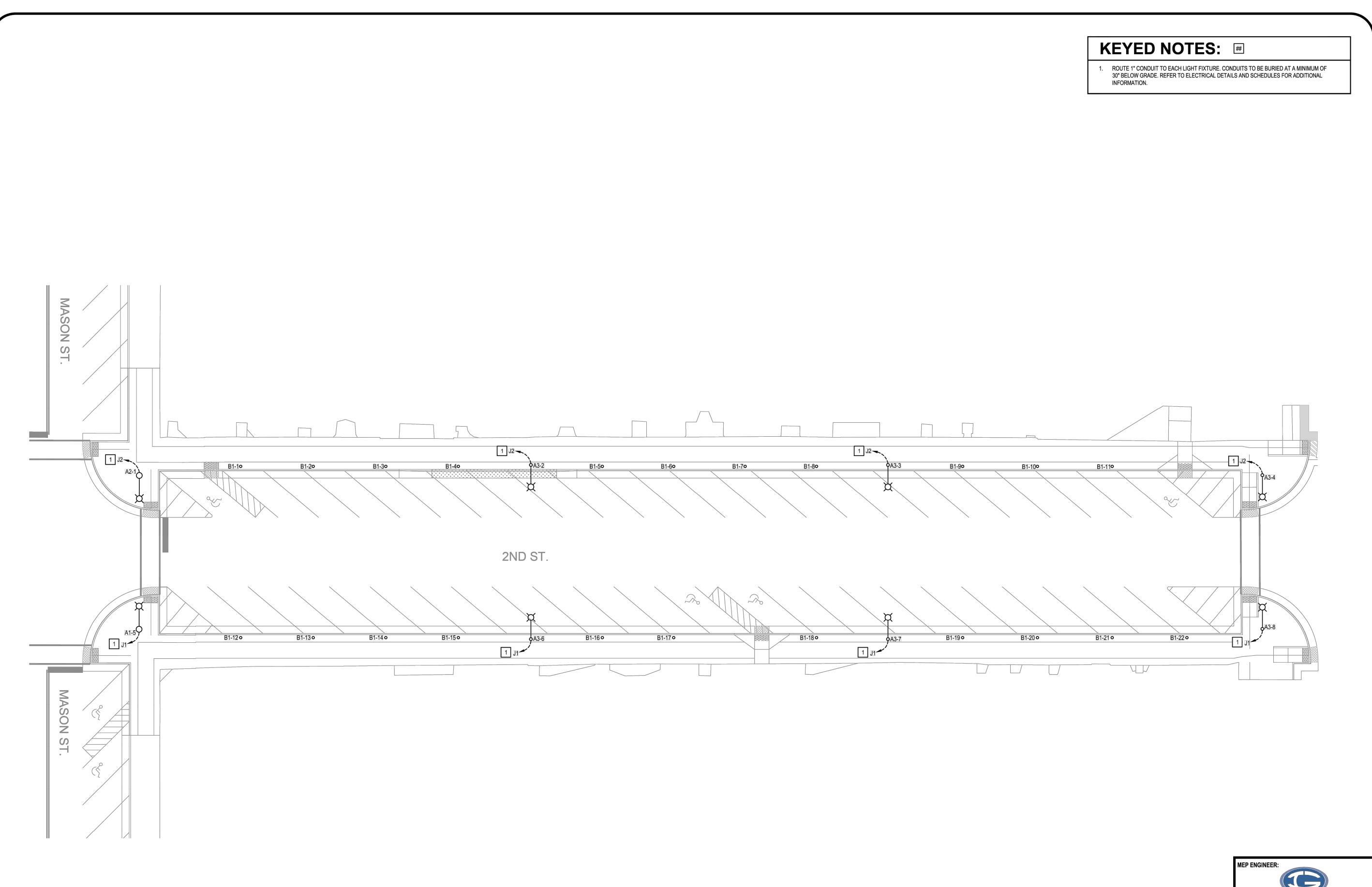


	IG INFO.		SLA	JGR	09/12/25		TAP-9901(440)	TAB 0001/1//31
	DRAWING INFO.	FIELD BY:	DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
		DATE						
		ВУ						
	REVISIONS	DESCRIPTION						
1		NO.						

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS COMMUNICATIONS PLAN

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

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net







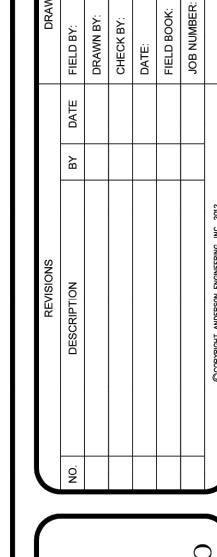
DRAWING INFO.		SLA	AĐſ	09/12/25		TAP-9901(440)	
DRAWIN	FIELD BY:	DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
	DATE						
	ВУ						
REVISIONS	DESCRIPTION						
	Ō.						

ON NOTICE TO SERVICE T COMMUNICATIONS PLAN

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

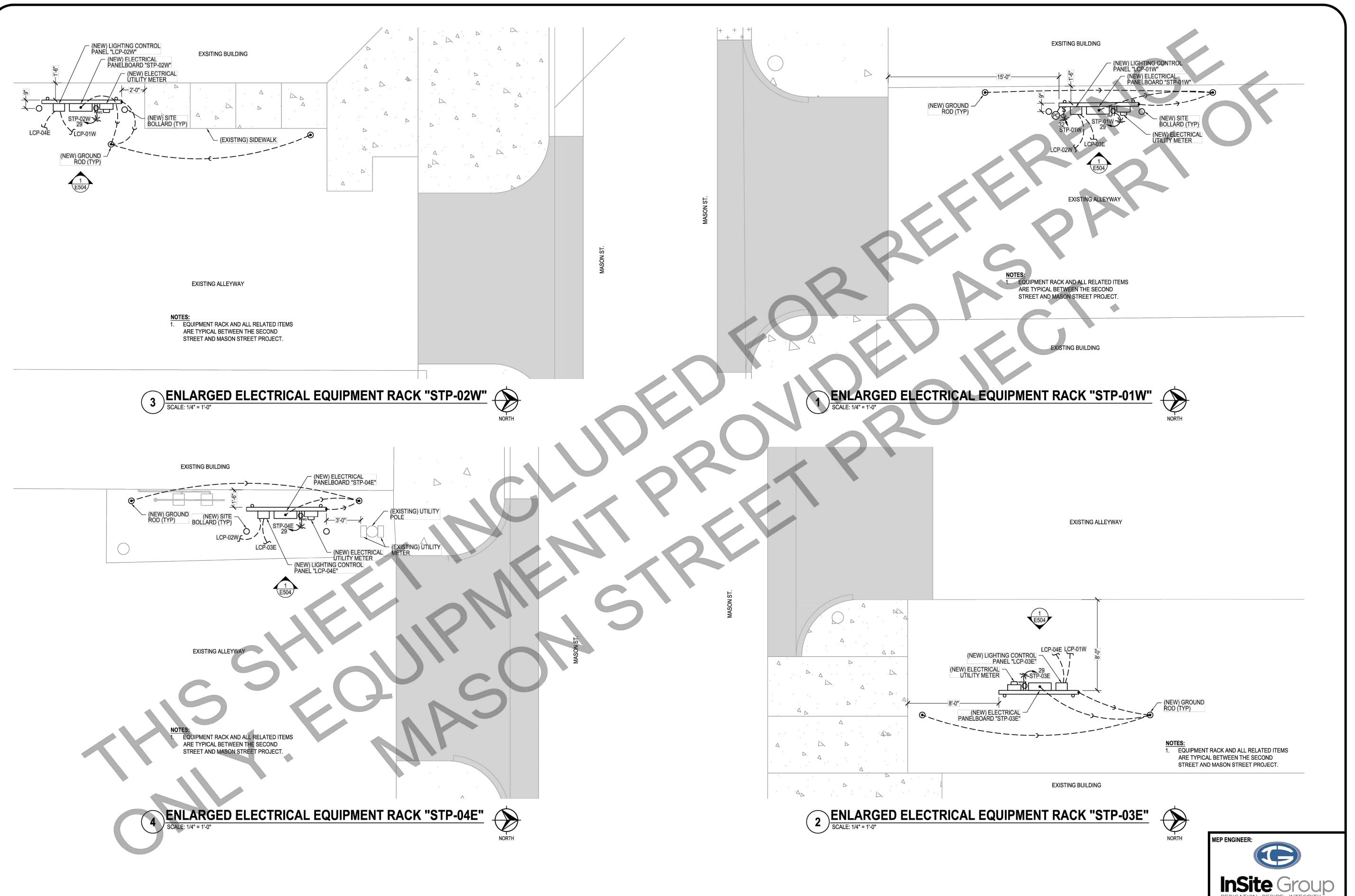
3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net





3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net ISG PROJECT NUMBER: 24-7733-0 MO COA 2002005563 - Curtis L. Brungardt, P.E. 200301669



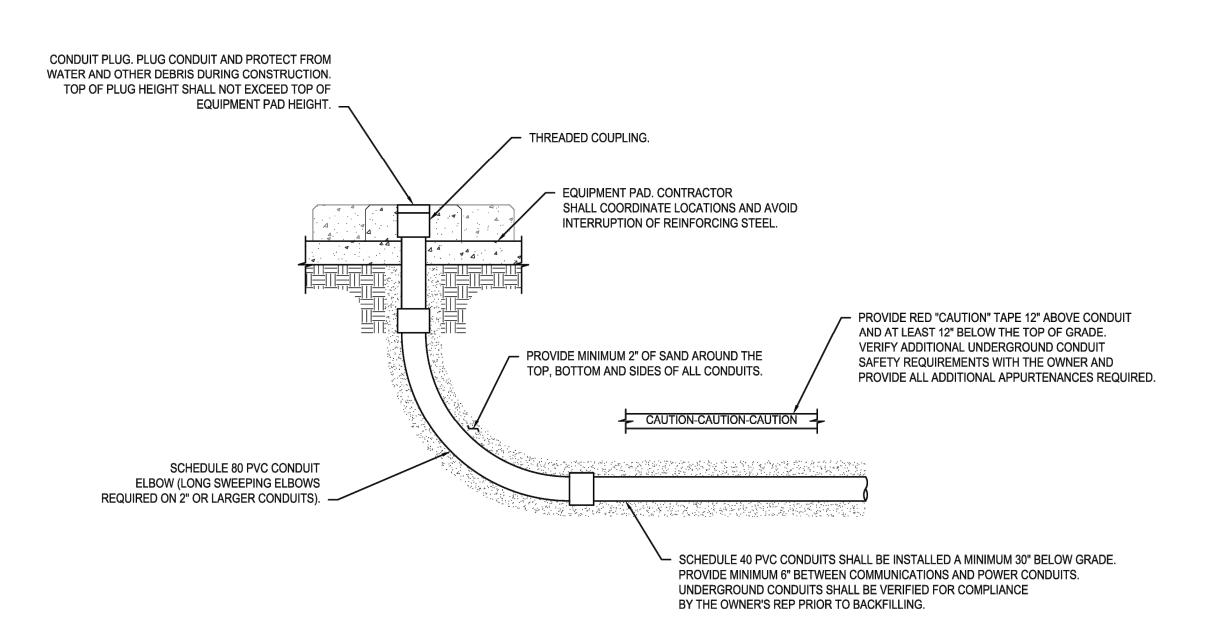




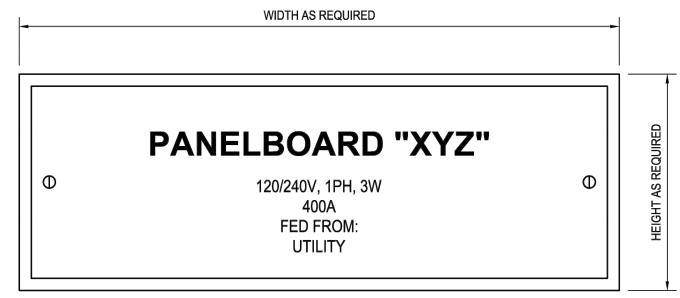
	REVISIONS			DRAWING INFO.	G INFO.
Ŏ.	DESCRIPTION	ВУ	DATE	FIELD BY:	
				DRAWN BY:	AJS
				CHECK BY:	JGR
				DATE:	09/12/2
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				TAP-9901

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net

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.

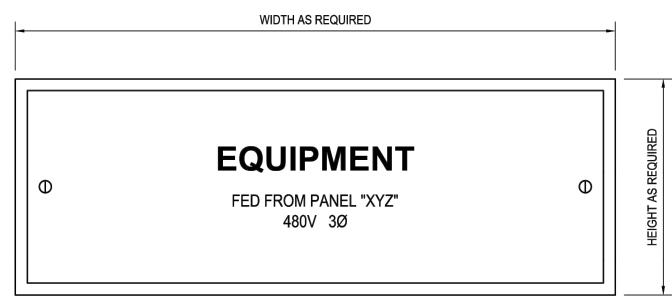


DETAIL NOTES:

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

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

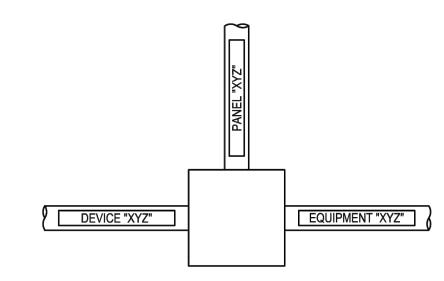




DETAIL NOTES:

- SEE SPECIFICATIONS FOR ADDITIONAL LABEL INFORMATION.
- REWORD LABELS FOR FIELD CONDITIONS.
- 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.

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.









	DRAWING INFO.		AJS	JGR	09/12/25		TAP-9901(440)	TAP-9901(443)
	DRAWIN	FIELD BY:	DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
		DATE						
		ВУ						
	REVISIONS	DESCRIPTION						COC ON CHARGOON ENGINEERING INC.
		NO.						

SECTION VIEW

DETAIL NOTES:

- PROVIDE IN-GRADE JUNCTION BOX, SIZE AS INDICATED. SIZE (MINIMUM 32" x 19") SHOWN SHALL BE ADJUSTED AS NEEDED TO
- ACCOMMODATE ALL CABLE BENDING REQUIREMENTS.
- PROVIDE COVER WITH A LABEL THAT INDICATES "COMMUNICATIONS".

 ALL CONDUITS SHALL BE EXTENDED 4-6" ABOVE GRAVEL. ALL PULL STRINGS SHALL HAVE A LABEL AND CONDUITS SHOULD BE LABELED INDICATING WHERE THE CONDUITS TERMINATE. PROVIDE WEATHER PROOF PRINTED LABEL.

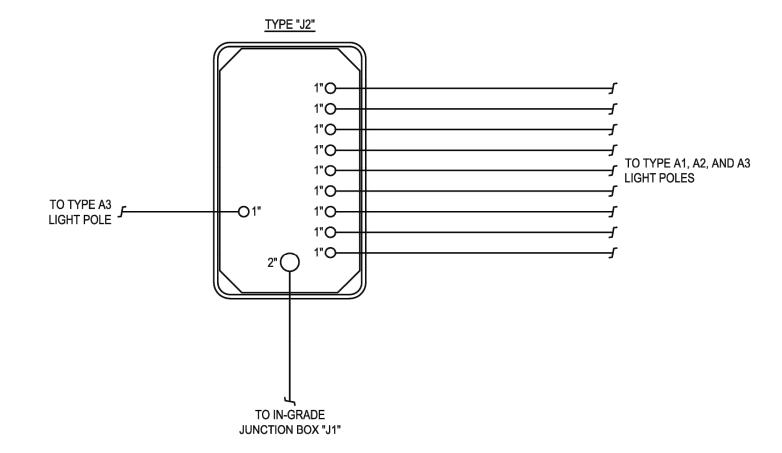
 LABEL ALL CONDUCTORS AND PULL-STRINGS INSIDE ALL NEW PULL BOXES. LABEL(S) SHALL INCLUDE THE "TO/FROM" INFORMATION,
- CIRCUIT NUMBERS, CABLE MANUFACTURER, TYPE OF CABLE, MODEL OF CABLE, SIZE OF CABLE, NUMBER OF STRANDS, ETC. PROVIDE A WEATHER-PROOF, UV-RESISTANT PLASTIC SLEEVE WITH THE INFORMATION SHOWN ABOVE, AND ZIP-TIE TO THE CONDUCTOR/CABLE AS

- NEEDED.
 BOTTOM OF BOX SHALL BE PROVIDED WITH 6" OF GRAVEL.
 BOXES SHALL BE SQUARE WITH BUILDING LINES, SIDEWALKS, CURBS, OR OTHER STRUCTURES.
 BOXES SHALL BE FLUSH WITH SURROUNDING GRADE.
 BOXES SHALL BE LATCHED AND CLOSED TIGHTLY PRIOR TO TURNING OVER TO THE OWNER.
 SOIL BELOW ALL IN-GRADE BOXES SHALL BE COMPACTED PER CIVIL SOIL COMPACTION REQUIREMENTS.
 ALL TURN UPS INTO BOXES SHALL BE PROVIDED WITH BELL ENDS. MISSING BELL ENDS WILL REQUIRE THE CONTRACTOR TO PULL THE CABLES OUT AND RE-PULL. ALL ELECTRICAL TURN-UPS SHALL BE RIGID SCHEDULE 80 PVC PER STUB-UP DETAILS.

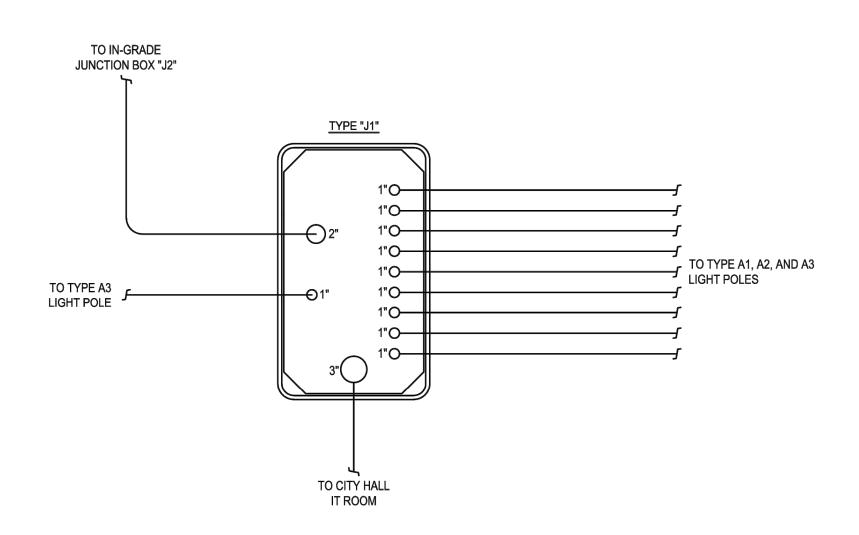
IN-GRADE JUNCTION	ON BOX MATERI	AL SCHEDULE
DESCRIPTION	QTY	NOTES
J1 - 32" X 19" FIBERGLASS IN-GRADE JUNCTION BOX	1 EA	
J2 - 32" X 19" FIBERGLASS IN-GRADE JUNCTION BOX	1 EA	
J-01W - 32" X 19" FIBERGLASS IN-GRADE JUNCTION BOX	1 EA	
J-02W - 32" X 19" FIBERGLASS IN-GRADE JUNCTION BOX	1 EA	
J-03E - 32" X 19" FIBERGLASS IN-GRADE JUNCTION BOX	1 EA	
J04E - 32" X 19" FIBERGLASS IN-GRADE JUNCTION BOX	1 EA	
JUNCTION BOX COVER/LID "COMMUNICATIONS"	2 EA	
JUNCTION BOX COVER/LID "COMMUNICATIONS"	4 EA	
GRAVEL/ROACK BASE	1 YD	
NAMEPLATE, TAGS, LABELING, ETC	AS REQUIRED	
NOTES:	·	·

) THE VALUES REPRESENTED IN THE TABLE ABOVE ARE TO BE USED AS ESTIMATES ONLY. CONTRACTOR SHALL PROVIDE ALL REQUIRED MATERIALS. 2) THE CONTRACTOR SHALL DETERMINE THE ACTUAL BOX SIZE REQUIRED. SIZE SHOWN IS MINIMUM.

3) THESE JUNCTION BOXES ARE THE SAME BOXES FOR BOTH SECOND STREET AND MASON STREET PROJECTS.



PLAN VIEW



PLAN VIEW

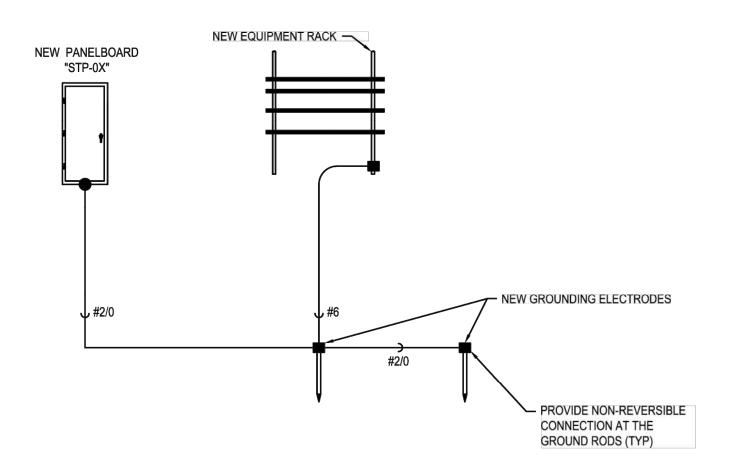






	REVISIONS			DRAWIN	DRAWING INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
				DRAWN BY:	Sry
				CHECK BY:	NOL.
				DATE:	09/12/2
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				TAP-9901

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



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

BOLTED CONNECTION.

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.
- 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
- 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

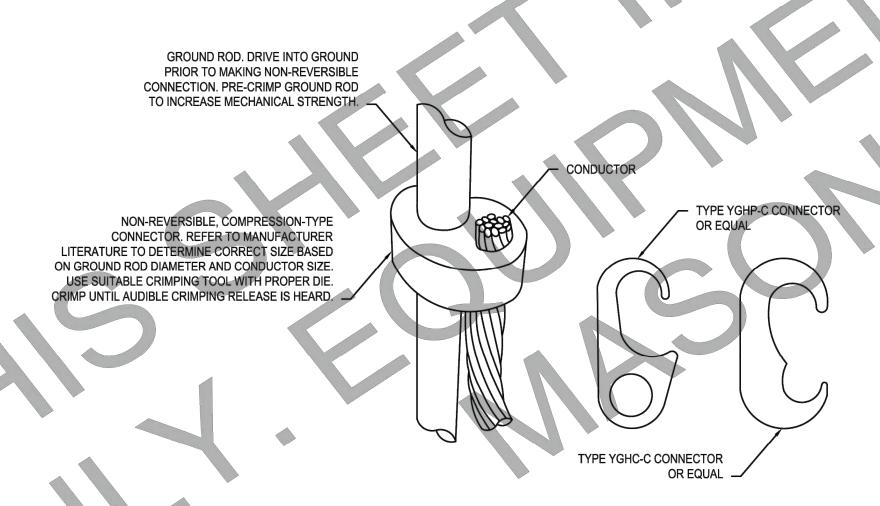
GENERAL NOTES:

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.

REVISIONS			DRAWING INFO.	G INFO.
IPTION	АЯ	DATE	FIELD BY:	
			DRAWN BY:	AJS
			CHECK BY:	JGR
			DATE:	09/12/2
			FIELD BOOK:	
			JOB NUMBER:	TAP-9901(
				TA 0004

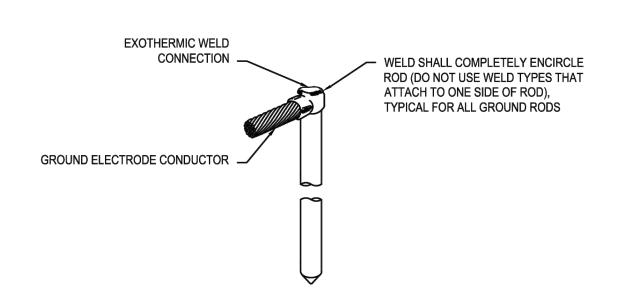
	REVISIONS			DRAWIN
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:
				DRAWN BY:
				CHECK BY:
				DATE
				FIELD BOOK:
				JOB NUMBER:
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012			

GROUNDING ELECTRODE SYSTEM ONE-LINE DIAGRAM (TYP OF 4)
SCALE: N.T.S.



NON-REVERSIBLE GROUNDING ROD CONNECTION DETAIL

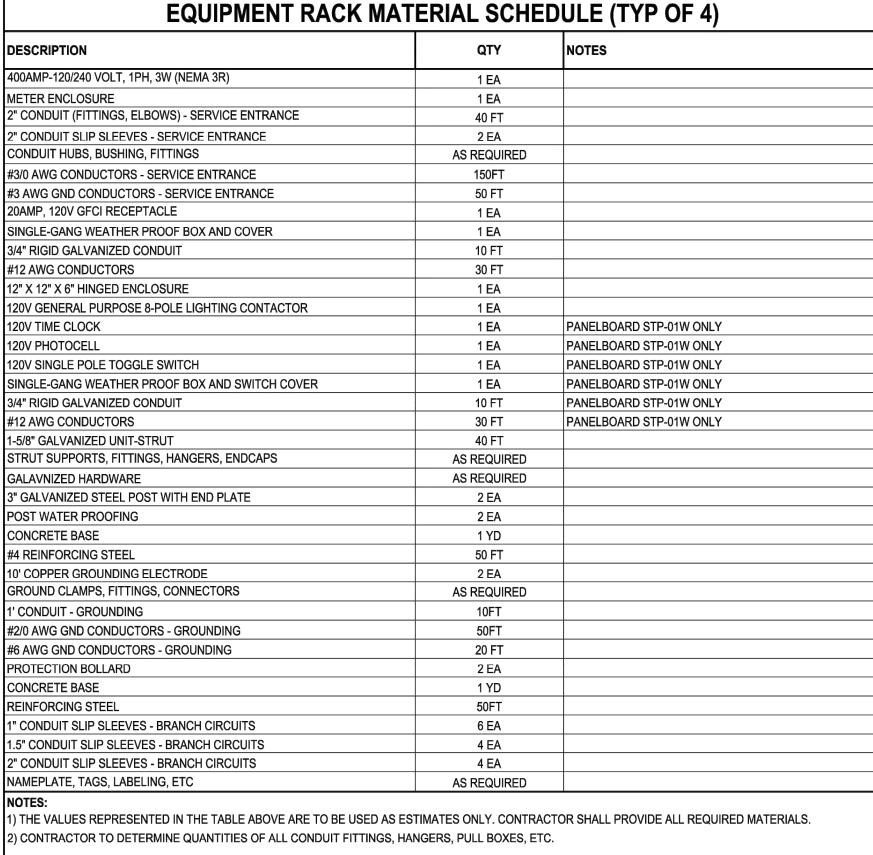
SCALE: N.T.S.



NON-REVERSIBLE GROUNDING ROD CONNECTION DETAIL

SCALE: N.T.S.





ROUNDED CONCRETE TOP 6" DIAMETER STEEL PIPE BOLLARD FILLED SOLID WITH CONCRETE, PAINT "CAUTION YELLOW EMBEDDED IN CONCRETE. 8"x8"3/4" BASE PLATE WELDED TO BOTTOM.

CONCRETE BASE.

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

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

WIDTH AS REQUIRED

D

LIGHTING

CONTROL PANEL

"LCP-0X"

KEYED NOTES:

- 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.
- 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.
- THE CENTER OF THE OPERATING HANDLE OF THE BREAKER FURTHEST FROM THE GROUND, WHEN AT HIGHEST POSITION, IS NOT TO EXCEED 6'-7" GRADE.
- POWER CONDUITS FOR ALL LOADS. REFER TO ELECTRICAL SITE PLANS, ENLARGED PLANS, ONE-LINE DIAGRAMS, AND SCHEDULES FOR ALL CONDUITS IN/OUT OF THE
 - 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.
- PROVIDE CONNECTION BETWEEN THE GROUNDING ELECTRODES.
- 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.
- 0. 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.
- 2. 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
- 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
- 16. PROVIDE LIGHTING CONTROL PANEL AT EACH PANELBOARD LOCATION. REFER TO SHEET E507 AND E508 FOR CONTROL DETAIL.
- 17. PROVIDE MANUAL OVER-RIDE SWITCH "S1W" AT "LCP-01W". SWITCH SHALL BE RATED FOR 120-VOLTS AND 20AMPS. INSTALL WITH WEATHER-PROOF BOX WITH WEATHER-PROOF COVER.
- 18. PROVIDE PHOTOCELL DEVICE AT "LCP-01W". PHOTOCELL SHALL BE RATED FOR 120-VOLTS AND 20 AMPS. DIRECT PHOTOCELL DOWN AND TOWARD THE NORTH AS MUCH 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
- 19. PROVIDE CONDUIT AND WIRING TO BOLLARDS AND LIGHT POLES FOR LIGHTING
- 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.

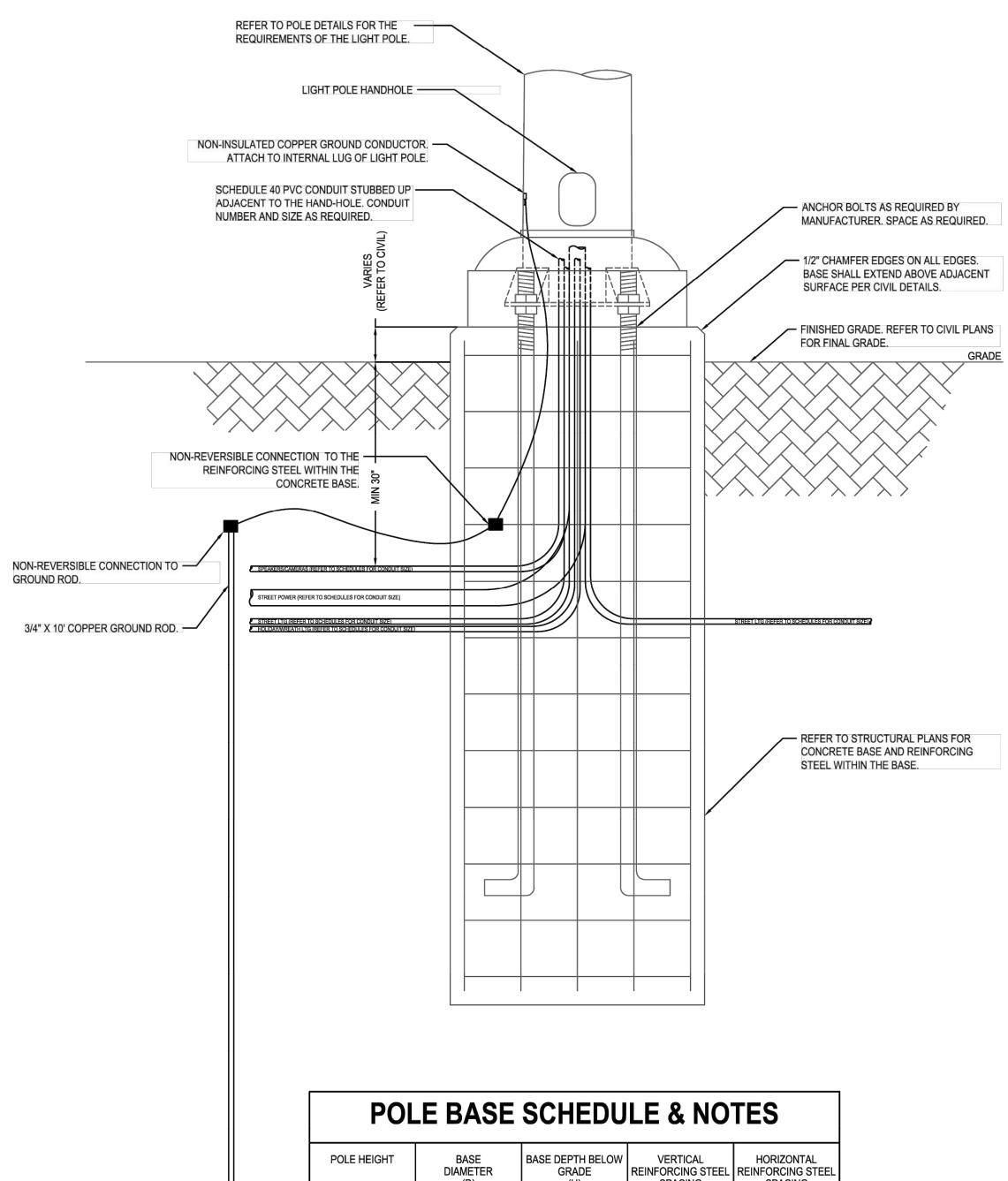
1. EQUIPMENT RACK AND ALL RELATED ITEMS ARE TYPICAL BETWEEN THE SECOND STREET AND MASON STREET PROJECT.

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net ISG PROJECT NUMBER: 24-7733-0



		AJS	JGR	09/12/25		TAP-9901(440)	(0,1,1,000 a a h
DRAWING INFO.		A)r	/60		TAP-96	i
DRAWIN	FIELD BY:	DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER.	
	DATE						
	ВУ						
REVISIONS	DESCRIPTION						
	NO.						

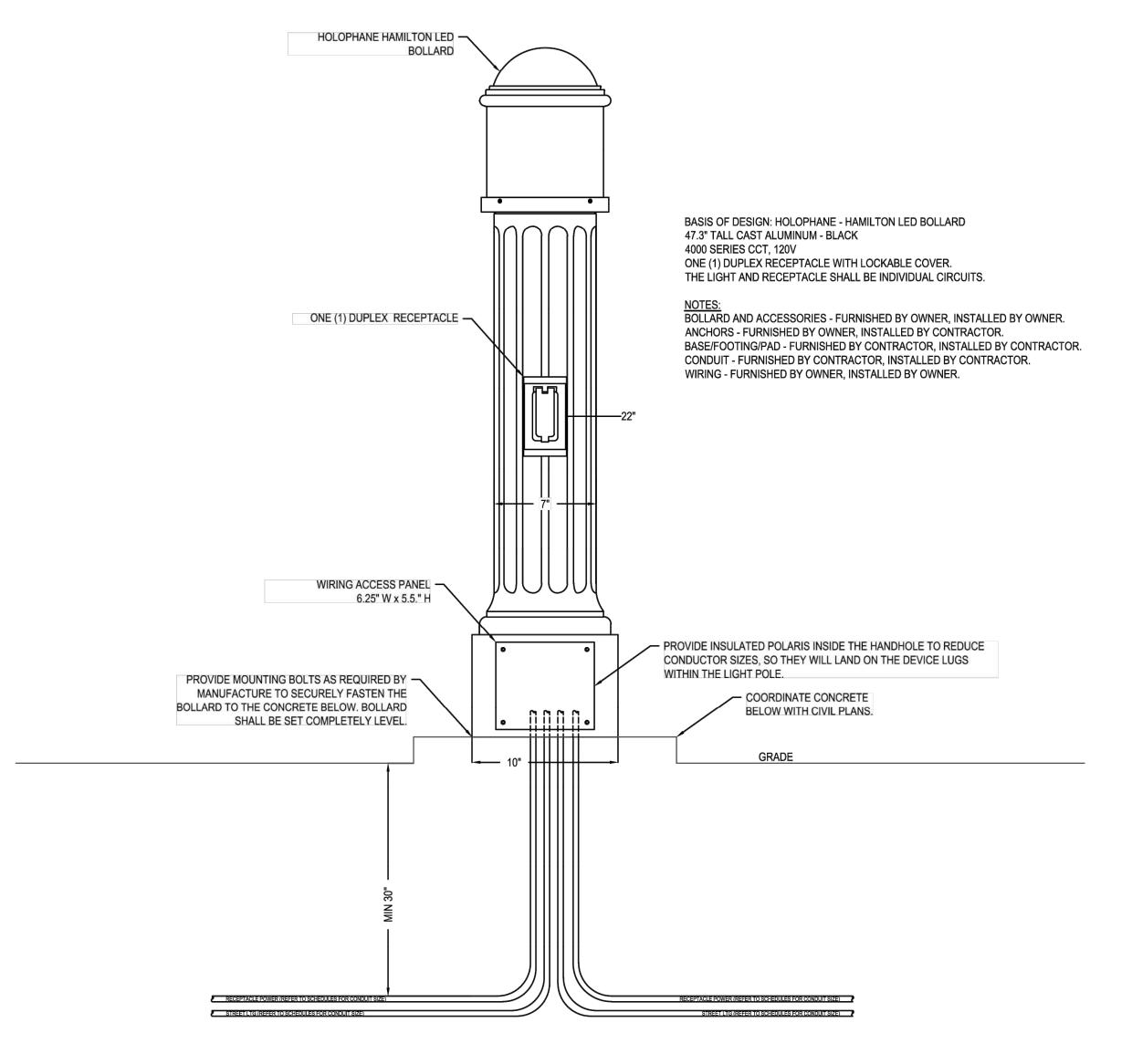




POL	E BASE	SCHEDU	LE & NO	TES
POLE HEIGHT	BASE DIAMETER (D)	BASE DEPTH BELOW GRADE (H)	VERTICAL REINFORCING STEEL SPACING	HORIZONTAL REINFORCING STEE SPACING
26'	REFER TO STRUCTURAL PLANS	REFER TO STRUCTURAL PLANS	REFER TO STRUCTURAL PLANS	REFER TO STRUCTURAL PLANS

- 1. PROVIDE PROPER LENGTH J-BOLTS PER MANUFACTURER. SPACING PER MANUFACTURER
- 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.

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

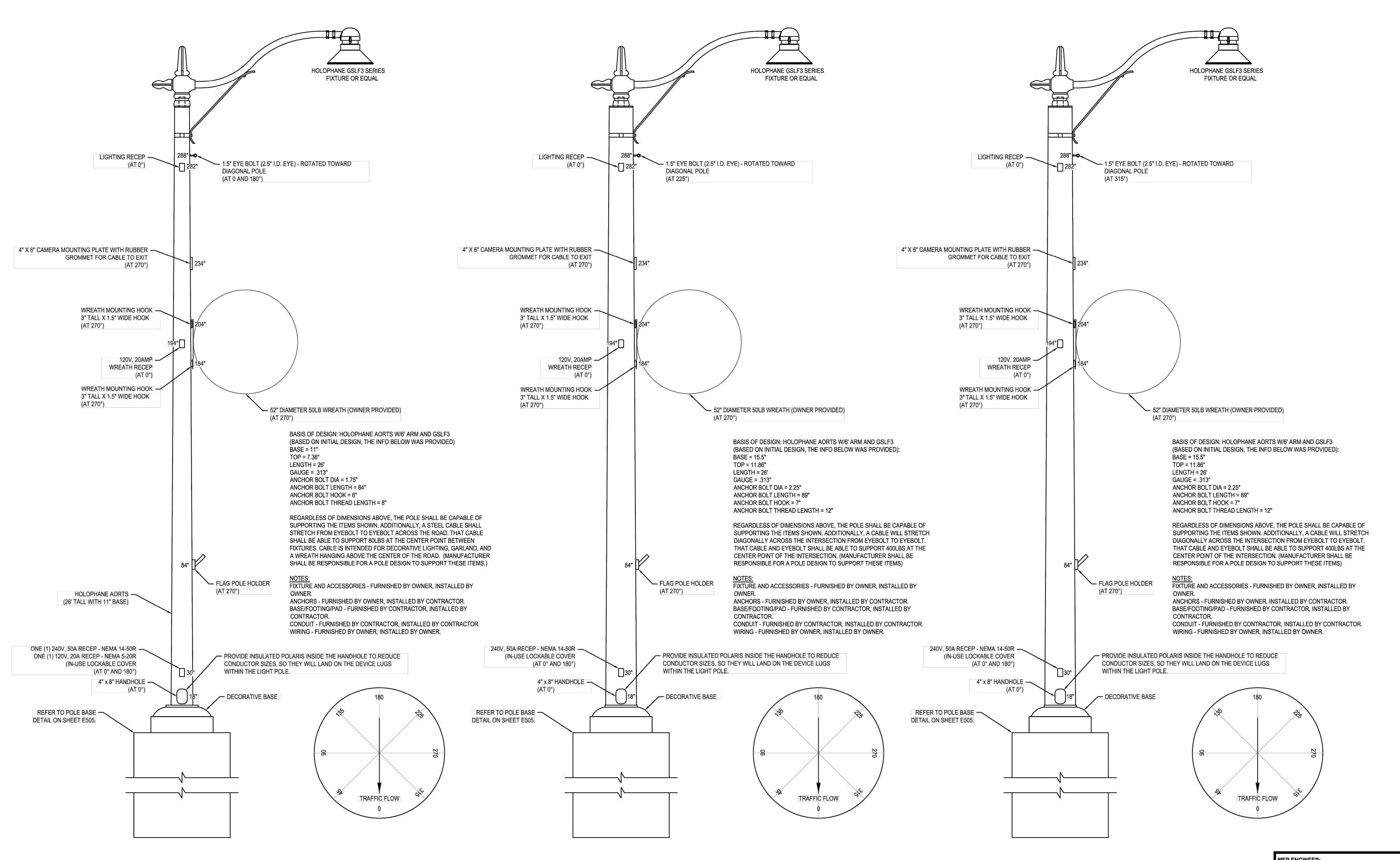








NO. DESCRIPTION BY DATE FIELD BY: NO. DESCRIPTION BY DRAWN BY: CHECK BY: CHECK BY: DATE: PATE: FIELD BOOK: JOB NUMBER: JOB NUMBER:		IG INFO.		AJS	JGR	09/12/25		TAP-9901(440)	TAP 0001/1/13
DESCRIPTION BY		DRAWING INFO.	FIELD BY:	DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
DESCRIPTION			DATE						
			ВУ						
<u> </u>		REVISIONS							COO CIN CINCALLINGIA INCOME TINGIALINGIA
	•		NO.						



3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net ISG PROJECT NUMBER: 24-7733-0

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

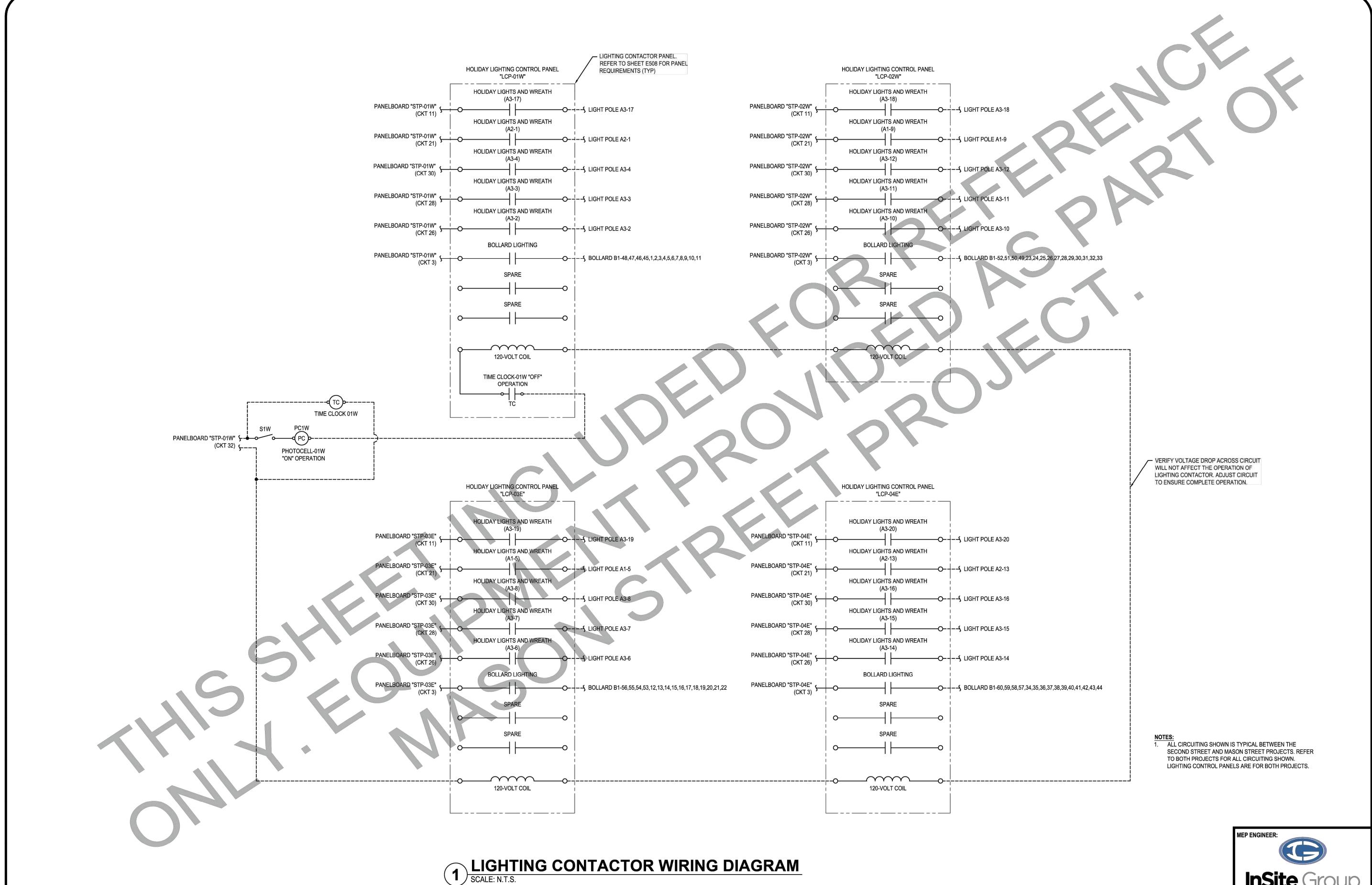


	REVISIONS			DRAWIN	DRAWING INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
				DRAWN BY:	SLA
				CHECK BY:	JGR
				DATE	09/12/25
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(44
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				TAP-9901(4

ELECTRICAL DETAILS

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS T49N, R28W / SECTION 01, T48N, LAFAYETTE COUNTY

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



ANDERSON

ENGINEERS • SURVEYORS • LABORATORIES • DRILLING

BARDERSON ENGINEERING COA# 000062



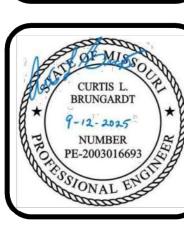
	REVISIONS			DRAWING INFO.	G INFO.
ON.	DESCRIPTION	ВУ	DATE	FIELD BY:	
				DRAWN BY:	AJS
				CHECK BY:	JGR
				DATE:	09/12/25
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440)
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				TAP-9901(443)

CTRICAL DETAILS

ELECTRICAL DETAILS
SECOND STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEN

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064
(816) 228-3377 | www.lnSiteGroup.net

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



	REVISIONS			DRAWIN	DRAWING INFO.
ı	DESCRIPTION	ВУ	DATE	FIELD BY:	
I				DRAWN BY:	AJS
				CHECK BY:	JGR
				DATE:	09/12/2
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901
	©COPTRIGHT ANDERSON ENGINEERING, INC. 2012				TAP-9901

		REVISIONS		
	Ö.	DESCRIPTION BY	DATE	FIELD
				DRAW
				CHECK
				DATE
				FIELD
_				JOB NI
		©COPYRIGHT ANDERSON ENGINEERING, INC. 2012		

1) REFER TO SCHEDULES ON E602 FOR CONDUCTOR TYPES AND SIZES. 3) MAINTAIN 6" OF CLEARANCE BETWEEN COMMUNICATIONS AND LIGHTING/POWER 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 PROVIDE RED "CAUTION" TAPE 12" ABOVE CONDUIT AND AT LEAST 12" BELOW THE TOP OF GRADE. 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. SCHEDULE 40
 PVC CONDUIT (TYP)
 COMMUNICATION CONDUITS TRENCHES SHALL BE LESS THEN 48" DEEP WHERE POSSIBLE. WHERE REQUIRED TO BE MORE THEN 48" DEEP SHORING SHALL BE

TYPICAL TRENCHES - UNDERGROUND CONDUIT DETAILS
SCALE: N.T.S.

PVC CONDUIT (TYP)
POWER/LIGHTING CONDUITS

2" (TYP)



PANE	LBOARD SCHEDULE: "STP-03I														
RQ	PANELBOARD TYPE									FEEDER E	NTRANC	E:		PANEL LOCATION:	
120/240	VOLTAGE	1	PHASE		Х	400	MAIN BE	REAKER			TOP			MASON ST NORTH ALLEY (EAST)	
400	- AMP MAIN BUS	3	WIRE			MAIN LU	JGS			X	BOTTON	И		FEEDER CABLE:	
3R	- NEMA ENCLOSURE		- 200% NEU	IT	X]]FEED TI	HRU LUG	s		MOUNT:	1			SEE ONE-LINE DIAGRAM	
22,000	RMS SYM. AMPS @	240	VOLTS]	ED BREA				SURFAC	`E		SOURCE:	
	-		_]		NEK		Х	1				
6/12/25	_DATE	Х	COPPER	BUSS	Х	SOLID	IEUTRAL				FLUSH			UTILITY	
	T	VA LOAD)	LOAD	WIRE	C.B.		С.В		WIRE	LOAD	VA LOAD			
POLE#	SERVICE	L1	L2	TYPE	SIZE	TRIP	POLE	TRIP	POLE	SIZE	TYPE	L1	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	720	R	NOTE 1	20	1	20	1	NOTE 1	R		1440	REC: B1-20,21,22	10
11	REC: A3-19 HOLIDAY LTS	R	NOTE 1	20	1	20	1	NOTE 1	L	165		LTS: A3-6,7,8	12		
13	REC: A1-5 240V	R	NOTE 1	50	2	50	2	NOTE 1	R	2000	3600	REC: A3-6 240V	14		
15		2000	3600	R							R	3600	2000		16
17 19	REC: A1-5 240V	3600	3600	R R	NOTE 1	50	2	50	2	NOTE 1	R R	3600	3600	REC: A3-7 240V	18 20
21	REC: A1-5 HOLIDAY LTS	720	3000	R	NOTE 1	20	1				R	3000	3600		22
23	REC: A3-6 120V	720	1440	R	NOTE 1	20	1	50	2	NOTE 1	R	3600	3000	REC: A3-8 240V	24
25	REC: A3-7 120V	1440	1110	R	NOTE 1	20	1	20	1	NOTE 1	R	0000	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
	OONNECTE	14690	14500	TUDULO	OUR FEED)				T			14565	16560		
	CONNECTED					 -	29255			31060					
	CONNECTED	VA/PH FRC					00055		L2 -	31060					
LOAD TYP			CODE DE		TED VA/PH	LI-	29255		+	ONNECTED	VA	DEMAND	VA	MIN. CODE VA (1.25 x CONT.)	
LOAD ITE	-		REQUIRE						THIS	SUB	TOTAL	DEWAND	VA.		
			INE QUINT	-1111-141-0					PANEL	PNLS	IOIAL				
LIGHTING ((NEC 220-11)		100%						375	11125	375		375	469	
RECEPTAC	CLES (NEC 220-13)		-	VA + 1/2	x REMAININ	IG			59940		59940		34970	34970	
	MOTOR (NEC 430-24)		1.25 x LAF	RGEST FL	.A				0		0		0	0	
	G MOTORS (NEC 430-24)		100% REM	//AINING I	MOTORS				0		0		0	0	
-	NEC 220-15)		100%						0		0		0	0	
	QUIPMENT (NEC 220-20)		· '	SEE COD	E SECTION)			0		0		0	0	
WATER HEATER 100%									0		0		0	0	
MISC. 100%									0		0		0	0	
SPARE	SPARE 0 x CODE MIN.VA													0	
TOTAL LOA	ADS								60315		60315		35345	35439	
				SIZING	LOAD					148	AMPS				
NOTES:	DEFED TO SCHEDULES ON ESSA FOR WIDE AN	ווד פוסר													

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

RQ	PANELBOARD TYPE	_								FEEDER E	NTRANCI	E: 🚽		PANEL LOCATION:	
	VOLTAGE	1	PHASE		Х	100	MAIN BI	DEAVED			ТОР			MASON ST SOUTH ALLEY (EAST)	
	• 1		-			1	-	NEANEN			-				
400	_ AMP MAIN BUS	3	WIRE			MAIN LU				X	BOTTON			FEEDER-CABLE:	1
3R	NEMA ENCLOSURE		200% NE	UT.	X	FEED TI	HRU LUG	S		MOUNT:				SEE ONE-LINE DIAGRAM	
22,000	RMS SYM. AMPS @	240	VOLTS			SUB-FE	ED BREA	KER		Х	SURFAC	E		SOURCE:	
5/7/25	DATE	Х	COPPER	BUSS	Х	SOLID	IEUTRAL		~		FLUSH			UTILITY	
		VA LOAD)	LOAD	WIRE	C.B.		С.В		WIRE	LOAD	VA LOAD			
OLE#	SERVICE	L1	L2	TYPE	SIZE	TRIP	POLE	TRIP	POLE	SIZE	TYPE	L1	L2	SERVICE	POL
1	LTS: A2-13,A3-20	110		L	NOTE 1	20	1	20	1	NOTE 1	R		1440	REC: B1-60,59,58	
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	
5	REC: A3-20 240V	3600		R	NOTE 1	50	2	20	1	NOTE 1	R		1440	REC: B1-36,37,38	
7			3600	R		477		20	1	NOTE 1	R	1440		REC: B1-39,40,41	
9	REC: A3-20 120V	1440		R	NOTE 1	20	1	20	1	NOTE 1	R		1440	REC: B1-42,43,44	1
11	REC: A3-20 HOLIDAY LTS	0000	720	R	NOTE 1	20		20	1	NOTE 1		165	0000	LTS: A3-14,15,16	1
13	REC: A2-13 240V	3600	2000	R	NOTE 1	50	2	50	2	NOTE 1	R	2000	3600	REC: A3-14 240V	1
15 17		3600	3600	R							R	3600	3600		1
19	REC: A2-13 240V	3000	3600	R	NOTE 1	50	2	50	2	NOTE 1	R	3600	3000	REC: A3-15 240V	
21	REC: A2-13 HOLIDAY LTS	720	3000	R	NOTE 1	20	1				R	3000	3600		
23	REC: A3-14 120V	120	1440	R	NOTE 1	20	1	50	2	NOTE 1	R	3600	0000	REC: A3-16 240V	
25	REC: A3-15 120V	1440	1110	R	NOTE 1	20	1	20	1	NOTE 1	R	0000	720	REC: A3-14 HOLIDAY LTS	
27	REC: A3-16 120V		1440	R	NOTE 1	20	1	20	_ 1	NOTE 1	R	720		REC: A3-15 HOLIDAY LTS	1 2
29	REC: EQUIPMENT RACK	180		R	#12	20	1	20	1	NOTE 1	R		720	REC: A3-16 HOLIDAY LTS	3
31	SPARE					20	1	20	1	1				SPARE	3
33	SPARE					20	1	20	1					SPARE	3
35	SPARE					20	1	20	1					SPARE	3
37	SPACE													SPACE	
39	SPACE													SPACE	4
41	SPACE										NP			SPACE	
		14690	14500									14565	16560		
	CONNECTE						29255		1	31060					
	CONNECTED	VA/PH FRO				+			L2-						
					TED VA/PH	L1 -	29255		-	31060					
AD TYPI		>	CODE DE							NNECTED		DEMAND	VA	MIN. CODE VA (1.25 x CONT.)	
			REQUIR	EMENTS					THIS	SUB	TOTAL				
HTING	NEC 220-11)		100%						PANEL	PNLS	275		375	469	
	ELES (NEC 220-13))VA + 1/2	x REMAININ	IG			375 59940		375 59940		34970	34970	
A STATE OF THE PARTY OF THE PAR	MOTOR (NEC 430-24)		1.25 x LAF						0		0		34970	0	
	6 MOTORS (NEC 430-24)		100% REI						0		0		0	0	
W. A	NEC 220-15)		100% KEI	11110					0		0		0	0	
700	QUIPMENT (NEC 220-20)			SEE COD	E SECTION)			0		0		0	0	
TER HE	· · · · · · · · · · · · · · · · · · ·		100%			-			0		0		0	0	
SC.			100%						0		0		0	0	
, o.			t								1				
										l	1				
ARE			0	x CODE	MIN.VA									0	

NOTES:

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

	LBOARD SCHEDULE: "STP-0 PANELBOARD TYPE	1 * *								FEEDER E	NTDANO	- .		PANEL LOCATION:	
<u> </u>	,					1			1	FEEDER E	1	E.			
120/240	VOLTAGE	1	PHASE		X	400	MAIN BF	REAKER			TOP			MASON ST NORTH ALLEY (WEST)	
400	AMP MAIN BUS	3	WIRE			MAIN LU	JGS			Х	BOTTOM	1		FEEDER CABLE:	
3R	NEMA ENCLOSURE		200% NEU	JT.	Х	FEED TH	HRU LUG	S		MOUNT:				SEE ONE-LINE DIAGRAM	
22,000	RMS SYM. AMPS @	240	VOLTS			SUB-FE	ED BREA	KER		Х	SURFAC	E		SOURCE:	
6/12/25	DATE	Х	COPPER	BUSS	Х	SOLID	NEUTRAL				FLUSH			UTILITY	
		VA LOAD		LOAD	WIRE	C.B.		С.В		WIRE	LOAD	VA LOAD			T
POLE#	SERVICE	L1	L2	TYPE	SIZE	TRIP	POLE	TRIP	POLE	SIZE	TYPE	L1	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 15	REC: A2-1 240V	3600	3600	R R	NOTE 1	50	2	50	2	NOTE 1	R R	3600	3600	REC: A3-2 240V	14
17 19	REC: A2-1 240V	3600	3600	R R	NOTE 1	50	2	50	2	NOTE 1	R	3600	3600	REC: A3-3 240V	18
21	REC: A2-1 HOLIDAY LTS	720		R	NOTE 1	20	1			NOTE 4	R		3600	20 10 10 10	22
23	REC: A3-2 120V		1440	R	NOTE 1	20	1	50	2	NOTE 1	R	3600		REC: A3-4 240V	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	4												SPACE	38
39	SPACE													SPACE	40
41	SPACE										▶			SPACE	42
		14510	14580						.			14625	16560		
		TED VA/PH (L					29135			31140					
	CONNECTE	D VA/PH FRO			1000				L2 -		-				
0.4 P. T. T.		-			FED VA/PH	L1-	29135		L2 -				-	MIN. CODE VA (1.25 x CONT.)	
OAD TYPE			CODE DE REQUIRE		·					NNECTED		DEMAND	VA	MINT. CODE VA (1.25 X CONT.)	
			KEQUIKE	MIEN I 2					THIS	SUB PNLS	TOTAL				
GHTING (NEC 220-11)		100%		-				455	FINLO	455		455	569	
	LES (NEC 220-13)			VA + 1/2	REMAININ	JG			59760		59760		34880	34880	
	MOTOR (NEC 430-24)		1.25 x LAF						09700		0		0	0	
10000	6 MOTORS (NEC 430-24)		100% REN						0	7	0		0	0	
A CONTRACTOR OF THE PARTY OF TH	NEC 220-15)		100% KEN	W WINTED I					0		0		0	0	
1	QUIPMENT (NEC 220-20)		D. 45000000000000000000000000000000000000	SEE COD	E SECTION)			0		0		0	0	
ATER HE			100%						0		0		0	0	
ISC.			100%						60		60		60	60	
PARE			0	x CODE	MIN VA									0	
OTAL LOA	DS		U	A GODE	THE TAX		9		60275		60275		35395	35509	
											. www.in			JUJUU	

NOTES:

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

PANE	BOARD SCHEDULE: "STP-02"	W''														
RQ	PANELBOARD TYPE									FEEDER E	NTRANCI	≣ :		PANEL LOCATION:		
120/240	VOLTAGE	1	PHASE		Х	400	MAIN BF	REAKER			TOP			MASON ST SOUTH ALLEY (WEST)		
400	AMP MAIN BUS	3	WIRE			MAIN LU	-			Х	BOTTON	1		FEEDER CABLE:		
3R	NEMA ENCLOSURE		200% NEU	JT	Х	, FEED TI	HRU LUG	S		MOUNT:	ı			SEE ONE-LINE DIAGRAM		
22,000	RMS SYM. AMPS @	240	VOLTS			J 1	ED BREA	_			CHBEAC	· c		SOURCE:		
			-]]		NER		Х	SURFAC	· C				
6/12/25	DATE	X	COPPER	BUSS	X	SOLIDN	IEUTRAL				FLUSH			UTILITY		
		VA LOAD		LOAD	WIRE	C.B.		С.В		WIRE	LOAD	VA LOAD			$\overline{}$	
POLE#	SERVICE	L1	L2	TYPE	SIZE	TRIP	POLE	TRIP	POLE	SIZE	TYPE	L1	L2	SERVICE	POLE#	
1 022 #	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	1	180	L	NOTE 1	20	1	20	1	NOTE 1	R	1440		REC: B1-49,23,24	4	
5		3600		R				20	1	NOTE 1	R		1440	REC: B1-25,26,27	6	
7	REC: A3-18 240V		3600	R	NOTE 1	50	2	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	BEC: A1 0 240V	3600		R	NOTE 1	En		E0.	2	NOTE 4	R		3600	REC: A3-10 240V	14	
15	REC: A1-9 240V		3600	R	NOTET	50	2	50	2	NOTE 1	R	3600		REC: A3-10 240V	16	
17	REC: A1-9 240V	3600		R	NOTE 1	50	2	50	2	NOTE 1	R		3600	REC: A3-11 240V	18	
19	NEC. A1-9 240V		3600	R	NOILI	30		50		NOTET	R	3600		REC. AS-11 240V	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	30		NOTET	R	3600		NEG. A5-12 240V	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	
	001115075	14690	14580		====>	1						14565	16560			
	CONNECTE				<i>'</i>		29255		-	31140						
	CONNECTED	VA/PH FRO							L2 -							
					TED VA/PH	L1 -	29255		L2 -					MIN. CODE VA (1.25 x CONT.)		
LOAD TYPI	<u> </u>		CODE DE							NNECTED	_	DEMAND V	/A	MIN. CODE VA (1.23 X CON1.)		
			REQUIRE	MENIS					THIS	SUB	TOTAL					
LIGHTING /	NEC 220-11)		100%						PANEL 455	PNLS	455		455	569		
	ELES (NEC 220-13)			VA + 1/2 ·	x REMAININ	IG.			59940		59940		34970	34970		
1	MOTOR (NEC 430-24)		1.25 x LAF						0		0		0	0		
	G MOTORS (NEC 430-24)		100% REN						0		0		0	0		
	NEC 220-15)		100% (KER						0		0		0	0		
	QUIPMENT (NEC 220-20)			SEE COD	E SECTION)			0		0		0	0		
WATER HE			100%			-			0		0		0	0	$\overline{}$	
MISC.			100%						0		0		0	0		
														Ţ		
SPARE			n	x CODE	MIN.VA						0					
TOTAL LOA	ADS		, ,	. 5001		60395					60395					
13.7.12.207				SIZING I	LOAD				13000	148	AMPS		-3120	5 35539		

NOTES:

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

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net ISG PROJECT NUMBER: 24-7733-0 MO COA 2002005563 - Curtis L. Brungardt, P.E. 2003016693





TAP-990				©COPYRIGHT ANDERSON ENGINEERING, INC. 2012	
TAP-990	JOB NUMBER:				
	FIELD BOOK:				
09/12	DATE:				
JGF	CHECK BY:				
AJS	DRAWN BY:				
	FIELD BY:	DATE	ВУ	DESCRIPTION	NO.
DRAWING INFO.	DRAWIN			REVISIONS	

ELECTRICAL SCHEDULES
SECOND STREET HISTORIC
DOWNTOWN DISTRICT IMPROVEMENTS SECTION 36, T49N, R28W / SECTION 01, T48N, R ODESSA, LAFAYETTE COUNTY,

FIXTURE TYPE-NUMBER	QUANTITY	00110117-0175			STATION LOCATION	
		CONDUIT SIZE	WIRE	DESCRIPTION	STATION LOCATION (REFER TO CIVIL)	LT/RT
A3-2 - 50A RECEPTACLE	1	2"	(3) #4, (1) #6G			
A3-2 - 20A RECEPTACLE	1	2	(2) #4, (1) #4G			
A3-2 - LIGHTING CIRCUIT	1	3/4"	(2) #10, (1) #10G	LIGHT POLE	15+87.58	LT
A3-2 - HOLIDAY LIGHTS	1	1"	(2) #8, (1) #8G			
A3-2 - SPEAKER/CAMERA	1	1"	-			
A3-3 - 50A RECEPTACLE	1	OII	(3) #3, (1) #6G			
A3-3 - 20A RECEPTACLE	1	2"	(2) #4, (1) #4G			
A3-3 - LIGHTING CIRCUIT	1	3/4"	(2) #10, (1) #10G	LIGHT POLE	17+10.58	LT
A3-3 - HOLIDAY LIGHTS	1	1"	(2) #6, (1) #6G			
A3-3 - SPEAKER/CAMERA	1	1"	-			
A3-4 - 50A RECEPTACLE	1	OII	(3) #2, (1) #4G			
A3-4 - 20A RECEPTACLE	1	2"	(2) #3, (1) #3G			
A3-4 - LIGHTING CIRCUIT	1	3/4"	(2) #10, (1) #10G	LIGHT POLE	18+39.58	LT
A3-4 - HOLIDAY LIGHTS	1	1"	(2) #6, (1) #6G			
A3-4 - SPEAKER/CAMERA	1	1"	-			
A3-6 - 50A RECEPTACLE	1		(3) #4, (1) #6G			
A3-6 - 20A RECEPTACLE	1	- 2"	(2) #4, (1) #4G			
A3-6 - LIGHTING CIRCUIT	1	3/4"	(2) #10, (1) #10G	LIGHT POLE	15+87.58	RT
A3-6 - HOLIDAY LIGHTS	1	1"	(2) #8, (1) #8G			
A3-6 - SPEAKER/CAMERA	 1	1"	-	\dashv		
A3-7 - 50A RECEPTACLE	1		(3) #3, (1) #6G			
A3-7 - 20A RECEPTACLE	<u>.</u> 1	2"	(2) #4, (1) #4G	_		
A3-7 - LIGHTING CIRCUIT	 1	3/4"	(2) #10, (1) #10G	LIGHT POLE	17+10.58	RT
A3-7 - HOLIDAY LIGHTS	<u>·</u> 1	1"	(2) #6, (1) #6G	LIGHT FOLL	17.10.30	KI
	<u> </u>	1"	(2) #0; (1) #00	_		
A3-7 - SPEAKER/CAMERA			(3) #2, (1) #4G	_		
A3-8 - 50A RECEPTACLE	1	2"	(2) #3, (1) #3G	\dashv		
A3-8 - 20A RECEPTACLE	1	0/48	* * * * * * * * * * * * * * * * * * * *		40.00.00	
A3-8 - LIGHTING CIRCUIT	1	3/4"	(2) #10, (1) #10G	LIGHT POLE	18+39.58	RT
A3-8 - HOLIDAY LIGHTS	1	1"	(2) #6, (1) #6G	_		
A3-8 - SPEAKER/CAMERA	1	1"	(0) #4 (4) #00			
A3-10 - 50A RECEPTACLE	1	2"	(3) #4, (1) #6G			
A3-10 - 20A RECEPTACLE	1		(2) #4, (1) #4G	_		
A3-10 - LIGHTING CIRCUIT	1	3/4"	(2) #10, (1) #10G	LIGHT POLE	12+64.58	LT
A3-10 - HOLIDAY LIGHTS	1	1"	(2) #8, (1) #8G			
A3-10 - SPEAKER/CAMERA	1	1"	-			
A3-11 - 50A RECEPTACLE	1	2"	(3) #3, (1) #6G			
A3-11 - 20A RECEPTACLE	1	-	(2) #4, (1) #4G			
A3-11 - LIGHTING CIRCUIT	1	3/4"	(2) #10, (1) #10G	LIGHT POLE	11+46.58	LT
A3-11 - HOLIDAY LIGHTS	1	1"	(2) #6, (1) #6G			
A3-11 - SPEAKER/CAMERA	1	1"	•			
A3-12 - 50A RECEPTACLE	1	2"	(3) #2, (1) #4G			
A3-12 - 20A RECEPTACLE	1		(2) #3, (1) #3G			
A3-12 - LIGHTING CIRCUIT	1	3/4"	(2) #10, (1) #10G	LIGHT POLE	10+14.58	LT
A3-12 - HOLIDAY LIGHTS	1	1"	(2) #6, (1) #6G			
A3-12 - SPEAKER/CAMERA	1	1"	•			
A3-14 - 50A RECEPTACLE	1	a	(3) #4, (1) #6G			
A3-14 - 20A RECEPTACLE	1	2"	(2) #4, (1) #4G			
A3-14 - LIGHTING CIRCUIT	1	3/4"	(2) #10, (1) #10G	LIGHT POLE	12+64.58	RT
A3-14 - HOLIDAY LIGHTS	1	1"	(2) #8, (1) #8G			
A3-14 - SPEAKER/CAMERA	1	1"	•			
A3-15 - 50A RECEPTACLE	1		(3) #3, (1) #6G			
A3-15 - 20A RECEPTACLE	1	2"	(2) #4, (1) #4G			
A3-15 - LIGHTING CIRCUIT	<u>·</u> 1	3/4"	(2) #10, (1) #10G	LIGHT POLE	11+46.58	RT
A3-15 - HOLIDAY LIGHTS	1	1"	(2) #6, (1) #6G			
A3-15 - SPEAKER/CAMERA	<u>.</u> 1	1"	,, \ -,			
	1	•	(3) #2, (1) #4G			
A3-16 - 50A RECEPTACLE	1	2"	(3) #2, (1) #4G (2) #3, (1) #3G	\dashv		
A3-16 - 20A RECEPTACLE		0/48	(2) #3, (1) #3G (2) #10, (1) #10G	LIGHT POLE	40.44.50	DT
	A				10+14.58	RT
A3-16 - LIGHTING CIRCUIT A3-16 - HOLIDAY LIGHTS	1 1	3/4" 1"	(2) #6, (1) #6G			

FIXTURE TYPE-NUMBER	QUANTITY	CONDUIT SIZE	WIRE	DESCRIPTION	STATION LOCATION (REFER TO CIVIL)	LT/RT
B1-1 - 20A RECEPTACLE	1	1"	(2) #6, (1) #6G	BOLLARD	14+87.58	LT
B1-2 - 20A RECEPTACLE	1	1"	(2) #6, (1) #6G	BOLLARD	15+12.58	LT
B1-3 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	15+37.58	LT
B1-4 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	15+62.58	LT
B1-5 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	16+12.18	LT
B1-6 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	16+36.78	LT
B1-7 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	16+61.38	LT
B1-8 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	16+85.98	LT
B1-9 - 20A RECEPTACLE	1	1-1/2"	(2) #3, (1) #3G	BOLLARD	17+36.33	LT
B1-10 - 20A RECEPTACLE	1	1-1/2"	(2) #3, (1) #3G	BOLLARD	17+62.08	LT
B1-11 - 20A RECEPTACLE	1	1-1/2"	(2) #3, (1) #3G	BOLLARD	17+87.83	LT
B1-12 - 20A RECEPTACLE	1	1"	(2) #6, (1) #6G	BOLLARD	14+87.58	RT
B1-13 - 20A RECEPTACLE	1	1"	(2) #6, (1) #6G	BOLLARD	15+12.58	RT
B1-14 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	15+37.58	RT
B1-15 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	15+62.58	RT
B1-16 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	16+12.18	RT
B1-17 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	16+36.78	RT
B1-18 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	16+85.98	RT
B1-19 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	17+36.33	RT
B1-20 - 20A RECEPTACLE	1	1-1/2"	(2) #3, (1) #3G	BOLLARD	17+62.08	RT
B1-21 - 20A RECEPTACLE	1	1-1/2"	(2) #3, (1) #3G	BOLLARD	17+87.83	RT
B1-22 - 20A RECEPTACLE	1	1-1/2"	(2) #3, (1) #3G	BOLLARD	18+13.58	RT
B1-23 - 20A RECEPTACLE	1	1"	(2) #6, (1) #6G	BOLLARD	13+64.58	LT
B1-24 - 20A RECEPTACLE	1	1"	(2) #6, (1) #6G	BOLLARD	13+39.58	LT
B1-25 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	13+14.58	LT
B1-26 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	12+89.58	LT
B1-27 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	12+40.98	LT
B1-28 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	12+17.38	LT
B1-29 - 20A RECEPTACLE	 1	1-1/2"	(2) #4, (1) #4G	BOLLARD	11+93.78	LT
B1-30 - 20A RECEPTACLE	 1	1-1/2"	(2) #4, (1) #4G	BOLLARD	11+70.18	LT
B1-31 - 20A RECEPTACLE	 1	1-1/2"	(2) #3, (1) #3G	BOLLARD	11+20.18	LT
B1-32 - 20A RECEPTACLE	 1	1-1/2"	(2) #3, (1) #3G	BOLLARD	10+93.78	LT
B1-33 - 20A RECEPTACLE	 1	1-1/2"	(2) #3, (1) #3G	BOLLARD	10+37.98	LT
B1-34 - 20A RECEPTACLE	1	1"	(2) #6, (1) #6G	BOLLARD	13+64.58	RT
B1-35 - 20A RECEPTACLE	<u>.</u> 1	1"	(2) #6, (1) #6G	BOLLARD	13+39.58	RT
B1-36 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	13+14.58	RT
B1-37 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	12+89.58	RT
B1-38 - 20A RECEPTACLE	 1	1-1/2"	(2) #4, (1) #4G	BOLLARD	12+40.98	RT
B1-39 - 20A RECEPTACLE	 1	1-1/2"	(2) #4, (1) #4G	BOLLARD	12+17.38	RT
B1-40 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	11+93.78	RT
B1-41 - 20A RECEPTACLE	1	1-1/2"	(2) #4, (1) #4G	BOLLARD	11+70.18	RT
B1-42 - 20A RECEPTACLE	1	1-1/2"	(2) #3, (1) #3G	BOLLARD	13+93.78	RT
B1-43 - 20A RECEPTACLE	1 1	1-1/2"	(2) #3, (1) #3G	BOLLARD	10+67.38	RT
B1-44 - 20A RECEPTACLE	<u></u> 1	1-1/2"	(2) #3, (1) #3G	BOLLARD	10+37.98	RT

DOLL	AND LO	A HUNS A	ND LIGHTING	S KEWUIKE	INIEN I 9	
FIXTURE TYPE-NUMBER	QUANTITY	CONDUIT SIZE	WIRE	DESCRIPTION	STATION LOCATION (REFER TO CIVIL)	
B1-1	1	3/4"	(2) #10, (1) #10G	BOLLARD	14+87.58	
B1-2	1	3/4"	(2) #10, (1) #10G	BOLLARD	15+12.58	
B1-3	1	3/4"	(2) #10, (1) #10G	BOLLARD	15+37.58	
B1-4	1	3/4"	(2) #10, (1) #10G	BOLLARD	15+62.58	
B1-5	1	3/4"	(2) #10, (1) #10G	BOLLARD	16+12.18	
B1-6	1	3/4"	(2) #10, (1) #10G	BOLLARD	16+36.78	
B1-7	1	3/4"	(2) #10, (1) #10G	BOLLARD	16+61.38	
B1-8	1	3/4"	(2) #10, (1) #10G	BOLLARD	16+85.98	
B1-9	1	3/4"	(2) #10, (1) #10G	BOLLARD	17+36.33	
B1-10	1	3/4"	(2) #10, (1) #10G	BOLLARD	17+62.08	
B1-11	1	3/4"	(2) #10, (1) #10G	BOLLARD	17+87.83	
B1-12	1	3/4"	(2) #10, (1) #10G	BOLLARD	14+87.58	
B1-13	1	3/4"	(2) #10, (1) #10G	BOLLARD	15+12.58	
B1-14	1	3/4"	(2) #10, (1) #10G	BOLLARD	15+37.58	
B1-15	1	3/4"	(2) #10, (1) #10G	BOLLARD	15+62.58	
B1-16	1	3/4"	(2) #10, (1) #10G	BOLLARD	16+12.18	
B1-17	1	3/4"	(2) #10, (1) #10G	BOLLARD	16+36.78	
B1-18	1	3/4"	(2) #10, (1) #10G	BOLLARD	16+85.98	
B1-19	1	3/4"	(2) #10, (1) #10G	BOLLARD	17+36.33	
B1-20	1	3/4"	(2) #10, (1) #10G	BOLLARD	17+62.08	
B1-21	1	3/4"	(2) #10, (1) #10G	BOLLARD	17+87.83	
B1-22	1	3/4"	(2) #10, (1) #10G	BOLLARD	18+13.58	
B1-23	1	3/4"	(2) #10, (1) #10G	BOLLARD	13+64.58	
B1-24	1	3/4"	(2) #10, (1) #10G	BOLLARD	13+39.58	
B1-25	1	3/4"	(2) #10, (1) #10G	BOLLARD	13+14.58	
B1-26	1	3/4"	(2) #10, (1) #10G	BOLLARD	12+89.58	
B1-27	1	3/4"	(2) #10, (1) #10G	BOLLARD	12+40.98	
B1-28	1	3/4"	(2) #10, (1) #10G	BOLLARD	12+17.38	
B1-29	1	3/4"	(2) #10, (1) #10G	BOLLARD	11+93.78	
B1-30	1	3/4"	(2) #10, (1) #10G	BOLLARD	11+70.18	
B1-31	1	3/4"	(2) #10, (1) #10G	BOLLARD	11+20.18	
B1-32	1	3/4"	(2) #10, (1) #10G	BOLLARD	10+93.78	
B1-33	1	3/4"	(2) #10, (1) #10G	BOLLARD	10+37.98	
B1-34	1	3/4"	(2) #10, (1) #10G	BOLLARD	13+64.58	
B1-35	1	3/4"	(2) #10, (1) #10G	BOLLARD	13+39.58	
B1-36	1	3/4"	(2) #10, (1) #10G	BOLLARD	13+14.58	
B1-37	1	3/4"	(2) #10, (1) #10G	BOLLARD	12+89.58	
B1-38	1	3/4"	(2) #10, (1) #10G	BOLLARD	12+40.98	
B1-39	1	3/4"	(2) #10, (1) #10G	BOLLARD	12+17.38	
B1-40	1	3/4"	(2) #10, (1) #10G	BOLLARD	11+93.78	
B1-41	1	3/4"	(2) #10, (1) #10G	BOLLARD	11+70.18	
B1-42	1	3/4"	(2) #10, (1) #10G	BOLLARD	13+93.78	
B1-43	1	3/4"	(2) #10, (1) #10G	BOLLARD	10+67.38	
D4 44		0/411	(2) #10 (1) #10G	DOLLADD	40.27.00	-

(2) #10, (1) #10G

BOLLARD

10+37.98

RT



- CONTRACTOR SHALL VERIFY ALL LOCATIONS AND ELEVATIONS WITH THE CIVIL PLANS. LOCATIONS SHOWN ARE BASED ON THE CIVIL DRAWINGS.
- 2. CONDUIT SIZES SHOWN ARE MINIMUM, CONTRACTOR SHALL UPSIZE CONDUITS FOR EASE OF PULLING AT THEIR DISCRETION.
- 3. CONTRACTOR SHALL VERIFY ALL FINAL CONDUIT LENGTHS AND VERIFY VOLTAGE DROP VALUES PRIOR TO INSTALLING CONDUCTORS. UPSIZE CONDUCTORS AS REQUIRED.
- 4. ORIENT CONDUITS IN THE BASE OF THE FIXTURES AS BEST POSSIBLE TO MAXIMIZE DISTANCE BETWEEN 120 VOLT CIRCUITS AND THE 1" SPARE COMMUNICATIONS CONDUIT.
- 5. WHERE CONDUCTORS ENTER THE LIGHT FIXTURES, THE CONTRACTOR WILL NEED TO SIZE THE CONDUCTORS DOWN TO LAND ON DEVICES. INSTALL POLARIS OR OTHER INSULATED DEVICE. SUBMIT PROPOSED EQUIPMENT TO THE ENGINEER FOR APPROVAL.
- 6. CONTRACTOR SHALL INSTALL INSULATED BUSHING OR USE BELL END FITTINGS INSIDE THE FIXTURES TO PROTECT WIRING.
- 7. PROVIDE A PULL STRING IN WITH THE CONDUCTORS ON ANY CONDUIT 1" OR LARGER, SO THE OWNER CAN ADD CONDUCTORS IN THE FUTURE. INSTALL A GALVANIZED WASHER LARGER THAN THE CONDUIT, ON EACH END OF THE PULL STRING. LABEL THE WASHER WITH THE IN-GRADE JUNCTION BOX OR PANELBOARD NAME.

V	ENG 941 W. 1
CURTIS E. BRUNGARDT 9-12-2025 NUMBER PE-200301669) *

ANDERSON ENGINEERING EMPLOYEE OWNED

	IG INFO.		AJS	JGR	09/12/25		TAP-9901(440)	TAD 0004(442)
	DRAWING INFO.	FIELD BY:	DRAWN BY:	CHECK BY:	DATE:	FIELD BOOK:	JOB NUMBER:	
		DATE						
		ВУ						
	REVISIONS	DESCRIPTION						

SECTION 36, T49N, R28W / SECTION 01, T48N, R28N ODESSA, LAFAYETTE COUNTY, MO SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS 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		х	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		Х	5
DISTRIBUTION EQUIPMENT CONDUIT/CONDUCTORS	ALL	CONTRACTOR	CONTRACTOR		Х	6
ELECTRICAL EQUIPMENT						
LIGHTING CONTROL PANEL "LCP-01W"	1	CONTRACTOR	CONTRACTOR		X	
LIGHTING CONTROL PANEL "LCP-02W"	1	CONTRACTOR	CONTRACTOR		Х	
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		Х	7
ABOVE-GRADE ELECTRICAL JUNCTION BOXES AND ENCLOSURES	ALL	CONTRACTOR	CONTRACTOR		X	7
BRANCH CIRCUITS						
LIGHTING CONDUITS	ALL	CONTRACTOR	CONTRACTOR	Х	Х	8
POWER CONDUITS	ALL	CONTRACTOR	CONTRACTOR	Х	Х	8
IN-GRADE JUNCTION BOXES	ALL	CONTRACTOR	CONTRACTOR	Х	Х	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	Х	Х	10
BOLLARDS	ALL	OWNER	OWNER			
	ALL	CONTRACTOR	CONTRACTOR	Х	Х	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)	LA	MPS	FINISH	FIXTURE VOLTAGE	FIXTURE WATTAGE	MANUFACTURER	CATALOG NO.	NOTES
DEGIGNATION		(11012 1)	TYPE	CODE		VOLIAGE	WATTAGE			
"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.





	REVISIONS			DRAWING INFO.	G INFO.
ON	DESCRIPTION	ВУ	DATE	FIELD BY:	
				DRAWN BY:	AJS
				CHECK BY:	JGR
				DATE:	09/12/25
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				TAP-9901(443

EET HISTORIC
ICT IMPROVEMENTS
/ SECTION 01, T48N, R28N
STTE COUNTY, MO

ELECTRICAL SCH
SECOND STREET HI
DOWNTOWN DISTRICT IM



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			#6	3	90	270
7	NEG. A5-10 240V	1.5	80	#10	1	90	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			#6	3	215	645
15	REG. A1-9 240V	2	205	#10	1	213	215
17	REC: A1-9 240V	2	203	#6	3	215	645
19	NEG. A1-9 240V			#10	1	213	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	-	-	-	-	-	ı
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	DEO. 40.40.040V	0	205	#4	3	205	1005
16	REC: A3-10 240V	2	325	#6	1	335	335
18	DEO: 40.44.040V	0	440	#3	3	450	1350
20	REC: A3-11 240V	2	440	#6	1	450	450
22	DEO. 40.40.040V	0	505	#2	3	505	1785
24	REC: A3-12 240V	2	585	#4	1	595	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	-	-	-	-	-	_

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"	
TOTA	L CONDUIT	TOTAL C	ONDUCTORS
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

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			#6	3	85	255
7	NEC. A3-17 240V	1.5	75	#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			#6	3	210	630
15	NEO. A2-1 240V	2	200	#10	1	210	210
17	REC: A2-1 240V		200	#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	-	-	-	-	<u>-</u>	-
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	REG. A3-2 240V	2	320	#6	1	330	330
18	REC: A3-3 240V	2	450	#3	3	460	1380
20	NEC. A3-3 240V	2	450	#6	1	400	460
22	REC: A3-4 240V	2	575	#2	3	585	1755
24	REC. A3-4 240V	2	5/5	#4	1	303	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	-	-	_	-	-	-

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"	
TOTA	AL CONDUIT	TOTAL C	ONDUCTORS
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







	REVISIONS			DRAWING INFO.	IG INFO.
Ŏ.	DESCRIPTION	ВУ	DATE	FIELD BY:	
				DRAWN BY:	AJS
				CHECK BY:	JGR
				DATE:	09/12/25
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				TAP-9901(443

ELECTRICAL SCHEDULES

SECOND STREET HISTORIC DOWNTOWN DISTRICT IMPROVEMENTS SECTION 36, T49N, R28W / SECTION 01, T48N, R. ODESSA, LAFAYETTE COUNTY,

604

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	DEC: A2 20 240V			#6	3	70	210
7	REC: A3-20 240V	1.5	60	#10	1	70	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			#6	3	190	570
15	REC. A2-13 240V	0	180	#10	1	190	190
17	REC: A2-13 240V	2	100	#6	3	190	570
19	REC: A2-13 240V			#10	1	190	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				#4	3		885
16	REC: A3-14 240V	2	285	#6	1	295	295
18		_		#3	3		1230
20	REC: A3-15 240V	2	400	#6	1	410	410
22		_		#2	3		1650
24	REC: A3-16 240V	2	540	#4	1	550	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	<u> </u>	-	-	-	-	-
34	SPARE	-	-	-	-	-	_
36	SPARE	-	-	-	_	_	_
38	SPACE	_	-	-	_		_
40	SPACE	-	_	-	_	-	_
42	SPACE	-	-	-	_	<u> </u>	

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"	
TOTA	AL CONDUIT	TOTAL C	ONDUCTORS
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

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			#6	3	75	225
7	REC. A3-19 240V	1.5	65	#10	1	75	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			#6	3	200	600
15	REC. A1-3 240V	2	100	#10	1	200	200
17	DEC: 44 5 240V	2	190	#6	3	200	600
19	REC: A1-5 240V			#10	1	200	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				#4	3		975
16	REC: A3-6 240V	2	315	#6	1	325	325
18				#3	3		1350
20	REC: A3-7 240V	2	440	#6	1	450	450
22		_		#2	3		1740
24	REC: A3-8 240V	2	570	#4	1	580	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	-	_	_	_	-	_

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-	·03E"	
TOTA	L CONDUIT	TOTAL C	ONDUCTORS
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

	"PROJEC	T TOTAL"	
TOTA	L CONDUIT	TOTAL C	ONDUCTORS
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





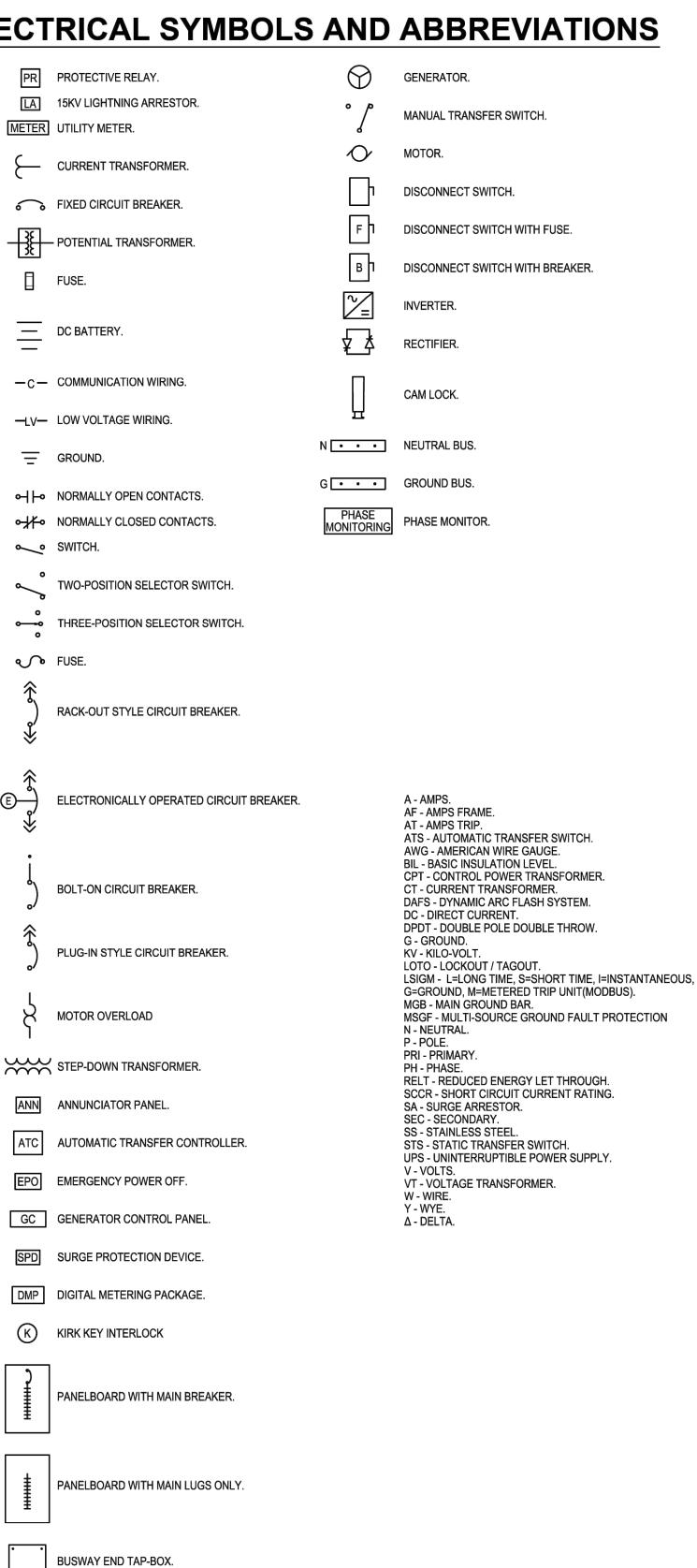
	REVISIONS			DRAWIN	DRAWING INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
				DRAWN BY:	SſY
				CHECK BY:	ADL
				DATE:	09/12/25
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				TAP-9901(44

ELECTRICAL SCHEDULES

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

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net

ELECTRICAL SYMBOLS AND ABBREVIATIONS



PLUG-IN BUSWAY.

CONDUCTOR LEGEND:

POWER CONDUCTORS (600 VOLTS OR LESS)

(COPPER UNLESS OTHERWISE NOTED.) 12-03 3-#12 W, 1-#12 GND IN 3/4" CONDUIT 6 SETS (3-#400 KCMIL W, 1-#250 KCMIL GND IN EACH 4" CONDUIT) 6 SETS (4-#400 KCMIL W, 1-#250 KCMIL GND IN EACH 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 7 SETS (3-#500 KCMIL W, 1-#350 KCMIL GND IN EACH 4" CONDUIT)

7 SETS (4-#500 KCMIL W, 1-#350 KCMIL GND IN EACH 4" CONDUIT)

8 SETS (3-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)

8 SETS (4-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)

8 SETS (3-#750 KCMIL W, 1-#600 KCMIL GND IN EACH 4" CONDUIT)

B SETS (4-#750 KCMIL W, 1-#600 KCMIL GND IN EACH 4" CONDUIT)

9 SETS (3-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)

9 SETS (4-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)

10 SETS (3-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)

10 SETS (4-#500 KCMIL W, 1-#400 KCMIL GND IN EACH 4" CONDUIT)

1 SETS (3-#500 KCMIL W, 1-#500 KCMIL GND IN EACH 4" CONDUIT)

1 SETS (4-#500 KCMIL W. 1-#500 KCMIL GND IN EACH 4" CONDUIT)

REFER TO SPECIFIC INFORMATION FOR CONDUIT AND WIRE SIZE.

MANUFACTURER SUPPLIED CONDUCTORS AND CONDUIT.

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)

3-#2 W, 1-#6 GND IN 4" CONDUIT (ALUMINUM CONDUCTORS)

GROUNDING CONDUCTORS

#12 GROUND IN 1" CONDUIT.

#10 GROUND IN 1" CONDUIT.

#8 GROUND IN 1" CONDUIT.

#6 GROUND IN 1" CONDUIT.

#4 GROUND IN 1" CONDUIT.

#3 GROUND IN 1" CONDUIT.

#2 GROUND IN 1" CONDUIT.

#1 GROUND IN 1" CONDUIT.

#1/0 GROUND IN 1" CONDUIT.

#2/0 GROUND IN 1" CONDUIT.

#3/0 GROUND IN 1" CONDUIT.

MEDIUM VOLTAGE CONDUCTORS (OVER 600 VOLTS)*

3-#1/0 KCMIL W, 1-#4 GND IN 4" CONDUIT (ALUMINUM CONDUCTORS)

3-#3/0 KCMIL W, 1-#2 GND IN 4" CONDUIT (ALUMINUM CONDUCTORS)

PROVIDED BY UTILITY COMPANY. COORDINATE SIZE AS REQUIRED.

EXISTING GROUNDING CONDUIT AND WIRING. VERIFY EXISTING SIZES AS

EXISTING MEDIUM VOLTAGE CONDUIT AND WIRING. VERIFY EXISTING SIZES AS

COPPER BUSWAYS (OVER 600 VOLTS)

EXISTING CONDUIT AND WIRING. VERIFY EXISTING SIZES AS REQUIRED.

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

3-04 4-#3 W, 1-#8 GND IN 1-1/4" CONDUIT 2-03 3-#2 W, 1-#6 GND IN 1-1/2" CONDUIT

3-03 3-#3 W, 1-#8 GND IN 1-1/4" 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)

GENERAL ONE-LINE NOTES:

REFER TO SHEET E001 FOR ADDITIONAL SYMBOLS AND NOTES.

COORDINATE ALL WORK WITH OTHER TRADES.

CONTRACTOR SHALL INSTALL ALL EQUIPMENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.

20% SPARE BREAKER SPACE SHALL BE PROVIDED IN ALL DISTRIBUTION PANELS, AND

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.

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

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.

CONTRACTOR SHALL VERIFY ALL FINAL FEEDER LENGTHS AND INCREASE WIRE SIZES AS REQUIRED TO MEET NEC MAXIMUM VOLTAGE DROP REQUIREMENTS.

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

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.

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.

WHERE EQUIPMENT IS REMOVED, THE AREA WHERE REMOVED SHALL BE REPAIRED TO MATCH ADJACENT SURFACES.

PATCH/PAINT AND REPAIR WALLS, FLOORS OR CEILINGS WHERE CONDUITS ARE REMOVED. THIS INCLUDES FASTENERS, HANGERS, OR OTHER APPURTENANCES. ALL HOLES SHALL BE PATCHED.

WHERE CONDUITS ARE REMOVED FROM EQUIPMENT DESIGNATED TO REMAIN, SAME

ALL NEW EQUIPMENT SHALL BE LABELED. THE PLASTIC LAMINATE LABELS SHALL BE MECHANICALLY ATTACHED TO THE EQUIPMENT. ADHESIVE LABELS ARE NOT

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.

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

20. ALL CONDUCTORS TO BE COPPER, UNLESS OTHERWISE NOTED.

. 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.

O O

ON PROPERTY.

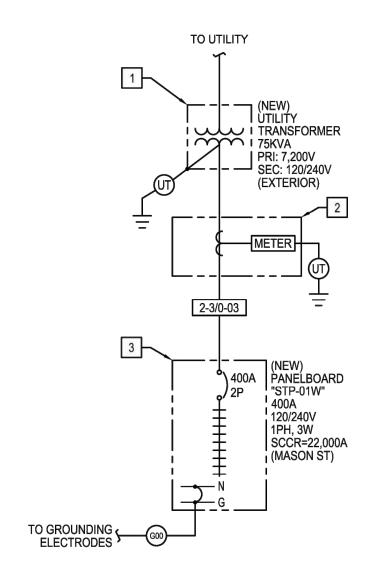


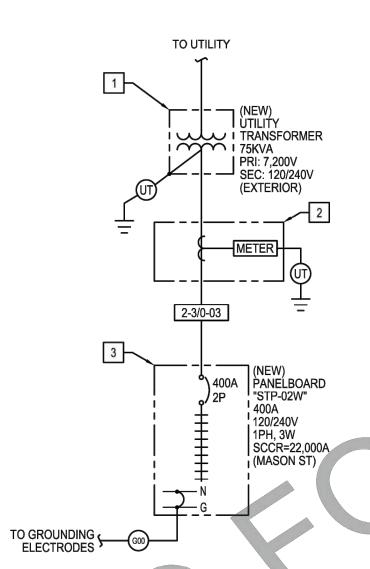
	REVISIONS		DRAWING INFO.	G INFO.
NO.	DESCRIPTION	ВУ	DATE FIELD BY:	
			DRAWN BY:	AJS
			CHECK BY:	JGR
			DATE:	09/12/25
			FIELD BOOK:	
			JOB NUMBER:	TAP-9901(440)
	CODVECUT ANDERSON ENCHREEDING			TAP-9901(443)

ELECTRIC SECTION 36, ODESSA,

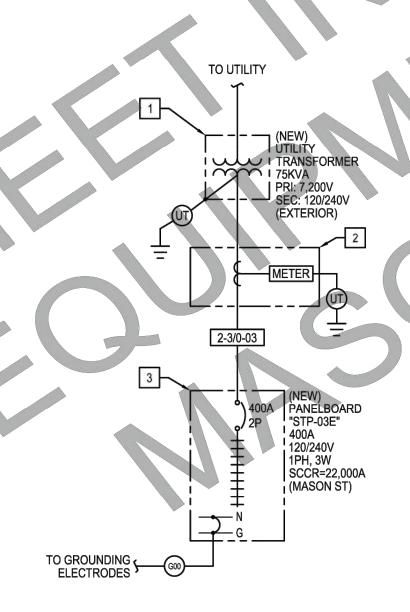
3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net ISG PROJECT NUMBER: 24-7733-0

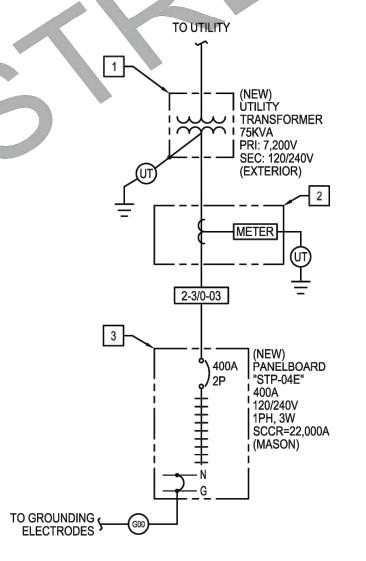
MO COA 2002005563 - Curtis L. Brungardt, P.E. 200301669





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.



- 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.
- 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.





	REVISIONS			DRAWING INFO.	G INFO.
NO.	DESCRIPTION	ВУ	DATE	FIELD BY:	
				DRAWN BY:	AJS
				CHECK BY:	JGR
				DATE:	09/12/25
				FIELD BOOK:	
				JOB NUMBER:	TAP-9901(440
	©COPYRIGHT ANDERSON ENGINEERING, INC. 2012				TAP-9901(443

3540 NE Ralph Powell Rd., Ste. B, Lee's Summit, MO 64064 (816) 228-3377 | www.lnSiteGroup.net