



PUBLIC WORKS
Engineering

DATE:
JULY 14, 2025

TO:
Plan Holders
Contractors

FROM:
Jenna Richardson
918-596-9637
jennarichardson@cityoftulsa.org

EMAIL TRANSMITTAL

ADDENDUM NO. 1

**PROJECT NO. 2036D0001Z, 2036D00062 & TMUA-W 23-13
ARTERIAL STREET RECONSTRUCTION E. 4TH ST. - S. DETROIT
AVE. TO S. LANSING AVE. ANDS. LANSING AVE. - E. 4TH ST. TO E.
2ND ST.**

Number of pages: **10**

All addenda to the contract documents should be denoted on the
last page of the Proposal in the space provided.

Thank you,
Contract Administration



PUBLIC WORKS
Engineering

DATE:
July 14, 2025

**ADDENDUM NO. 1
TO
PROJECT NO. 2036D0001Z, 2036D0006Z, TMUA-W 23-13
ARTERIAL STREET RECONSTRUCTION OF 4th ST – DETROIT AVE TO
LANSING AVE & LANSING AVE – 4th ST TO 2nd ST**

This Addendum No. 1 consisting of two (2) items, submitted by POE & Associates is hereby made a part of the Contract Documents to the same extent as though it were originally included therein and shall supersede anything contained in the Plans and Specifications with which it might conflict. **All addenda to the contract documents should be denoted on the last page of the Proposal in the space provided.**

This Addendum No. 1 consists of the following:

1. The attached documents list the detailed items that have been modified in Addendum No. 1. These documents shall be inclusive and apply to this project.
2. Delete the existing bid proposal form in its entirety and replace with the revised Bid Proposal located at:
<https://www.cityoftulsa.org/government/departments/public-works/engineering-services/construction-bids/>. It is the Bidder's responsibility to download the revised Bid Proposal.

All other provisions of the Plans and Specifications shall remain in full force and effect.

CITY OF TULSA


Paul D. Zachary, P.E.
Deputy Director


HAS/DDH/JR/ma



POE & ASSOCIATES, INC.

4606 S. Garnett Road, Suite 600
Tulsa, OK 74146

CONSULTING ENGINEERS

(918) 665.8800

www.poeandassociates.com

DATE:
July 14, 2025

**ADDENDUM NO. 1
TO
PROJECT NO. 2036D0001Z, 2036D0006Z, TMUA -W 23-13
ARTERIAL STREET RECONSTRUCTION OF
4TH ST – DETRIOT AVE TO LANSING AVE
& LANSING AVE – 4TH ST TO 2ND ST**

This Addendum No. 1 consists of two (2) items, submitted by Poe and Associates, Inc. is hereby made a part of the Contract Documents to the same extent as though it was originally included therein and shall supersede anything contained in the Plans and Specifications with which it might conflict.

This Addendum No. 1 consists of the following:

1. Replace Plan sheet No. 5 removed pay item No. 110 and added pay item note No. 36
2. Replace Plan sheet No. 13 removed pay item No. 110

All other provisions of the Plans and Specifications shall remain in full force and effect.

Poe and Associates, Inc.

Remington Maddox, P.E.
Project Manager

ELECTRONIC BID PROPOSAL INSTRUCTIONS - EXCEL SPREADSHEET
PROJECT NOS: 2036D0001Z, 2036D0006Z, & TWUA-W 23-13
ARTERIAL STREET RECONSTRUCTION
E. 4TH ST. FROM S. DETROIT AVE. TO S. LANSING AVE & S. LANSING AVE FROM E. 4TH ST. TO E. 2ND ST.

Please read the following instructions carefully.

1. After opening this file re-save it as your company's name.
2. Open the BID FORM Sheet from the tabs below.
3. Input the unit price of the appropriate pay item in the cells highlighted in blue.
4. Review all data input and check calculations to ensure accuracy of Bid.
5. Print 1hardcopy of the "PROPOSAL" tab, BID FORM and the "SIGNATURE PAGE" tab.
6. Complete and sign the "Signature Page" document.
6. Submit hardcopy and electronic disk with Contract Documents and Specifications for Bid opening date.

LEGEND

- \$ 1.00 Cells Requiring Data Input.
\$ 1.00 Internal Data Transfer.
\$ 2.00 Calculated Results.

AGREEMENT FOR USING ELECTRONIC BID PROPOSAL

By and Between: Poe & Associates, Inc., (ENGINEER) and RECIPIENT. The enclosed electronic media is provided pursuant to your request and is for your limited use in connection with your submittal of Bid Proposal for PROJECT NOS: 2036D0001Z, 2036D0006Z, & TWUA-W 23-13 - ARTERIAL STREET RECONSTRUCTION of E. 4TH ST. FROM S. DETROIT AVE. TO S. LANSING AVE & S. LANSING AVE FROM E. 4TH ST. TO E. 2ND ST.. In no event shall the information be used for any other purpose or be released to third parties without the written consent of the ENGINEER. In the event of a discrepancy between the hard copy and this electronic media at delivery or in the future, the hard copy shall govern. ENGINEER hereby disclaims any and all liability for the consequences from use of the electronic media and makes no warranty or guarantee of accuracy. RECIPIENT shall assume full responsibility for the uses and consequences of the electronic media. It is agreed that ENGINEER has and retains ownership of the electronic media. ENGINEER does not warrant or guarantee that the electronic data is compatible with RECIPIENT'S computer hardware or software, and ENGINEER'S responsibility for the electronic media is limited to replacement of defective media for a period of thirty (30) days after delivery to RECIPIENT. !!! By opening and using this FILE, You AGREE to these TERMS AND CONDITIONS!!!

PROPOSAL
PROJECT NOs: 2036D0001Z, 2036D0006Z, & TWUA-W 23-13
ARTERIAL STREET RECONSTRUCTION
E. 4TH ST. FROM S. DETROIT AVE. TO S. LANSING AVE & S. LANSING AVE FROM E. 4TH ST. TO E. 2ND ST.

TO: HONORABLE MAYOR
CITY OF TULSA, OKLAHOMA

THE UNDERSIGNED BIDDER, having carefully examined the drawings, specifications, and other Contract Documents of the above project presently on file in the City Clerk, City of Tulsa Oklahoma:

CERTIFIES THAT he has inspected the site of the proposed work and has full knowledge of the extent and character of the work involved, construction difficulties that may be encountered, and materials necessary for construction, class and type of excavation, and all other factors affecting or which may be affected by the specified work; and

CERTIFIES THAT he has not entered into collusion with any other bidder or prospective bidder relative to the project and/or bid; and

HEREBY PROPOSES: to enter into a contract to provide all necessary labor, materials, equipment and tools to completely construct and finish all the work required by the Contract Documents hereto attached and other documents referred to therein: to complete said work within **365** calendar days after the work order is issued; and to accept in full payment therefore the amount set forth below for all work actually performed as computed by the Engineer as set forth in the Contract.

Basis of Award

THE BID PROPOSAL INCLUDES A BASE BID FOR ROADWAY AND WATERLINE. THE BIDDER SHALL BID BOTH BASE BIDS. IT SHOULD BE NOTED THAT THE LOWEST RESPONSIBLE BID SHALL BE DETERMINED BY THE TOTAL BASE BID.

Note: - Item numbers omitted are not a part of the Contract.

PROPOSAL FOR
PROJECT NOS: 2036D0001Z, 2036D0006Z, & TWUA-W 23-13
ARTERIAL STREET RECONSTRUCTION
E. 4TH ST. FROM S. DETROIT AVE. TO S. LANSING AVE & S. LANSING AVE FROM E. 4TH ST. TO E. 2ND ST.

ITEM NUMBER	SPEC NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	DATA INPUT UNIT PRICE	AMOUNT
PAVING AND DRAINAGE QUANTITIES - BASE BID						
1	202(A)	UNCLASSIFIED EXCAVATION	CY	5,281		\$0.00
2	220	SWPPP DOCUMENTATION AND MANAGEMENT	LS	1		\$0.00
3	230(A)	SOLID SLAB SODDING	SY	925		\$0.00
4	303(A)	AGGREGATE BASE, TYPE A	CY	5,281		\$0.00
5	310(B)	SUBGRADE, METHOD B	SY	15,315		\$0.00
6	325	SEPARATOR FABRIC	SY	17,014		\$0.00
7	412	COLD MILLING PAVEMENT (2")	SY	250		\$0.00
8	414(B)	DOWEL JOINTED P.C.C. PAVT. (PLACEMENT)	SY	14,342		\$0.00
9	414(G)	P.C. CONCRETE PAVEMENT (9")	CY	3,586		\$0.00
10	511(A)	REINFORCING STEEL	LB	3,586		\$0.00
11	609	(PL) PARKING BLOCK	EA	9		\$0.00
12	609(B)	2'-2" COMBINED CURB AND GUTTER (6" BARRIER)	LF	2,765		\$0.00
13	610(A)	4" CONCRETE SIDEWALK	SY	1,825		\$0.00
14	610(B)	6" CONCRETE DRIVEWAY (H.E.S.)	SY	760		\$0.00
15	610(I)	TACTILE WARNING DEVICE	SF	178		\$0.00
16	611(A)	5' MANHOLE, COMPLETE IN PLACE (STORM)	EA	1		\$0.00
17	611(G)	INLET CICI DESIGN 2, COMPLETE IN PLACE	EA	5		\$0.00
18	613(A)	RCP, 15 INCH ROUND, COMPLETE IN PLACE	LF	28		\$0.00
19	613(A)	RCP, 18 INCH ROUND, COMPLETE IN PLACE	LF	90		\$0.00
20	612(A)	MANHOLES ADJUST TO GRADE	EA	25		\$0.00
21	612(C)	INLET ADJUSTED TO GRADE	EA	8		\$0.00
22	612(F)	VALVE BOXES ADJUSTED TO GRADE	EA	5		\$0.00
23	619(B)	REMOVAL OF PAVEMENT	SY	14,958		\$0.00
24	619(B)	REMOVAL OF DRIVEWAY	SY	773		\$0.00
25	619(B)	REMOVAL OF CURB AND GUTTER	LF	2,543		\$0.00
26	619(B)	REMOVAL OF SIDEWALK	SY	1,789		\$0.00
27	619(B)	REMOVAL OF CURB RAMP	EA	10		\$0.00
28	619(B)	REMOVAL OF DRAINAGE PIPE	LF	159		\$0.00
29	619(B)	REMOVAL OF DRAINAGE INLET	EA	5		\$0.00
30	619(B)	REMOVAL OF MANHOLE	EA	1		\$0.00
31	619(C)	SAWING PAVEMENT	LF	150		\$0.00
32	641	MOBILIZATION	EA	1		\$0.00
33	642	CONSTRUCTION STAKING LEVEL II	EA	1		\$0.00
34	805(A)	REMOVAL OF TRAFFIC ITEMS	LSUM	1		\$0.00
35	855(A)	TRAFFIC STRIPE(PLASTIC)(4" WIDE)	LF	11,375		\$0.00
36	855(A)	TRAFFIC STRIPE(PLASTIC)(8" WIDE)	LF	2,825		\$0.00
37	855(A)	TRAFFIC STRIPE(PLASTIC)(12" WIDE)	LF	130		\$0.00
38	855(A)	TRAFFIC STRIPE(PLASTIC)(24" WIDE)	LF	1,255		\$0.00
39	855(B)	TRAFFIC STRIPE(PLASTIC)(SYMBOLS, WORDS, ETC)	EA	43		\$0.00
40	857(C)	REMOVABLE PAVEMENT MARKING TAPE	LF	15,000		\$0.00
41	857(E)	CONSTRUCTION ZONE PAVEMENT MARKERS (FLEX TABS) TYPE 2-2	EA	1,000		\$0.00
42	857(F)	PAVEMENT MARKING REMOVAL	LF	10,000		\$0.00
43	COT 608	GROUND SIGN	SF	285		\$0.00
44	COT 608	1-1/2" SIGN POST	LF	16		\$0.00
45	COT 608	1-3/4" SIGN POST	LF	459		\$0.00
46	COT 608	2" SIGN POST	LF	129		\$0.00
47	880(A)	ARROW DISPLAY	SD	240		\$0.00
48	880(B)	SIGNS 0.00 TO 6.25 SF	SD	1,500		\$0.00
49	880(B)	SIGNS 6.26 TO 15.99 SF	SD	3,000		\$0.00
50	880(B)	SIGNS 16.00 AND UP	SD	3,000		\$0.00
51	880(C)	BARRICADES (TYPE III)	SD	3,000		\$0.00
52	880(E)	TYPE "A" WARNING LIGHT	SD	9,000		\$0.00
53	880(E)	TYPE "C" WARNING LIGHT	SD	10,000		\$0.00
54	880(F)	DRUMS	SD	10,000		\$0.00
55	880(G)	TUBE CHANNELIZERS	SD	10,000		\$0.00
56	880(I)	FLAGGER	SD	300		\$0.00
57	882(B)	REMOTE CONTROLLED CHANGEABLE MESSAGE SIGN	SD	240		\$0.00
58	SPECIAL	CURB RAMP	EA	14		\$0.00
59	SPECIAL	PROJECT SIGN (CITY OF TULSA)	EA	2		\$0.00
60	SPECIAL	URBAN RIGHT-OF-WAY RESTORATION	EA	1		\$0.00
61	SPECIAL	OWNER ALLOWANCE	EA	25,000	\$1.00	\$25,000.00
62	SPECIAL	SIGNAGE FOR LOCAL BUSINESS ACCESS (BAS-1)	SD	500		\$0.00
63	COT 202	QUICK SET FLOWABLE FILL	CY	500		\$0.00
64	COT 334	CONSTRUCTION AS-BUILTS	LS	1		\$0.00
65	COT 335	CONTRACTOR'S QUALITY CONTROL	LS	1		\$0.00
66	COT 626(A)	TRAFFIC SIGNAL MAINTENANCE	HR	1		\$0.00
67	COT 626(B)	SIGNAL MODIFICATIONS FOR LANE CLOSURES PER SIGNALIZED INTERSECTION	EA	1		\$0.00
68	SPECIAL	TRAFFIC SIGNAL INTERCONNECT (DOWNTOWN TRAFFIC COMMUNICATIONS)	ALLOW	40,000	\$1.00	\$40,000.00
SUBTOTAL FOR PAVING & DRAINAGE QUANTITIES						\$65,000.00

ITEM NUMBER	SPEC NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	DATA INPUT UNIT PRICE	AMOUNT
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BID ITEM	SPEC NO.	DESCRIPTION	UNIT	QTY	DATA INPUT UNIT PRICE	TOTAL EACH ITEM
WATERLINE QUANTITIES - BASE BID						
69	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	SY	465		\$0.00
70	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	CY	622		\$0.00
71	COT 304	CONSTRUCTION STAKING	EA	1		\$0.00
72	COT 307(A)	6 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	LF	163		\$0.00
73	COT 307(B)	6 INCH DIP, CL 50 POLYETHYLENE WRAPPED	LF	245		\$0.00
74	COT 307(C)	8 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	LF	143		\$0.00
75	COT 307(D)	8 INCH DIP, CL 50 POLYETHYLENE WRAPPED	LF	88		\$0.00
76	COT 307(E)	16 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	LF	664		\$0.00
77	COT 307(F)	16 INCH DIP, CL 50 POLYETHYLENE WRAPPED	LF	89		\$0.00
78	COT 312(A)	8 INCH DUCTILE IRON 22-1/2 DEGREE BEND (RJ)	EA	1		\$0.00
79	COT 312(B)	6 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	EA	2		\$0.00
80	COT 312(C)	8 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	EA	8		\$0.00
81	COT 312(D)	6 INCH X 8 INCH DUCTILE IRON TEE (RJ)	EA	2		\$0.00
82	COT 312(E)	8 INCH X 8 INCH DUCTILE IRON TEE (RJ)	EA	2		\$0.00
83	COT 312(F)	16 INCH X 8 INCH DUCTILE IRON TEE (RJ)	EA	2		\$0.00
84	COT 312(G)	16 INCH X 16 INCH DUCTILE IRON TEE (RJ)	EA	1		\$0.00
85	COT 312(H)	20 INCH X 16 INCH DUCTILE IRON TEE (RJ)	EA	1		\$0.00
86	COT 312(I)	6 INCH DUCTILE IRON SLEEVE (RJ)	EA	3		\$0.00
87	COT 312(J)	8 INCH DUCTILE IRON SLEEVE (RJ)	EA	3		\$0.00
88	COT 312(K)	16 INCH DUCTILE IRON SLEEVE (RJ)	EA	2		\$0.00
89	COT 312(L)	20 INCH DUCTILE IRON SLEEVE (RJ)	EA	2		\$0.00
90	COT 312(M)	6 INCH DUCTILE IRON PLUG (RJ)	EA	2		\$0.00
91	COT 312(N)	16 INCH DUCTILE IRON PLUG (RJ)	EA	1		\$0.00
92	COT 315 (A)	3/4" INCH WATER SERVICE CONNECTION (SHORT)	EA	1		\$0.00
93	COT 315 (B)	3/4" INCH WATER SERVICE CONNECTION (LONG)	EA	1		\$0.00
94	COT 315 (C)	3/4" INCH WATER SERVICE LINE EXTENSION	LF	100		\$0.00
95	COT 315 (D)	3/4" INCH WATER METER CAN, LID & RIM	EA	1		\$0.00
96	COT 315 (E)	1-1/2 INCH WATER SERVICE CONNECTION (SHORT)	EA	1		\$0.00
97	COT 315 (F)	1-1/2 INCH WATER SERVICE CONNECTION (LONG)	EA	1		\$0.00
98	COT 315 (G)	1-1/2 INCH WATER SERVICE LINE EXTENSION	LF	100		\$0.00
99	COT 315 (H)	1-1/2 INCH WATER METER CAN, LID & RIM	EA	1		\$0.00
100	COT 317(A)	6" GATE VALVE (RJ)	EA	5		\$0.00
101	COT 317(B)	8" GATE VALVE (RJ)	EA	4		\$0.00
102	COT 317(C)	16" GATE VALVE (RJ)	EA	6		\$0.00
103	COT 317(D)	20" GATE VALVE (RJ), LAY DOWN	EA	2		\$0.00
104	COT 317(E)	12 INCH FIRE HYDRANT EXTENSION	EA	1		\$0.00
105	COT 317(F)	3-WAY FIRE HYDRANT, IN PLACE	EA	1		\$0.00
106	COT 318(A)	VALVE BOX	EA	17		\$0.00
107	COT 318(B)	VALVE BOX EXTENSION	VF	17		\$0.00
108	COT 329(A)	PAVEMENT, REMOVAL AND REPLACEMENT (6" P.C.C. PAVEMENT)	SY	120		\$0.00
109	COT 329(B)	PAVEMENT, REMOVAL AND REPLACEMENT (CURB & GUTTER)	LF	10		\$0.00
110		NOT USED				
111	COT 333 (A)	ABANDON 6" WATERLINE	LF	408		\$0.00
112	COT 333 (B)	ABANDON 16" WATERLINE	LF	753		\$0.00
113	COT 334	CONSTRUCTION AS-BUILT	EA	1		\$0.00
114	SPECIAL	OWNER ALLOWANCE	EA	10,000	\$1.00	\$10,000.00
115	COT 312(P)	8 INCH X 6 INCH DUCTILE IRON REDUCER (RJ)	EA	1		
SUBTOTAL FOR WATERLINE QUANTITIES						\$10,000.00

TOTAL BASE BID

\$75,000.00

Enclosed is a () Bidder's Surety Bond, () Certified Check, () Cashier's Check for

_____ Dollars (\$ _____)
Figures

which the City of Tulsa may retain or recover as liquidated damages in the event that the undersigned fails to enter into contract for the work covered by this proposal., provided the Contract is awarded to the undersigned within thirty (30) days, or within ninety (90) days if Federal funds are utilized, from the date fixed for opening of bids and the undersigned fails to execute said Contract and furnish the required bonds and other requirements as called for in these Contract Documents within thirty (30) days after award of Contract.

Dated at Tulsa, Oklahoma, this _____ day of _____, 20__.

Respectfully submitted,

(Complete legal name of company)

(State of Organization)

By:

ATTEST:

Title: _____

Title: Corporate Secretary

(SEAL)

Address: _____

Telephone Number: _____

Fax Number: _____

The undersigned acknowledge receipt of the following Addenda (give number and date of each):

1:303913-03 4th LansingPlan SheetsWaterVWShug303913-03-Pay Quantity WL.dgn 7/14/2025 12:35:40 PM

SUMMARY OF WATER LINE QUANTITIES									
WATERLINE BASE BID									
ITEM	SPEC. NO.	ITEM DESCRIPTION	PAY ITEM NOTES				UNIT	QUANTITY	
69	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	4	5	6	7	22	SY	465
70	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	14					CY	622
71	COT 304	CONSTRUCTION STAKING						EA	1
72	COT 307(A)	6 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	1	2	3	8	9	11	27 28
73	COT 307(B)	6 INCH DIP, CL 50 POLYETHYLENE WRAPPED	1	2	3	9	11	27	28
74	COT 307(C)	8 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	1	2	3	8	9	11	27 28
75	COT 307(D)	8 INCH DIP, CL 50 POLYETHYLENE WRAPPED	1	2	3	9	11	27	28
76	COT 307(E)	16 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	1	2	3	8	9	11	27 28
77	COT 307(F)	16 INCH DIP, CL 50 POLYETHYLENE WRAPPED	1	2	3	9	11	27	28
78	COT 312(A)	8 INCH DUCTILE IRON 22-1/2 DEGREE BEND (RJ)	2	8				EA	1
79	COT 312(B)	6 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	2	8				EA	2
80	COT 312(C)	8 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	2	8				EA	8
81	COT 312(D)	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2	8				EA	2
82	COT 312(E)	8 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2	8				EA	2
83	COT 312(F)	16 INCH X 8 INCH DUCTILE IRON TEE (RJ)	2	8				EA	2
84	COT 312(G)	16 INCH X 16 INCH DUCTILE IRON TEE (RJ)	2	8				EA	1
85	COT 312(H)	20 INCH X 16 INCH DUCTILE IRON TEE (RJ)	2	8				EA	1
86	COT 312(I)	6 INCH DUCTILE IRON SLEEVE (RJ)	2	8	12			EA	3
87	COT 312(J)	8 INCH DUCTILE IRON SLEEVE (RJ)	2	8	12			EA	2
88	COT 312(K)	16 INCH DUCTILE IRON SLEEVE (RJ)	2	8	12			EA	2
89	COT 312(L)	20 INCH DUCTILE IRON SLEEVE (RJ)	2	8	12			EA	2
90	COT 312(M)	6 INCH DUCTILE IRON PLUG (RJ)	2	8				EA	2
91	COT 312(N)	16 INCH DUCTILE IRON PLUG (RJ)	2	8				EA	1
92	COT 315 (A)	3/4" INCH WATER SERVICE CONNECTION (SHORT)	13	15	16	17		EA	1
93	COT 315 (B)	3/4" INCH WATER SERVICE CONNECTION (LONG)	13	15	16	17		EA	1
94	COT 315 (C)	3/4" INCH WATER SERVICE LINE EXTENSION	13	15	16	17		LF	100
95	COT 315 (D)	3/4" INCH WATER METER CAN, LID & RIM						EA	1
96	COT 315 (E)	1-1/2 INCH WATER SERVICE CONNECTION (SHORT)	13	15	16	17		EA	1
97	COT 315 (F)	1-1/2 INCH WATER SERVICE CONNECTION (LONG)	13	15	16	17		EA	1
98	COT 315 (G)	1-1/2 INCH WATER SERVICE LINE EXTENSION	13	15	16	17		LF	100
99	COT 315 (H)	1-1/2 INCH WATER METER CAN, LID & RIM						EA	1
100	COT 317(A)	6" GATE VALVE (RJ)	8					EA	5
101	COT 317(B)	8" GATE VALVE (RJ)	8					EA	4
102	COT 317(C)	16" GATE VALVE (RJ)	8					EA	6
103	COT 317(D)	20" GATE VALVE (RJ), LAY DOWN	8					EA	2
104	COT 317(E)	12 INCH FIRE HYDRANT EXTENSION						EA	1
105	COT 317(F)	3-WAY FIRE HYDRANT, IN PLACE						EA	1
106	COT 318(A)	VALVE BOX	21					EA	17
107	COT 318(B)	VALVE BOX EXTENSION	21					VF	17
108	COT 329(A)	PAVEMENT, REMOVAL AND REPLACEMENT (6" P.C.C. PAVEMENT)	30	36				SY	120
109	COT 329(B)	PAVEMENT, REMOVAL AND REPLACEMENT (CURB & GUTTER)	35					LF	10
110		NOT USED							
111	COT 333 (A)	ABANDON 6" WATERLINE	5	9				LF	408
112	COT 333 (B)	ABANDON 16" WATERLINE	5	9				LF	753
113	COT 334	CONSTRUCTION AS-BUILT	24	25	27			EA	1
114	SPECIAL	OWNER ALLOWANCE	18					EA	10,000
115	COT 312(P)	8 INCH X 6 INCH DUCTILE IRON REDUCER (RJ)	2	8				EA	1

PAY ITEM NOTES - WATERLINES
version date: 1/30/25

TESTING AND CHLORINATION OF WATER MAINS SHALL BE PERFORMED BY THE CITY OF TULSA. TESTING, CHLORINATION, AND FLUSHING SHALL BE DONE IN ACCORDANCE WITH SECTION 109.3 OF THE GENERAL SPECIFICATIONS.

CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY PLUGS WITH ADEQUATE BLOCKING OR RESTRAINTS, PLUS CORPORATION STOPS, AS DIRECTED BY CITY TESTING PERSONNEL. THEN, ONCE TESTING, CHLORINATION AND FLUSHING BY CITY PERSONNEL IS COMPLETED, REMOVE TEMPORARY BLOCKING AND TIE INTO EXISTING SYSTEM USING FITTINGS SWABBED INTERNALLY WITH 2% BLEACH SOLUTION.

TESTING, CHLORINATION, AND FLUSHING OF NEW WATER MAIN SHALL BE PERFORMED BY CITY PERSONNEL ON MAINS WHICH ARE PHYSICALLY DISCONNECTED FROM THE EXISTING WATER SYSTEM. TESTING, CHLORINATION, AND FLUSHING OF NEW WATER MAINS SHALL NOT BE PERFORMED AGAINST VALVES WHICH ARE PHYSICALLY CONNECTED TO THE EXISTING SYSTEM.

ALL COSTS FOR TEMPORARY PLUGS, BLOCKING, RESTRAINING, CORPORATION STOPS, TUBING, THREADED CONNECTIONS, BLEACH AND OTHER INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.

BURIED BOLTS, HARNESS LUGS, AND COUPLINGS SHALL BE GIVEN TWO COATS OF KOPPER'S BITUMASTIC 300-M (DRY MIL THICKNESS OF 16 MILS) OR EQUAL. COST TO BE INCLUDED IN UNIT PRICE BID FOR PIPE AND FITTINGS.

CONTRACTOR TO EXCAVATE ALL UTILITY CROSSINGS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ON THE PROPOSED WATER MAIN TO AVOID UTILITY CONFLICTS. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. THE COST FOR EXCAVATING UTILITY CROSSINGS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.

CONTRACTOR SHALL INSURE ALL POLES WHICH ARE AFFECTED BY TRENCHING CONDITIONS ARE BRACED BY OWNERS. PAYMENT SHALL BE INCLUDED IN "RIGHT-OF-WAY CLEARING AND RESTORING". NO ADDITIONAL PAYMENT SHALL BE MADE.

ALL HYDRANTS, VALVES AND OTHER FITTINGS FROM ABANDONED WATER MAINS SHALL BE SALVAGED AND DELIVERED TO THE SOUTH YARD AT 2317 S JACKSON AVE. PAYMENT TO BE MADE UNDER RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.

CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS, ROOF DRAINS, AND FENCING DAMAGED IN THE ZONE OF CONSTRUCTION DURING THE COURSE OF CONSTRUCTION TO SATISFACTION OF THE PROPERTY OWNER. PAYMENT SHALL BE INCLUDED IN RIGHT-OF-WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.

COST OF ANY TEMPORARY LIVESTOCK FENCING AND POLES SHALL BE INCLUDED IN COST OF RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.

ALL COSTS FOR COMPONENTS NECESSARY TO RESTRAIN JOINTS FOR PIPE AND FITTINGS DESIGNATED RESTRAINED JOINT ("RJ") SHALL BE INCLUDED IN UNIT PRICE BID FOR PIPE OR FITTINGS.

A. DUCTILE IRON PIPE RESTRAINED JOINT SYSTEMS: US PIPE TRIFLEX, GRIFFIN SNAPLOK, MCWANE THRUSTLOCK, AMERICAN FLEXRING, EBAA MEGALUG, STAR STARGRIP, SMITH-BLAIR CAMLOCK, CLOW TUFGRIP OR EQUAL SHALL BE USED ON THIS PROJECT. SHOULD RJ PIPE BE SPECIFIED THROUGH UNCASED BORES, ONLY USPIPE TRIFLEX, GRIFFIN SNAPLOK, MCWANE THRUSTLOCK, OR AMERICAN FLEXRING IS TO BE USED. LOCKING GASKETS NOT PERMITTED.

B. POLYVINYL CHLORIDE (PVC) RESTRAINED JOINT SYSTEMS: EBAA MEGALUG, STAR STARGRIP OR EQUAL SHALL BE USED ON THIS PROJECT. LOCKING GASKETS NOT PERMITTED; SHOULD RJ PIPE BE SPECIFIED ON BORE CASING IS REQUIRED.

C. HIGH DENSITY POLYETHYLENE (HDPE) RESTRAINED JOINT SYSTEMS: EBAA MEGALUG, STAR STARGRIP OR EQUAL SHALL BE USED ON THIS PROJECT.

NO ADDITIONAL PAYMENT SHALL BE MADE.

PAY ITEM NOTES - WATERLINES
(CONTINUED)

9. ALL CUT ENDS AND WHERE SALVAGED FITTINGS HAVE BEEN REMOVED FROM ABANDONED WATER LINES LEFT IN PLACE, SHALL BE PLUGGED WITH 24-IN OF CONCRETE INSIDE THE PIPE. COST OF CONCRETE PLUGGING TO BE INCLUDED IN THE UNIT PRICE BID FOR PIPE. NO ADDITIONAL PAYMENT SHALL BE MADE.

10. NOT USED

11. DETECTABLE MYLAR MARKING TAPE SHALL BE INSTALLED OVER DUCTILE IRON PIPE AS PER CONST SPEC 307.3 AND 307.4. COST WILL BE INCLUDED IN THE COST OF DUCTILE IRON PIPE.

12. ALL LABOR, MATERIALS, AND EQUIPMENT TO CONNECT PROPOSED WATER MAINS TO EXISTING WATER MAINS ARE INCLUDED IN THE COST OF PIPE. CONTRACTOR TO EXCAVATE ALL EXISTING WATER MAINS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ACCORDINGLY. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. THE COST FOR EXCAVATING EXISTING WATER MAINS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SLEEVES. NO ADDITIONAL PAYMENT SHALL BE MADE.

13. AT THE DIRECTION OF THE ENGINEER, CONTRACTOR SHALL FURNISH A LICENSED AND BONDED PLUMBER, WHICH SHALL INCLUDE ALL COSTS OF LABOR, TOOLS, PERMIT FEES, AND EQUIPMENT TO REROUTE THE EXISTING CUSTOMER SERVICE ON CUSTOMER PROPERTY TO THE PROPOSED CUSTOMER METER CAN. COST SHALL NOT EXCEED AN ALLOWANCE OF \$1000 PER OCCURRENCE. MATERIALS COSTS SHALL BE INCLUDED UNDER THE UNIT PRICE FOR WATER SERVICE CONNECTION AND/OR WATER SERVICE LINE EXTENSION. NO ADDITIONAL PAYMENT SHALL BE MADE.

14. CONTRACTOR IS REMINDED TO BACKFILL ALL TRENCHES EXCAVATED ACROSS ANY EXISTING OR PROPOSED DRIVING OR PARKING SURFACE WITH 1 1/2 IN TYPE A AGGREGATE BASE, PLACED IN 8-INCH MAXIMUM LIFTS AND COMPACTED TO 98% MODIFIED PROCTOR DENSITY. COST TO BE INCLUDED IN THE UNIT PRICE FOR EXCAVATION AND BACKFILL. NO ADDITIONAL PAYMENT SHALL BE MADE.

15. WATER SERVICE CONNECTIONS SHALL INCLUDE COST OF MATERIAL, LABOR, AND EQUIPMENT TO REMOVE AND INSTALL SADDLES, SERVICE CLAMPS, CORPORATION STOPS, BENDS, 3-PART UNIONS, COUPLINGS, SETTERS AND ANY OTHER INCIDENTALS REQUIRED FOR A COMPLETE WATER SERVICE CONNECTION, WITH THE EXCEPTION OF METER CANS, RIMS AND LIDS. NO ADDITIONAL PAYMENT SHALL BE MADE. METER CANS, LIDS AND RIMS SHALL BE PAID AS A SEPARATE BID ITEM.

A. A SHORT SERVICE SHALL BE ANY SERVICE LINE THAT IS 25-FEET OR LESS IN LENGTH. SHORT SERVICES DO NOT INCLUDE PAVEMENT REPLACEMENT.

B. LONG SERVICE SHALL BE ANY SERVICE LINE THAT IS GREATER THAN 25-FEET UP TO 80-FEET IN LENGTH. LONG SERVICES INCLUDE PAVEMENT REPLACEMENT AND/OR COST TO BORE.

C. SERVICE LINES EXCEEDING THE ABOVE PARAMETERS WILL BE COMPENSATED FOR LINEAR FOOTAGE ABOVE AND BEYOND. COMPENSATION SHALL BE PAID AS "SERVICE LINES, EXTENSION", PER LF

16. SERVICE LINES ON NON-ARTERIALS SHALL BE EITHER COPPER TUBING (TYPE K SOFT ANNEALED CONFORMING TO ASTM B 88) OR PEX TUBING (MEGA PUREFLOW PEX BLUE 5306 OR UPONOR AQUA PEX 5206 BLUE CONFORMING TO ASTM F876/F877/F2023). PEX TUBING IS NOT PERMITTED WITHIN ARTERIAL RIGHT OF WAY. WHEN CONTRACTOR ELECTS TO USE PEX TUBING:

A. 3/4-INCH WATER SERVICE CONNECTION SHALL USE 1-INCH PEX TUBING MINIMUM
B. 1-INCH WATER SERVICE CONNECTION SHALL USE 1 1/2-INCH PEX TUBING MINIMUM

17. CONTRACTOR'S PLUMBER SHALL PROVIDE AN INFORMATIONAL BROCHURE TO THE PROPERTY OWNERS OUTLINING THE STEPS REQUIRED TO THOROUGHLY FLUSH THEIR WATERLINES AFTER CONNECTION TO THE NEW WATER MAIN. ALL COSTS TO PRODUCE AND DISTRIBUTE THE BROCHURE SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM.

18. THE "OWNER ALLOWANCE" CAN BE USED FOR VARIOUS WORK AND MISCELLANEOUS ITEMS NOT IDENTIFIED IN THE CONTRACT DOCUMENTS WITH THE FOLLOWING PROVISIONS:

A. THE ALLOWANCE SHALL BE USED FOR THE COST OF MATERIALS, LABOR, INSTALLATION, OVERHEAD, AND PROFIT FOR ADDITIONAL WORK AND MISCELLANEOUS ITEMS THAT ARE NOT IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND PLANS. AND NOT INCLUDED IN THE BID ITEMS OF THE CONTRACT. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO:

I. WATER SERVICE LINES OF UNKNOWN OR UNEXPECTED SIZE.

B. THE ALLOWANCE SHALL BE USED ONLY AT THE DISCRETION OF THE CITY. ANY ALLOWANCE BALANCE REMAINING AT THE COMPLETION OF THE PROJECT WILL BE CREDITED BACK TO THE CITY ON THE FINAL APPLICATION FOR PAYMENT SUBMITTED BY THE CONTRACTOR.

C. THE CONTRACTOR SHALL PROVIDE, TO THE CITY, A WRITTEN REQUEST FOR THE USE OF ANY ALLOWANCE, WITH A SCHEDULE OF VALUES, AND ALL ASSOCIATED BACKUP INFORMATION, INCLUDING ANY TIME EXTENSIONS REQUIRED TO PERFORM THE WORK.

D. THE CONTRACTOR SHALL PROCEED WITH THE WORK INCLUDED IN THE ALLOWANCE ONLY AFTER RECEIVING A WRITTEN ORDER FROM THE ENGINEER AND CITY AUTHORIZING SUCH WORK. PROCEEDING WITH WORK IN THE ALLOWANCE WITHOUT A WRITTEN ORDER FROM THE CITY WILL BE AT THE CONTRACTOR'S EXPENSE.

PAY ITEM NOTES - WATERLINES
(CONTINUED)

19. NOT USED

20. NOT USED

21. TOP OF VALVE BOX SHALL BE FLUSH WITH FINISHED GRADE.

22. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION. LIMITS OF DISTURBANCE SHALL NOT EXCEED 9- FEET CENTERED ON THE WATERLINE. ANY DISTURBANCE OUTSIDE OF THIS AREA SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. STREETS, DRIVEWAYS AND ASSOCIATED ITEMS SHALL BE PAID FOR UNDER OTHER ITEMS OF WORK.

23. NOT USED

24. SPOT ELEVATIONS ON THE MAIN WATER LINE RELATIVE TO FINISHED GRADE SHALL BE PROVIDED AT EACH 100-FT INTERVAL, COMPLETE WITH STATION AND OFFSET. IN ADDITION, ALL VALVES, FITTINGS, FIRE HYDRANTS (TOP OF NUT) AND OTHER MAJOR APPURTENANCE ITEMS SHALL BE SHOWN WITH THE PROPER DESCRIPTION, STATION, OFFSET (NORTHING, EASTING) AND ELEVATION PER PLAN SURVEY CONTROL DATUM.

25. SPOT ELEVATIONS ON WATER METER CANS, VAULTS, SHALL BE SHOWN WITH THE PROPER DESCRIPTION (METER TYPE, METER SIZE, METER NUMBER, SERVICE MATERIAL, SERVICE SIZE), STATION, OFFSET (NORTHING, EASTING) AND ELEVATION PER PLAN SURVEY CONTROL DATUM. UPON DISCOVERY OF A LEAD OR GALVANIZED SERVICE LINE, NOTIFICATION SHALL BE MADE TO WATER DISTRIBUTION AND WORK SHALL CEASE UNTIL RELEASED AT WHICH TIME ANY AND ALL SERVICE LINES LOCATED THAT ARE LEAD OR GALVANIZED ARE TO BE REPLACED WITH APPROVED MATERIALS.

26. NOT USED

27. PRESSURE TESTING AND CHLORINATION OF WATER MAINS SHALL NOT BE PERFORMED UNTIL THE CITY INSPECTOR HAS RECEIVED THE REQUIRED CONSTRUCTION AS-BUILT RECORDS.

28. MARKER BALLS SHALL BE INSTALLED ABOVE ALL FITTINGS, BLIND FLANGES, SERVICE TAPS AND EVERY 100 FEET IF THE DISTANCE BETWEEN FITTINGS IS GREATER THAN 100 FEET. THE COST OF MARKER BALLS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE. MARKERS SHALL BE VIVAX WATER MARKER BALLS OR EQUAL THAT WORK WITH THE VIVAX VLOC3-PRO RECEIVER AND LOC3-10TX TRANSMITTER.

29. NOT USED

30. AGG BASE AND SUBGRADE, PER CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS 701 - 702, SHALL BE PAID UNDER EXCAVATION AND BACKFILL.

31. NOT USED

32. NOT USED

33. NOT USED

34. NOT USED

35. NOT USED

36. THIS PAY ITEM SUPERSEDES CITY OF TULSA STANDARD SPECIFICATION SECTION 329.6, WITH RESPECT TO SAW CUTTING AND DOWELS, AND INCLUDES THE FOLLOWING (THESE ITEMS SHALL NOT BE PAID SEPARATELY):
A. SAW CUTTING
B. DOWELS
C. DISPOSAL OF BROKEN PAVEMENT
D. TEMPORARY SURFACES
E. ASSOCIATED EXCAVATION
F. PREPARATION OF SUBGRADE
G. FORMS OR REINFORCING
H. REMOVAL OR REPLACEMENT OF GRAVEL
I. ADDITIONAL SAW CUTTING OR REPLACEMENT OF PAVEMENT DAMAGED BY THE CONTRACTOR
J. JOINT SEALER, TACK COATS, OR EDGE SEALING

THIS PAY ITEM DOES NOT INCLUDE THE FOLLOWING WHICH SHALL BE PAID SEPARATELY IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS, DETAILS AND DRAWINGS:
1. CURB AND GUTTER

GENERAL PAY ITEM NOTES - WATERLINES

ITEMS LISTED OR SHOWN ON DRAWINGS AND/OR DESCRIBED IN THE SPECIFICATIONS THAT ARE NOT INCLUDED AS A SEPARATE PAY ITEM QUANTITY SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS. THE PRICE BID FOR ALL WORK SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, INCIDENTALS, AND ALL OTHER REQUIRED ITEMS TO COMPLETE THE WORK AS SHOWN ON PLANS AND SPECIFICATIONS.

WATERLINE CONSTRUCTION NOTES

- THE CITY OF TULSA FIELD ENGINEERING DEPARTMENT SHALL INSPECT ALL TRENCHING, BEDDING, PIPE INSTALLATION, BACKFILL AND COMPACTION.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS AND STANDARD DETAILS OF THE CITY OF TULSA ENGINEERING SERVICES DEPARTMENT.
- EXISTING SERVICE CONNECTIONS ARE TO BE KEPT IN SERVICE UNTIL CONNECTIONS TO NEW MAIN ARE MADE. ALL SERVICE LINE RECONNECTIONS SHALL BE MADE BY THE CONTRACTOR. SERVICE RECONNECTIONS SHALL BE INSTALLED AS PER CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS.
- MINIMUM COVER OVER WATER LINES SHALL BE AS NOTED ON THE PLANS.
- CONTRACTOR SHALL REPLACE EXISTING GRASS WITH SEED/SOD OF THE SAME TYPE AND VARIETY OR AS NOTED ON PLANS.
- CONTRACTOR SHALL BORE EXISTING TREES UNDER DRIP LINE, UNLESS DIRECTED OTHERWISE BY ENGINEER.
- CONTRACTOR SHALL BORE EXISTING DRIVEWAYS, UNLESS DIRECTED OTHERWISE BY ENGINEER.
- WATER OPERATIONS SHALL OPERATE ALL VALVES ON TRANSMISSION MAINS (16" AND LARGER). CONTRACTOR SHALL OPERATE ALL VALVES ON DISTRIBUTION MAINS (SMALLER THAN 16") WITH THE COORDINATION OF FIELD ENGINEERING AND WATER OPERATIONS AND IN THE PRESENCE OF A FIELD ENGINEERING INSPECTOR.
A. ATTEMPTS WILL BE MADE WITH ASSISTANCE FROM THE CONTRACTOR TO NOTIFY ALL AFFECTED CUSTOMERS 48 HOURS IN ADVANCE, PARTICULARLY IF COMMERCIAL OR INDUSTRIAL CUSTOMERS ARE INVOLVED. PRIOR TO SHUTDOWN, FIELD ENGINEERING WILL NOTIFY WATER OPERATIONS AT 918-596-9498, GIVING AN ESTIMATED DOWNTIME. WATER OPERATIONS WILL NOTIFY THE FIRE DEPARTMENT OF ALL FIRE HYDRANTS OUT OF SERVICE AND WHEN THEY ARE BACK IN SERVICE, BY STREET ADDRESS OR INTERSECTION.
B. WHERE COMMERCIAL, INDUSTRIAL, OR CRITICAL CUSTOMERS ARE AFFECTED, AND FOR ALL LINES 16-INCH AND LARGER IN SIZE, FIELD ENGINEERING WILL REQUEST WATER OPERATIONS TO SHUT DOWN THE MAIN. THERE WILL BE A MINIMUM OF 48-HOUR NOTICE TO WATER OPERATIONS.
- CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO ALL RESIDENTS OR BUSINESSES AFFECTED BEFORE TURNING OFF ANY WATER. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING DOOR HANGERS ON AFFECTED HOMES AND BUSINESSES.
- CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF THE OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO LATER THAN 48 HOURS OR SOONER THAN 10 DAYS PRIOR TO COMMENCEMENT OF WORK (EXCLUDING SATURDAYS, SUNDAYS, LEGAL HOLIDAYS). PHONE: 1-800-522-6543.
- LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH PROJECT AT ALL TIMES. OPEN CUT STREET CROSSINGS REQUIRE AN APPROVED TRAFFIC CONTROL PLAN WITH TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH CURRENT MUTCD REQUIREMENTS.
- ANY DAMAGE CAUSED BY THE CONTRACTOR TO ADJACENT TRAFFIC SIGNAL INFRASTRUCTURE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE TRAFFIC ENGINEER.
- PRIOR TO PAVEMENT SAWING AND EXCAVATION NEAR SIGNALIZED INTERSECTION, CONTRACTOR SHALL CONTACT ENGINEERING SERVICES AND TRAFFIC OPERATIONS (918-596-9766) FOR SITE SPECIFIC, UNDERGROUND TRAFFIC UTILITY LOCATES.
- CONSTRUCTION FOR ALL ENGINEERING SERVICE FACILITIES SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF TITLE 252, DEPARTMENT OF ENVIRONMENTAL QUALITY, CHAPTER 626, PUBLIC WATER SUPPLY CONSTRUCTION STANDARDS, OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ).
- ALL EXCAVATED MATERIAL NOT REQUIRED IN OTHER AREAS OF THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY EXCESS MATERIAL IS TO BE DISPOSED OF WITHIN THE CITY LIMITS OF TULSA.
- ANY CHANGES FROM THE APPROVED PLANS SHALL BE SUBMITTED TO THE CITY OF TULSA FOR WRITTEN APPROVAL PRIOR TO INSTALLATION.

TWUA-W 23-13

PAY QUANTITIES & NOTES (WATERLINE)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE	PLAN SCALE	DRAWN	FOE	1/2023	APPROVED
REMOVED PAY ITEM 110	POE	7/2/2025	NA	DESIGNED	FOE	1/2023	
ADDED NOTE 35	POE	7/2/2025	NA	SURVEY			
			PROFILE SCALE	PROJ. MGR			
			HORIZONTAL	LEADENOR			
			VERTICAL	FIELD LAGR			
			NA	RECOMMENDED			
			FILE	DESIGN MANAGER			
			FILE	303913-03 PAY QUANTITY_WA.DGN			
			ATLAS PAGE NO	18			

7-14-25

SUMMARY OF WATER LINE QUANTITIES

				Waterline "A"		W/L "B"		W/L "C"	
ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	SHT 1	SHT 2	SHT 3	SHT 4	TOTAL	
SUMMARY OF WATERLINE QUANTITIES BASE BID									
69	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	SY	161	101	67	136	465	
70	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	CY	215	135	90	182	622	
71	COT 304	CONSTRUCTION STAKING	EA					1	
72	COT 307(A)	6 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	LF				163	163	
73	COT 307(B)	6 INCH DIP, CL 50 POLYETHYLENE WRAPPED	LF				245	245	
74	COT 307(C)	8 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	LF	31		112		143	
75	COT 307(D)	8 INCH DIP, CL 50 POLYETHYLENE WRAPPED	LF			88		88	
76	COT 307(E)	16 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	LF	411	253			664	
77	COT 307(F)	16 INCH DIP, CL 50 POLYETHYLENE WRAPPED	LF	39	50			89	
78	COT 312(A)	8 INCH DUCTILE IRON 22-1/2 DEGREE BEND (RJ)	EA			1		1	
79	COT 312(B)	6 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	EA				2	2	
80	COT 312(C)	8 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	EA	6		2		8	
81	COT 312(D)	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	EA				2	2	
82	COT 312(E)	8 INCH X 6 INCH DUCTILE IRON TEE (RJ)	EA			2		2	
83	COT 312(F)	16 INCH X 8 INCH DUCTILE IRON TEE (RJ)	EA	2				2	
84	COT 312(G)	16 INCH X 16 INCH DUCTILE IRON TEE (RJ)	EA	-	1			1	
85	COT 312(H)	20 INCH X 16 INCH DUCTILE IRON TEE (RJ)	EA	1	-			1	
86	COT 312(I)	6 INCH DUCTILE IRON SLEEVE (RJ)	EA			1	2	3	
87	COT 312(J)	8 INCH DUCTILE IRON SLEEVE (RJ)	EA	2		1		3	
88	COT 312(K)	16 INCH DUCTILE IRON SLEEVE (RJ)	EA	-	2			2	
89	COT 312(L)	20 INCH DUCTILE IRON SLEEVE (RJ)	EA	2	-			2	
90	COT 312(M)	6 INCH DUCTILE IRON PLUG (RJ)	EA			1	1	2	
91	COT 312(N)	16 INCH DUCTILE IRON PLUG (RJ)	EA	1				1	
92	COT 315 (A)	3/4" INCH WATER SERVICE CONNECTION (SHORT)	EA				1	1	
93	COT 315 (B)	3/4" INCH WATER SERVICE CONNECTION (LONG)	EA				1	1	
94	COT 315 (C)	3/4" INCH WATER SERVICE LINE EXTENSION	LF				100	100	
95	COT 315 (D)	3/4" INCH WATER METER CAN, LID & RIM	EA				1	1	
96	COT 315 (E)	1-1/2 INCH WATER SERVICE CONNECTION (SHORT)	EA				1	1	
97	COT 315 (F)	1-1/2 INCH WATER SERVICE CONNECTION (LONG)	EA				1	1	
98	COT 315 (G)	1-1/2 INCH WATER SERVICE LINE EXTENSION	LF				100	100	
99	COT 315 (H)	1-1/2 INCH WATER METER CAN, LID & RIM	EA				1	1	
100	COT 317(A)	6" GATE VALVE (RJ)	EA			2	3	5	
101	COT 317(B)	8" GATE VALVE (RJ)	EA	2		2		4	
102	COT 317(C)	16" GATE VALVE (RJ)	EA	3	3			6	
103	COT 317(D)	20" GATE VALVE (RJ), LAY DOWN	EA	2	-			2	
104	COT 317(E)	12 INCH FIRE HYDRANT EXTENSION	EA				1	1	
105	COT 317(F)	3-WAY FIRE HYDRANT, IN PLACE	EA				1	1	
106	COT 318(A)	VALVE BOX	EA	7	3	4	3	17	
107	COT 318(B)	VALVE BOX EXTENSION	VF	7	3	4	3	17	
108	COT 329(A)	PAVEMENT, REMOVAL AND REPLACEMENT (6" P.C.C. PAVEMENT)	SY	100			20	120	
109	COT 329(B)	PAVEMENT, REMOVAL AND REPLACEMENT (CURB & GUTTER)	LF				10	10	
110	NOT USED								
111	COT 333 (A)	ABANDON 6" WATERLINE	LF				408	408	
112	COT 333 (B)	ABANDON 16" WATERLINE	LF	450	303			753	
113	COT 334	CONSTRUCTION AS-BUILT	EA	-	-			1	
114	SPECIAL	OWNER ALLOWANCE	EA	-	-			10,000	
115	COT 312(P)	8 INCH X 6 INCH DUCTILE IRON REDUCER (RJ)	EA	-	-	1		1	

SUMMARY OF VALVES & HYDRANTS

WATERLINE	STATION	NORTHING	EASTING	TYPE	QUANTITY	OFFSET	ELEVATION
A	50+00.50	426147.54	2562752.68	20" GATE VALVE	1	3' RT	731
A	50+00.50	426147.54	2562752.68	20" GATE VALVE	1	3' LT	731
A	50+00.50	426147.54	2562752.68	16" GATE VALVE	1	-	731
A	53+67.07	426299.30	2563086.34	16" GATE VALVE	1	-	718
A	53+67.07	426299.30	2563086.34	8" GATE VALVE	1	3' RT	718
A	53+74.95	426302.55	2563093.51	8" GATE VALVE	1	3' LT	718
A	53+74.95	426302.55	2563093.51	16" GATE VALVE	1	-	718
A	57+53.05	4264259.10	2563437.67	16" GATE VALVE	1	-	711
A	57+53.05	4264259.10	2563437.67	16" GATE VALVE	1	3' RT	711
A	57+53.05	4264259.10	2563437.67	16" GATE VALVE	1	3' LT	711
B	33+57.39	426857.26	2564494.38	8" GATE VALVE	1	-	710
B	33+57.39	426857.26	2564494.38	6" GATE VALVE	1	3' LT	710
B	33+79.03	426857.66	2564516.01	8" GATE VALVE	1	-	710
B	33+79.03	426857.66	2564516.01	6" GATE VALVE	1	3' RT	710
C	43+02.96	427190.53	2564513.71	3-WAY FIRE HYDRANT	1	25.59' RT	706
C	43+53.29	427240.38	2564487.18	6" GATE VALVE	1	-	706
C	43+53.29	427240.38	2564487.18	6" GATE VALVE	1	3' RT	706
C	43+53.29	427240.38	2564487.18	6" GATE VALVE	1	3' LT	706

SUMMARY OF WATER METERS

WATERLINE	STATION	OFFSET	ADDRESS	SERVICE SIZE	METER CAN SIZE	METER SERIAL NUMBER
C	41+36.73	17.13 LT	817 E 4TH STREET	1.5"	1.5"	172108 1010 001
C	42+81.64	21.16 LT	308 S LANSING AVENUE	3/4"	3/4"	172107 1010 001

RESTRAINED JOINT LENGTH (FEET)	
6" 45° (VERT.)	29.0
8" 22.5° (HORZ.)	10.0
8" 45° (HORZ.)	20.0
8" 45° (VERT.)	38.0
6" TEE	10.0
6" VALVE	89.0
8" VALVE	90.0
16" VALVE	164.0
20" VALVE	199.0

CALCULATED USING THRUST RESTRAINT CALCULATOR FOUND HERE:
<https://ric.ebaa.com/calculator.php>
 INPUTS: TYPE 4, CL. 4' COVER, 150 PSI, AND 1.5 SAFETY FACTOR. ALL LENGTHS ARE POLYWRAPPED.

TWUA-W 23-13

SUMMARIES (WATERLINE)

CBD STREET REHABILITATION
 4TH ST./LANSING AVE
 PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY
POE & ASSOCIATES INC.
 Tulsa, Oklahoma

REVISION	BY	DATE	PLANS/SCALE	DRAWN	POE	1/2/23	APPROVED
REMOVED PAY ITEM 110	POE	7/2025	NA	DESIGNED	POE	1/2/23	
			PROFILE SCALE	PROJ MGR			
			HORIZONTAL NA	LEAD ENGR			
			VERTICAL NA	FIELD MGR			
			NA	RECOMMENDED			
			NA	DESIGN MANAGER			
			FILE 203613-03 PAY QUANTITY_ML.DGN				
			ATLAS PAGE NO 18				

CITY ENGINEER
 DATE
 SHEET 13 OF 63 SHEETS



7-14-25