

NORMAN UTILITIES AUTHORITY
CITY OF NORMAN
CLEVELAND COUNTY, OKLAHOMA

DATE July 28, 2023

CHANGE ORDER NO Two (2) - Final

CONTRACT NO K-2122-24

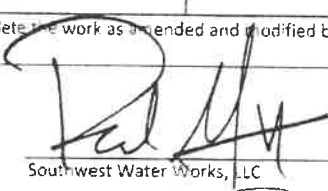
PROJECT: WA0328 - Flood Avenue Waterline Replacement Project

CONTRACTOR: Southwest Water Works, LLC
201 NW 132nd St. OKC, OK 73114

	<u>Contract Time</u>		<u>Contract Amount</u>	
ORIGINAL	330	calendar days	\$2,854,724.50	
PREVIOUS CHANGE ORDERS:	75	calendar days	\$470,794.00	
THIS CHANGE ORDER:	114	calendar days	-\$30,895.36	-1.08%
REVISED AMOUNT:	519	calendar days	\$3,294,623.14	
ORIGINAL START DATE:	November 3, 2021			
ORIGINAL COMPLETION DATE:	September 29, 2022			
PREVIOUS COMPLETION DATE:	December 13, 2022			
NEW COMPLETION DATE:	April 6, 2023			

DESCRIPTION:	Increase / Decrease (\$)
Item 1: Modification of existing pay items to match final as-built quantities.	-64,194.11
Item 2: Addition of new pay item for the removal of an existing blowoff and extra gravel needed for a tie-in much deeper than plans specified.	1,604.75
Item 3: Addition of pay item for increased excavation due to location of future storm and street near water tower and reexcavation due to failed water outage for a tie-in at no fault of the contractor.	31,694.00
Item 4: Increase contract time by one hundred fourteen (114) days to allow for modifying the original contract period and previous change orders from 405 calendar days to 519 calendar days.	0.00
Southwest Water Works, LLC agrees to complete the work as amended and modified by Change Order No. 2 as described above.	

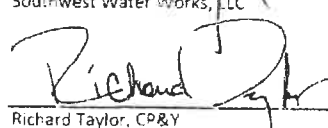
SUBMITTED BY
CONTRACTOR:


Southwest Water Works, LLC

Date

8/16/2023

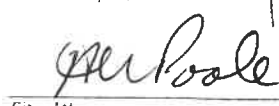
RECOMMENDED BY
ENGINEERING FIRM


Richard Taylor, CP&Y

Date

08-16-2023

APPROVED AS TO FORM
AND LEGALITY


City Attorney

Date

8/16/2023

ACCEPTED BY
NORMAN UTILITIES AUTHORITY

Chairman

Date

Attachment 1

Bid Item	Description	Units	Current Contract Amount	Unit Price	Original Contract Amount	Proposed Quantity Increase/Decrease	Cost Increase / Decrease	Percent Change
1	6" DIA. C900 PVC PIPE (DR 18)	LF	20	\$ 50.00	\$1,000.00	-20.00	-\$1,000.00	-100.00%
2	8" DIA. C900 PVC PIPE (DR 18)	LF	1,465	\$ 70.00	\$102,550	-16.00	-\$1,120.00	-1.09%
3	12" DIA. C900 PVC PIPE (DR 18)	LF	11,778	\$ 88.00	\$1,036,464	315.00	\$27,720.00	2.67%
4	16" DIA. C900 PVC PIPE (DR 18)	LF	1,870	\$ 115.00	\$215,050	-89.00	-\$10,235.00	-4.76%
5	BORE WITH STEEL ENCASEMENT (8-INCH CARRIER)	LF	287	\$ 245.00	\$70,315	-218.00	-\$53,410.00	-75.96%
6	BORE WITHOUT STEEL ENCASEMENT (8-INCH CARRIER)	LF	20	\$ 35.00	\$700	40.00	\$1,400.00	200.00%
7	BORE WITH STEEL ENCASEMENT (12-INCH CARRIER)	LF	227	\$ 275.00	\$62,425	-21.00	-\$5,775.00	-9.25%
8	OPEN TRENCH WITH STEEL ENCASEMENT (12-INCH CARRIER)	LF	165	\$ 175.00	\$28,875	-165.00	-\$28,875.00	-100.00%
9	RAILROAD BORE WITH 18-INCH STEEL ENCASEMENT (8-INCH CARRIER)	LF	102	\$ 300.00	\$30,600	2.00	\$600.00	1.96%
10	6-INCH GATE VALVE & BOX	EA	3	\$ 2,500.00	\$7,500	-2.00	-\$5,000.00	-66.67%
11	8-INCH GATE VALVE & BOX	EA	11	\$ 3,000.00	\$33,000	3.00	\$9,000.00	27.27%
12	12-INCH GATE VALVE & BOX	EA	13	\$ 4,250.00	\$55,250	2.00	\$8,500.00	15.38%
13	16-INCH BUTTERFLY VALVE	EA	8	\$ 6,000.00	\$48,000	-1.00	-\$6,000.00	-12.50%
14	6-INCH X 6-INCH TEE	EA	1	\$ 850.00	\$850	-1.00	-\$850.00	-100.00%
15	8-INCH X 6-INCH TEE	EA	1	\$ 900.00	\$900	0.00	\$0.00	0.00%
16	8-INCH X 8-INCH TEE	EA	2	\$ 1,000.00	\$2,000	-1.00	-\$1,000.00	-50.00%
17	12-INCH X 8-INCH TEE	EA	5	\$ 1,800.00	\$9,000	1.00	\$1,800.00	20.00%
18	12-INCH X 12-INCH TEE	EA	3	\$ 2,100.00	\$6,300	0.00	\$0.00	0.00%
19	16-INCH X 6-INCH TEE	EA	1	\$ 3,000.00	\$3,000	0.00	\$0.00	0.00%
20	16-INCH X 16-INCH TEE	EA	4	\$ 4,000.00	\$16,000	0.00	\$0.00	0.00%
21	8-INCH X 6-INCH REDUCER	EA	3	\$ 700.00	\$2,100	-1.00	-\$700.00	-33.33%
22	16-INCH X 12-INCH REDUCER	EA	3	\$ 1,900.00	\$5,700	0.00	\$0.00	0.00%
23	8-INCH 11.25 DEGREE BEND	EA	1	\$ 600.00	\$600	4.00	\$2,400.00	400.00%
24	8-INCH 22.5 DEGREE BEND	EA	5	\$ 650.00	\$3,250	1.00	\$650.00	20.00%
25	8-INCH 45 DEGREE BEND	EA	20	\$ 700.00	\$14,000	-2.00	-\$1,400.00	-10.00%
26	8-INCH 90 DEGREE BEND	EA	4	\$ 800.00	\$3,200	0.00	\$0.00	0.00%
27	12-INCH 11.25 DEGREE BEND	EA	12	\$ 1,200.00	\$14,400	-3.00	-\$3,600.00	-25.00%
28	12-INCH 22.5 DEGREE BEND	EA	4	\$ 1,300.00	\$5,200	4.00	\$5,200.00	100.00%
29	12-INCH 45 DEGREE BEND	EA	3	\$ 1,400.00	\$4,200	13.00	\$18,200.00	433.33%
30	12-INCH 90 DEGREE BEND	EA	1	\$ 1,700.00	\$1,700	0.00	\$0.00	0.00%
31	16-INCH 22.5 DEGREE BEND	EA	2	\$ 2,500.00	\$5,000	0.00	\$0.00	0.00%
32	16-INCH 45 DEGREE BEND	EA	6	\$ 3,500.00	\$21,000	-6.00	-\$21,000.00	-100.00%
33	FIRE HYDRANT ASSEMBLY	EA	20	\$ 6,000.00	\$120,000	1.00	\$6,000.00	5.00%
34	REMOVE FIRE HYDRANT	EA	14	\$ 500.00	\$7,000	-3.00	-\$1,500.00	-21.43%
35	6-INCH PLUG AND CAP FIRE LINE	EA	3	\$ 700.00	\$2,100	-1.00	-\$700.00	-33.33%
36	8-INCH CAP AND PLUG EXISTING WATERLINE	EA	4	\$ 750.00	\$3,000	2.00	\$1,500.00	50.00%
37	12-INCH CAP AND PLUG EXISTING WATERLINE	EA	2	\$ 1,000.00	\$2,000	-1.00	-\$1,000.00	-50.00%
38	16-INCH CAP AND PLUG EXISTING WATERLINE	EA	11	\$ 2,500.00	\$27,500	1.00	\$2,500.00	9.09%
39	CONNECTION TO EXISTING 6-INCH WATERLINE	EA	3	\$ 1,000.00	\$3,000	0.00	\$0.00	0.00%
40	CONNECTION TO EXISTING 8-INCH WATERLINE	EA	6	\$ 1,200.00	\$7,200	4.00	\$4,800.00	66.67%
41	CONNECTION TO EXISTING 12-INCH WATERLINE	EA	2	\$ 1,500.00	\$3,000	1.00	\$1,500.00	50.00%
42	CONNECTION TO EXISTING 16-INCH WATERLINE	EA	5	\$ 3,500.00	\$17,500	0.00	\$0.00	0.00%
43	1" SINGLE SHORT SERVICE (SSS)	EA	12	\$ 2,000.00	\$24,000	3.00	\$6,000.00	25.00%
44	1.5" SINGLE SHORT SERVICE (SSS)	EA	1	\$ 4,500.00	\$4,500	-1.00	-\$4,500.00	-100.00%
45	2" SINGLE SHORT SERVICE (SSS)	EA	2	\$ 5,000.00	\$10,000	-1.00	-\$5,000.00	-50.00%
46	2" SINGLE SHORT SERVICE - TO CURB STOP ONLY	EA	1	\$ 3,500.00	\$3,500	0.00	\$0.00	0.00%
47	REMOVE AND DISPOSE OF 16-INCH WATERLINE	LF	3,410	\$ 7.00	\$23,870	-2838.00	-\$19,866.00	-83.23%
48	REMOVE AND REPLACE FENCE (STOCKADE)	LF	152	\$ 1.00	\$152	-152.00	-\$152.00	-100.00%
49	REMOVE AND REPLACE FENCE (CHAINLINK)	LF	62	\$ 25.00	\$1,550	106.00	\$2,650.00	170.97%
50	REMOVE AND REPLACE CONCRETE FLUME	SY	60	\$ 65.00	\$3,900	-60.00	-\$3,900.00	-100.00%
51	REMOVE AND REPLACE CONCRETE SIDEWALK	SY	453	\$ 65.00	\$29,445	416.06	\$27,045.20	91.85%
52	REMOVE AND REPLACE CONCRETE DRIVEWAY	SY	850	\$ 90.00	\$76,500	-202.29	-\$18,206.10	-23.80%
53	REMOVE AND REPLACE P.C. CONCRETE PAVEMENT	SY	55	\$ 125.00	\$6,875	237.86	\$29,732.50	432.47%
54	REMOVE AND REPLACE CURB & GUTTER	LF	571	\$ 60.00	\$34,260	-324.00	-\$19,440.00	-56.74%
55	REMOVE AND REPLACE HOT MIX ASPHALTIC CONCRETE	SY	214	\$ 11.00	\$2,354	92.44	\$1,016.84	43.20%
56	REMOVE AND DISPOSE CONCRETE WATER VAULT	LS	1	\$ 450.00	\$450	0.00	\$0.00	0.00%
57	SOLID SLAB SODDING	SY	18,170	\$ 2.50	\$45,425	-3647.78	-\$9,119.45	-20.08%
58	ADA TACTILE SURFACE	EA	11	\$ 1,200.00	\$13,200	-5.00	-\$6,000.00	-45.45%
59	CLEARING AND GRUBBING	LS	1.40	\$ 5,000.00	\$7,000	0.00	\$0.00	0.00%
60	CONSTRUCTION TRAFFIC CONTROL	LS	1.25	\$ 35,000.00	\$43,750	0.00	\$0.00	0.00%
61	CONSTRUCTION STAKING AND ASBUILTS	LS	1.25	\$ 15,000.00	\$18,750	0.05	\$750.00	4.00%
62	EROSION CONTROL	LS	1.20	\$ 10,000.00	\$12,000	0.00	\$0.00	0.00%
63	MOBILIZATION AND INSURANCE 5% MAX	LS	1.25	\$ 50,000.00	\$62,500	0.00	\$0.00	0.00%
64	PRE-CONSTRUCTION AND POSTCONSTRUCTION INSPECTION	LS	1.25	\$ 20,000.00	\$25,000	0.00	\$0.00	0.00%
A1	6-INCH DIA C900 PVC PIPE (DR 18)	LF	88	\$ 65.00	\$5,720	-7.00	-\$455.00	-7.95%

Attachment 1								
Bid Item	Description	Units	Current Contract Amount	Unit Price	Original Contract Amount	Proposed Quantity Increase/Decrease	Cost Increase / Decrease	Percent Change
A2	8" DIA. C900 PVC PIPE (DR 18)	LF	735	\$ 75.00	\$55,125	190.00	\$14,250.00	25.85%
A3	12" DIA. C900 PVC PIPE (DR 18)	LF	3,265	\$ 90.00	\$293,850	-82.00	-\$7,380.00	-2.51%
A4	BORE AND STEEL ENCASMENT (8-INCH CARRIER)	LF	245	\$ 240.00	\$58,800	-101.00	-\$24,240.00	-41.22%
A5	12-INCH HORIZONTAL DIRECTIONAL BORE	LF	350	\$ 175.00	\$61,250	14.00	\$2,450.00	4.00%
A6	6-INCH SINGLE CHECK VALVE	EA	1	\$ 8,500.00	\$8,500	0.00	\$0.00	0.00%
A7	6-INCH GATE VALVE & BOX	EA	2	\$ 2,500.00	\$5,000	1.00	\$2,500.00	50.00%
A8	8-INCH GATE VALVE & BOX	EA	6	\$ 3,000.00	\$18,000	1.00	\$3,000.00	16.67%
A9	12-INCH GATE VALVE & BOX	EA	8	\$ 3,750.00	\$30,000	0.00	\$0.00	0.00%
A10	8-INCH X 6-INCH TEE	EA	1	\$ 900.00	\$900	1.00	\$900.00	100.00%
A11	8-INCH X 8-INCH TEE	EA	1	\$ 1,000.00	\$1,000	1.00	\$1,000.00	100.00%
A12	12-INCH X 8-INCH TEE	EA	3	\$ 1,800.00	\$5,400	1.00	\$1,800.00	33.33%
A13	12-INCH X 12-INCH TEE	EA	1	\$ 2,100.00	\$2,100	1.00	\$2,100.00	100.00%
A14	8-INCH 45 DEGREE BEND	EA	2	\$ 700.00	\$1,400	5.00	\$3,500.00	250.00%
A15	12-INCH 45 DEGREE BEND	EA	10	\$ 1,400.00	\$14,000	4.00	\$5,600.00	40.00%
A16	FIRE HYDRANT ASSEMBLY	EA	9	\$ 6,000.00	\$54,000	-3.00	-\$18,000.00	-33.33%
A17	REMOVE FIRE HYDRANT	EA	7	\$ 500.00	\$3,500	-2.00	-\$1,000.00	-28.57%
A18	8-INCH CAP AND PLUG EXISTING WATERLINE	EA	1	\$ 750.00	\$750	1.00	\$750.00	100.00%
A19	10-INCH CAP AND PLUG EXISTING WATERLINE	EA	1	\$ 1,000.00	\$1,000	0.00	\$0.00	0.00%
A20	12-INCH CAP AND PLUG EXISTING WATERLINE	EA	2	\$ 1,000.00	\$2,000	3.00	\$3,000.00	150.00%
A21	CONNECTION TO EXISTING 8-INCH WATERLINE	EA	5	\$ 1,200.00	\$6,000	-1.00	-\$1,200.00	-20.00%
A22	CONNECTION TO EXISTING 12-INCH WATERLINE	EA	5	\$ 1,500.00	\$7,500	-1.00	-\$1,500.00	-20.00%
A23	1-INCH SINGLE SHORT SERVICE (SSS)	EA	7	\$ 2,000.00	\$14,000	0.00	\$0.00	0.00%
A24	1.5-INCH SINGLE SHORT SERVICE (SSS)	EA	1	\$ 4,500.00	\$4,500	0.00	\$0.00	0.00%
A25	12-INCH BLOW OFF ASSEMBLY	EA	1	\$ 5,000.00	\$5,000	0.00	\$0.00	0.00%
A26	REMOVE AND REPLACE CONCRETE SIDEWALK	SY	135	\$ 65.00	\$8,775	-62.83	-\$5,383.95	-61.36%
A27	REMOVE AND REPLACE CONCRETE DRIVEWAY	SY	45	\$ 90.00	\$4,050	169.39	\$15,245.10	376.42%
A28	REMOVE AND REPLACE P.C. CONCRETE PAVING	SY	10	\$ 125.00	\$1,250	126.59	\$15,823.75	1265.90%
A29	REMOVE AND REPLACE CURB & GUTTER	LF	25	\$ 60.00	\$1,500	133.00	\$7,980.00	532.00%
A30	SOLID SLAB SODDING	SY	4,022	\$ 1.75	\$7,039	0.00	\$0.00	0.00%
A31	ADA TACTILE SURFACE	EA	4	\$ 1,200.00	\$4,800	-3.00	-\$3,600.00	-75.00%
A32	CLEARING AND GRUBBING	LS	1	\$ 1,000.00	\$1,000	0.00	\$0.00	0.00%
A33	CONSTRUCTION TRAFFIC CONTROL	LS	1	\$ 12,500.00	\$12,500	0.00	\$0.00	0.00%
A34	CONSTRUCTION STAKING AND AS-BUILTS	LS	1	\$ 15,000.00	\$15,000	0.00	\$0.00	0.00%
A35	EROSION CONTROL	LS	1	\$ 2,500.00	\$2,500	0.00	\$0.00	0.00%
A36	MOBILIZATION AND INSURANCE 5% MAX	LS	1	\$ 30,000.00	\$30,000	0.00	\$0.00	0.00%
A37	PRE-CONSTRUCTION AND POST-CONSTRUCTION INSPECTION	LS	1	\$ 5,000.00	\$5,000	0.00	\$0.00	0.00%
SUBTOTAL					\$3,204,118.50		(\$53,244.11)	-1.66%
CHANGE ORDER PAY ITEMS								
CO1-1	16 x 11.25 Bend	EA	2	\$2,500.00	\$5,000	2.00	\$5,000.00	100.00%
CO1-2	16 x 90 Bend	EA	2	\$4,000.00	\$8,000	0.00	\$0.00	0.00%
CO1-3	16 x 8 Tee	EA	3	\$5,500.00	\$16,500	0.00	\$0.00	0.00%
CO1-4	Water Service Long	EA	2	\$6,500.00	\$13,000	-1.00	-\$6,500.00	-50.00%
CO1-5	Remove and Replace Light Pole	EA	2	\$9,500.00	\$19,000	0.00	\$0.00	0.00%
CO1-6	Remove and Replace Cable Fence	LF	315	\$50.00	\$15,750	91.00	\$4,550.00	28.89%
CO1-7	Remove and Replace Pipe Rail	LF	20	\$45.00	\$900	0.00	\$0.00	0.00%
CO1-8	Remove and Replace Storm Sewer	LF	78	\$375.00	\$29,250	0.00	\$0.00	0.00%
CO1-9	Steel Encasement 30" (Includes Excavation, Spacers, Etc.)	LF	40	\$350.00	\$14,000	-40.00	-\$14,000.00	-100.00%
CO2-1	Blow off removal and extra gravel	LS	0	\$1,604.75	\$0	1.00	\$1,604.75	N/A
CO2-2	Additional excavation near water tower and additional work at a tie-in due to a failed water outage	LS	0	\$31,694.00	\$0	1.00	\$31,694.00	N/A
SUBTOTAL					\$121,400		\$22,346.75	0.70%
Original Contract Amount					\$2,854,724.50			
Change Order No. 1					\$470,794.00	16.49%		
Change Order No. 2					-\$30,895.36	-1.08%		