



Date: September 29, 2022

To: Darrell Pyle, City Manager

Through: Chris Mattingly, P.E., Director of Utilities *CM*

From: Rachel Croft, Staff Engineer *RC*

Subject: Contract K-2021-61 – Change Order No. 2  
Project WA0354 Phase II Porter Avenue Waterline Replacement

On February 22, 2022, the Norman Utilities Authority approved Contract K-2122-48 with Cimarron Construction Company LLC for the construction of Project WA0354 – Phase II Porter Ave Waterline Replacement in the amount of \$2,039,328.00. The project will install approximately 4,893 feet of 6, 8, and 12-inch water line between Alameda Street and Gray Street and between Rich Street and Robinson Street. This project is being completed prior to surface improvements that are part of the Public Works Department Porter Ave Streetscape project. Replacement of these waterlines will reduce the likelihood that the surface improvements have to be removed and replaced for any future waterline replacement work.

During construction of the project, contaminated soils from leaking underground storage tanks were discovered at multiple intersections. These intersections require the use of special fittings and gaskets to protect the water supply in the new line. In addition, HDPE service lines will be replaced with copper service lines for this same reason, and one street crossing being changed from a bore with casing using C900 PVC to a horizontal direction drill method with fusible PVC for easier installation. Change Order No. 1 created new pay items to facilitate the work required to accommodate the change of materials needed and was approved by the City Manager on July 5, 2022. The overall change to the contract price for this change order was \$25,285.00 or 1.24 percent over the original contract price of \$2,039,328.00 for a new contract price of \$2,064,613.00.

In addition, due to traffic flows across Robinson Street and limited space that could affect operations to Braum's, the waterline was moved to the west side of Porter and additional footage is required in order to tie in to the existing waterline north of McDonald's driveway. Instead of installing this line as a bore with casing, this line will be installed by horizontal directional drill method in order to limit the amount of space disturbed and will allow Robinson to remain completely functional without any lane closures. Change Order No. 2 reflects these changes and additional work. Since the additional work is approximately 5.25% more than the current contract, lump sum items were increased by this percentage.

For Change Order No. 2, the overall change to the contract price is \$38,535.00 or 1.89% over the original contract price, for a new contract number of \$2,103,148.00. There is \$79,747.39 available in the project account (WA0354-CONST) 31996683-46101, which is sufficient for funding this change order. Pursuant to Resolution No. R-1112-55 since the change order is less than \$40,000, the City Manager may approve this item and approval by the City Council is not required. Approval of Change Order No. 2 is recommended.

cc: Nathan Madenwald, P.E., Utilities Engineer  
Brenda Hall, City Clerk  
File

office memorandum

NORMAN UTILITIES AUTHORITY  
CITY OF NORMAN  
CLEVELAND COUNTY, OKLAHOMA

DATE:

CHANGE ORDER NO.:

CONTRACT NO.:

PROJECT:

CONTRACTOR:

Two (2)

K-2122-48

WA0354 - Porter Avenue Phase II Waterline Replacement Project

Cimarron Construction Company

3501 NE 63rd Street, Oklahoma City, OK 73121

	<u>Contract Time</u>		<u>Contract Amount</u>	
ORIGINAL:	123	calendar days	\$2,039,328.00	
PREVIOUS CHANGE ORDERS:	0	calendar days	\$25,285.00	
THIS CHANGE ORDER:	0	calendar days	\$39,735.00	1.95%
REVISED AMOUNT:	123	calendar days	\$2,104,348.00	

ORIGINAL START DATE: March 14, 2022  
ORIGINAL COMPLETION DATE: July 15, 2022  
PREVIOUS COMPLETION DATE: July 15, 2022  
NEW COMPLETION DATE: July 15, 2022

DESCRIPTION:	Increase / Decrease (\$)
Item 1: Increase and decrease existing pay items to modify original bid quantities to match as-built conditions and for the addition of 420 feet north of Robinson Street.	39,735.00
Cimarron Construction Company agrees to complete the work as amended and modified by Change Order No. 2 as described above.	

SUBMITTED BY  
CONTRACTOR:

  
Cimarron Construction Company

Date: 9-26-22

RECOMMENDED BY  
ENGINEER:

  
Sean Price, P.E., Garver

Date: 9-27-22

APPROVED AS TO FORM  
AND LEGALITY:

  
City Attorney

Date: 10-3-22

ACCEPTED BY  
NORMAN UTILITIES AUTHORITY:

  
City Manager

Date: 10-4-22

Bid Item	Description	Units	Original Contract		Original Contract Amount	Proposed Quantity Increase/ Decrease	Cost Increase / Decrease		Percent Change
			Amount	Unit Price			Decrease		
1	(12-INCH) POLYVINYL CHLORIDE PIPE (DR-18) BY OPEN TRENCH	LF	830	\$ 130.00	\$ 107,900.00	-110	-\$14,300.00		-13%
2	(8-INCH) POLYVINYL CHLORIDE PIPE (DR-18) BY OPEN TRENCH	LF	378	\$ 100.00	\$ 37,800.00	-50	-\$5,000.00		-13%
3	(6-INCH) POLYVINYL CHLORIDE PIPE (DR-18) BY OPEN TRENCH	LF	152	\$ 85.00	\$ 12,920.00	0	\$0.00		0%
4	(4-INCH) POLYVINYL CHLORIDE PIPE (DR-18) BY OPEN TRENCH	LF	20	\$ 70.00	\$ 1,400.00	0	\$0.00		0%
5	BORING WITH STEEL CASING PIPE (12-INCH CARRIER)	LF	64	\$ 570.00	\$ 36,480.00	-64	-\$36,480.00		-100%
6	BORING WITH STEEL CASING PIPE (8-INCH CARRIER)	LF	38	\$ 525.00	\$ 19,950.00	0	\$0.00		0%
7	FIRE HYDRANT ASSEMBLY	EA	12	\$ 7,400.00	\$ 88,800.00	0	\$0.00		0%
8	REMOVE FIRE HYDRANT	EA	11	\$ 500.00	\$ 5,500.00	0	\$0.00		0%
9	CONSTRUCT FDC CONNECTION	EA	2	\$ 18,600.00	\$ 37,200.00	0	\$0.00		0%
10	16-INCH X 12-INCH TAPPING SLEEVE	EA	1	\$ 6,200.00	\$ 6,200.00	0	\$0.00		0%
11	12-INCH GATE VALVE AND BOX	EA	35	\$ 3,500.00	\$ 122,500.00	0	\$0.00		0%
12	8-INCH GATE VALVE AND BOX	EA	11	\$ 2,100.00	\$ 23,100.00	0	\$0.00		0%
13	6-INCH GATE VALVE AND BOX	EA	3	\$ 1,300.00	\$ 3,900.00	0	\$0.00		0%
14	WET CONNECTION (12-INCH)	EA	10	\$ 4,800.00	\$ 48,000.00	0	\$0.00		0%
15	WET CONNECTION (8-INCH)	EA	2	\$ 3,600.00	\$ 7,200.00	0	\$0.00		0%
16	WET CONNECTION (6-INCH)	EA	7	\$ 2,900.00	\$ 20,300.00	0	\$0.00		0%
17	WET CONNECTION (4-INCH)	EA	1	\$ 1,900.00	\$ 1,900.00	0	\$0.00		0%
18	12-INCH 22.5 DEGREE BEND (MJ)	EA	1	\$ 970.00	\$ 970.00	0	\$0.00		0%
19	12-INCH 45 DEGREE BEND (MJ)	EA	37	\$ 1,500.00	\$ 55,500.00	-2	-\$3,000.00		-5%
20	12-INCH 90 DEGREE BEND (MJ)	EA	2	\$ 1,500.00	\$ 3,000.00	0	\$0.00		0%
21	8-INCH 90 DEGREE BEND (MJ)	EA	2	\$ 730.00	\$ 1,460.00	0	\$0.00		0%
22	8-INCH 45 DEGREE BEND (MJ)	EA	10	\$ 680.00	\$ 6,800.00	0	\$0.00		0%
23	6-INCH 45 DEGREE BEND (MJ)	EA	8	\$ 526.50	\$ 4,212.00	0	\$0.00		0%
24	4-INCH 45 DEGREE BEND (MJ)	EA	2	\$ 400.00	\$ 800.00	0	\$0.00		0%
25	12-INCH 12-INCH CROSS (MJ)	EA	3	\$ 2,900.00	\$ 8,700.00	0	\$0.00		0%
26	12-INCH X 8-INCH CROSS (MJ)	EA	1	\$ 2,400.00	\$ 2,400.00	0	\$0.00		0%
27	12-INCH X 12-INCH TEE (MJ)	EA	4	\$ 2,000.00	\$ 8,000.00	0	\$0.00		0%
28	12-INCH X 8-INCH TEE (MJ)	EA	4	\$ 1,800.00	\$ 7,200.00	0	\$0.00		0%
29	12-INCH X 8-INCH REDUCER (MJ)	EA	2	\$ 730.00	\$ 1,460.00	0	\$0.00		0%
30	12-INCH X 6-INCH REDUCER (MJ)	EA	2	\$ 700.00	\$ 1,400.00	0	\$0.00		0%
31	8-INCH X 6-INCH REDUCER (MJ)	EA	5	\$ 500.00	\$ 2,500.00	0	\$0.00		0%
32	8-INCH X 4-INCH REDUCER (MJ)	EA	1	\$ 460.00	\$ 460.00	0	\$0.00		0%
33	12-INCH CAP AND PLUG EXISTING WATERLINE(MJ)	EA	18	\$ 2,500.00	\$ 45,000.00	0	\$0.00		0%
34	8-INCH CAP AND PLUG EXISTING WATERLINE (MJ)	EA	2	\$ 1,835.00	\$ 3,670.00	0	\$0.00		0%
35	6-INCH CAP AND PLUG EXISTING WATERLINE (MJ)	EA	7	\$ 1,300.00	\$ 9,100.00	0	\$0.00		0%
36	4-INCH CAP AND PLUG EXISTING WATERLINE (MJ)	EA	1	\$ 1,200.00	\$ 1,200.00	0	\$0.00		0%
37	1-INCH WATER SINGLE SHORT SERVICE (SSS)	EA	8	\$ 2,400.00	\$ 19,200.00	0	\$0.00		0%
38	1.5-INCH WATER SINGLE SHORT SERVICE (SSS)	EA	2	\$ 4,400.00	\$ 8,800.00	0	\$0.00		0%
39	1-INCH WATER SINGLE LONG SERVICE (SLS)	EA	5	\$ 3,200.00	\$ 16,000.00	0	\$0.00		0%
40	1.5-INCH WATER SINGLE LONG SERVICE (SLS)	EA	3	\$ 5,100.00	\$ 15,300.00	0	\$0.00		0%
41	WATER METER RELOCATION	EA	10	\$ 1,000.00	\$ 10,000.00	0	\$0.00		0%
42	REMOVE AND REPLACE ADA TACTILE WARNING	EA	8	\$ 4,300.00	\$ 34,400.00	0	\$0.00		0%
43	REMOVE AND REPLACE RETAINING WALL	LF	30	\$ 130.00	\$ 3,900.00	0	\$0.00		0%
44	REMOVE BOLLARDS AND PROTECTICE RAILING	LS	1	\$ 500.00	\$ 500.00	0	\$0.00		0%
45	PRE-/POST-CONSTRUCTION AUDIO/VIDEO RECORDING	LS	1	\$ 5,000.00	\$ 5,000.00	0.0525	\$262.50		5%
46	SEDIMENT AND EROSION CONTROL	LS	1	\$ 5,000.00	\$ 5,000.00	0.0525	\$262.50		5%
47	CONSTRUCTION TRAFFIC CONTROL	LS	1	\$ 52,000.00	\$ 52,000.00	0.0525	\$2,730.00		5%
48	CONSTRUCTION STAKING (CONSTRUCTION SURVEY)	LS	1	\$ 28,000.00	\$ 28,000.00	0.0525	\$1,470.00		5%
49	MOBILIZATION/DEMOLITION AND INSURANCE (5% MAX OF THE CONTRACT PRI	LS	1	\$ 100,000.00	\$ 100,000.00	0.0525	\$5,250.00		5%
B1	(12-INCH) FUSIBLE PVC (DR-18) BY HORIZONTAL DIRECTIONAL DRILLING	LF	3431	\$ 213.00	\$ 730,803.00	420	\$89,460.00		12%
B2	REMOVE AND REPLACE CURB & GUTTER	LF	162	\$ 40.00	\$ 6,480.00	-5	-\$200.00		-3%
B3	REMOVE AND REPLACE CURB	LF	317	\$ 36.00	\$ 11,412.00	0	\$0.00		0%
B4	REMOVE PAVEMENT (ASPHALT)	SY	503	\$ 10.00	\$ 5,030.00	0	\$0.00		0%
B5	REMOVE PAVEMENT (CONCRETE)	SY	604	\$ 10.00	\$ 6,040.00	0	\$0.00		0%
B6	REMOVE PAVEMENT (BRICK PAVERS)	SY	6	\$ 10.00	\$ 60.00	0	\$0.00		0%
B7	REPLACE PAVEMENT (ASPHALT)	SY	503	\$ 227.00	\$ 114,181.00	0	\$0.00		0%
B8	REPLACE PAVEMENT (CONCRETE)	SY	604	\$ 195.00	\$ 117,780.00	0	\$0.00		0%
B9	REPLACE PAVEMENT (BRICK PAVERS)	SY	6	\$ 110.00	\$ 660.00	0	\$0.00		0%
B10	SOLID SLAB SODDING	SY	650	\$ 6.00	\$ 3,900.00	-120	-\$720.00		-18%
SUBTOTAL					\$ 2,039,328.00		\$39,735.00		2%
CHANGE ORDER PAY ITEMS									
CO1-1	12-INCH FUSIBLE PVC BY OPEN TRENCH	LF	0	\$ 150.00	\$0.00	200	\$ 30,000.00		N/A
CO1-2	12-INCH MJ NITRILE GASKET	EA	0	\$ 108.50	\$0.00	65	\$ 7,052.50		N/A
CO1-3	8-INCH MJ NITRILE GASKET	EA	0	\$ 64.85	\$0.00	10	\$ 648.50		N/A
CO1-4	6-INCH MJ NITRILE GASKET	EA	0	\$ 44.85	\$0.00	20	\$ 897.00		N/A
CO1-5	1-INCH COPPER SERVICE LINE	LF	0	\$ 9.85	\$0.00	500	\$ 4,925.00		N/A
CO1-6	1.5-INCH COPPER SERVICE LINE	LF	0	\$ 13.53	\$0.00	500	\$ 6,765.00		N/A
CO1-7	8-INCH FUSIBLE PVC BY HDD	LF	0	\$ 198.50	\$0.00	40	\$ 7,940.00		N/A
SUBTOTAL					\$0.00		\$ 58,228.00		2.86%

Original Contract Amount	\$ 2,039,328.00	
Change Order No. 1	\$ 25,285.00	1.24%
Change Order No. 2	\$ 39,735.00	1.95%
Final Contract Amount	\$ 2,104,348.00	