



office memorandum

Date: June 27, 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. 1
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. This change order creates new pay items to facilitate the work required to accommodate the change of materials needed.

The overall change to the contract price is \$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. There is \$105,808.64 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. 1 is recommended.

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

NORMAN UTILITIES AUTHORITY
CITY OF NORMAN
CLEVELAND COUNTY, OKLAHOMA

DATE:

CHANGE ORDER NO.:

CONTRACT NO.:

PROJECT:

CONTRACTOR:

One (1)

K-2122-48

WA0354 - Porter Avenue Phase II Waterline Replacement Project

Cimarron Construction Company

3501 NE 63rd Street, Oklahoma City, OK 73121

	Contract Time		Contract Amount	
ORIGINAL:	123	calendar days	\$2,039,328.00	
PREVIOUS CHANGE ORDERS:	0	calendar days	\$0.00	
THIS CHANGE ORDER:	0	calendar days	\$25,285.00	1.24%
REVISED AMOUNT:	123	calendar days	\$2,064,613.00	

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.	-32,943.00
Item 2: Create new pay items to accommodate hot soils found in construction site and to change pipe installation method for 40 LF of pipe	58,228.00
Cimarron Construction Company agrees to complete the work as amended and modified by Change Order No. 1 as described above.	

SUBMITTED BY

CONTRACTOR:


Cimarron Construction Company

Date: 6-20-22

RECOMMENDED BY

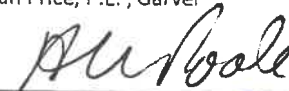
ENGINEER:


Sean Price, P.E., Garver

Date: 6-24-22

APPROVED AS TO FORM

AND LEGALITY:


City Attorney

Date: 6/28/22

ACCEPTED BY

NORMAN UTILITIES AUTHORITY:


City Manager

Date: 7-5-22

Bid Item	Description	Units	Original Contract		Unit Price	Original Contract		Proposed Quantity		Cost Increase / Decrease	Percent Change
			Amount			Amount		Increase/ Decrease	Decrease		
1	(12-INCH) POLYVINYL CHLORIDE PIPE (DR-18) BY OPEN TRENCH	LF	830	\$	130.00	\$	107,900.00	0		\$0.00	0%
2	(8-INCH) POLYVINYL CHLORIDE PIPE (DR-18) BY OPEN TRENCH	LF	378	\$	100.00	\$	37,800.00	0		\$0.00	0%
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	0		\$0.00	0%
6	BORING WITH STEEL CASING PIPE (8-INCH CARRIER)	LF	38	\$	525.00	\$	19,950.00	-38		-\$19,950.00	-100%
7	FIRE HYDRANT ASSEMBLY	EA	12	\$	7,400.00	\$	88,800.00	0		\$0.00	0%
7	REMOVE FIRE HYDRANT	EA	11	\$	500.00	\$	5,500.00	0		\$0.00	0%
8	CONSTRUCT FDC CONNECTION	EA	2	\$	18,600.00	\$	37,200.00	0		\$0.00	0%
9	16-INCH X 12-INCH TAPPING SLEEVE	EA	1	\$	6,200.00	\$	6,200.00	0		\$0.00	0%
10	12-INCH GATE VALVE AND BOX	EA	35	\$	3,500.00	\$	122,500.00	0		\$0.00	0%
11	8-INCH GATE VALVE AND BOX	EA	11	\$	2,100.00	\$	23,100.00	0		\$0.00	0%
12	6-INCH GATE VALVE AND BOX	EA	3	\$	1,300.00	\$	3,900.00	0		\$0.00	0%
13	WET CONNECTION (12-INCH)	EA	10	\$	4,800.00	\$	48,000.00	0		\$0.00	0%
14	WET CONNECTION (8-INCH)	EA	2	\$	3,600.00	\$	7,200.00	0		\$0.00	0%
15	WET CONNECTION (6-INCH)	EA	7	\$	2,900.00	\$	20,300.00	0		\$0.00	0%
16	WET CONNECTION (4-INCH)	EA	1	\$	1,900.00	\$	1,900.00	0		\$0.00	0%
17	12-INCH 22.5 DEGREE BEND (MJ)	EA	1	\$	970.00	\$	970.00	0		\$0.00	0%
18	12-INCH 45 DEGREE BEND (MJ)	EA	37	\$	1,500.00	\$	55,500.00	0		\$0.00	0%
19	12-INCH 90 DEGREE BEND (MJ)	EA	2	\$	1,500.00	\$	3,000.00	0		\$0.00	0%
20	8-INCH 90 DEGREE BEND (MJ)	EA	2	\$	730.00	\$	1,460.00	0		\$0.00	0%
21	8-INCH 45 DEGREE BEND (MJ)	EA	10	\$	680.00	\$	6,800.00	0		\$0.00	0%
22	6-INCH 45 DEGREE BEND (MJ)	EA	8	\$	526.50	\$	4,212.00	0		\$0.00	0%
23	4-INCH 45 DEGREE BEND (MJ)	EA	2	\$	400.00	\$	800.00	0		\$0.00	0%
24	12-INCH 12-INCH CROSS (MJ)	EA	3	\$	2,900.00	\$	8,700.00	0		\$0.00	0%
25	12-INCH X 8-INCH CROSS (MJ)	EA	1	\$	2,400.00	\$	2,400.00	0		\$0.00	0%
26	12-INCH X 12-INCH TEE (MJ)	EA	4	\$	2,000.00	\$	8,000.00	0		\$0.00	0%
27	12-INCH X 8-INCH TEE (MJ)	EA	4	\$	1,800.00	\$	7,200.00	0		\$0.00	0%
28	12-INCH X 8-INCH REDUCER (MJ)	EA	2	\$	730.00	\$	1,460.00	0		\$0.00	0%
29	12-INCH X 6-INCH REDUCER (MJ)	EA	2	\$	700.00	\$	1,400.00	0		\$0.00	0%
30	8-INCH X 6-INCH REDUCER (MJ)	EA	5	\$	500.00	\$	2,500.00	0		\$0.00	0%
31	8-INCH X 4-INCH REDUCER (MJ)	EA	1	\$	460.00	\$	460.00	0		\$0.00	0%
32	12-INCH CAP AND PLUG EXISTING WATERLINE(MJ)	EA	18	\$	2,500.00	\$	45,000.00	0		\$0.00	0%
33	8-INCH CAP AND PLUG EXISTING WATERLINE (MJ)	EA	2	\$	1,835.00	\$	3,670.00	0		\$0.00	0%
34	6-INCH CAP AND PLUG EXISTING WATERLINE (MJ)	EA	7	\$	1,300.00	\$	9,100.00	0		\$0.00	0%
35	4-INCH CAP AND PLUG EXISTING WATERLINE (MJ)	EA	1	\$	1,200.00	\$	1,200.00	0		\$0.00	0%
36	1-INCH WATER SINGLE SHORT SERVICE (SSS)	EA	8	\$	2,400.00	\$	19,200.00	0		\$0.00	0%
37	1.5-INCH WATER SINGLE SHORT SERVICE (SSS)	EA	2	\$	4,400.00	\$	8,800.00	0		\$0.00	0%
38	1-INCH WATER SINGLE LONG SERVICE (SLS)	EA	5	\$	3,200.00	\$	16,000.00	0		\$0.00	0%
39	1.5-INCH WATER SINGLE LONG SERVICE (SLS)	EA	3	\$	5,100.00	\$	15,300.00	0		\$0.00	0%
40	WATER METER RELOCATION	EA	10	\$	1,000.00	\$	10,000.00	0		\$0.00	0%
41	REMOVE AND REPLACE ADA TACTILE WARNING	EA	8	\$	4,300.00	\$	34,400.00	0		\$0.00	0%
42	REMOVE AND REPLACE RETAINING WALL	LF	30	\$	130.00	\$	3,900.00	0		\$0.00	0%
43	REMOVE BOLLARDS AND PROTECTIVE RAILING	LS	1	\$	500.00	\$	500.00	0		\$0.00	0%
44	PRE-/POST-CONSTRUCTION AUDIO/VIDEO RECORDING	LS	1	\$	5,000.00	\$	5,000.00	0		\$0.00	0%
45	SEDIMENT AND EROSION CONTROL	LS	1	\$	5,000.00	\$	5,000.00	0		\$0.00	0%
46	CONSTRUCTION TRAFFIC CONTROL	LS	1	\$	52,000.00	\$	52,000.00	0		\$0.00	0%
47	CONSTRUCTION STAKING (CONSTRUCTION SURVEY)	LS	1	\$	28,000.00	\$	28,000.00	0		\$0.00	0%
48	MOBILIZATION/DEMOBILIZATION AND INSURANCE (5% MAX OF THE CONTRACT PRICE)	LS	1	\$	100,000.00	\$	100,000.00	0		\$0.00	0%
B1	(12-INCH) FUSIBLE PVC (DR-18) BY HORIZONTAL DIRECTIONAL DRILLING	LF	3431	\$	213.00	\$	730,803.00	-61		-\$12,993.00	-2%
B2	REMOVE AND REPLACE CURB & GUTTER	LF	162	\$	40.00	\$	6,480.00	0		\$0.00	0%
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	0		\$0.00	0%
SUBTOTAL						\$	2,039,328.00			-\$32,943.00	-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%
Final Contract Amount	\$	2,064,613.00	