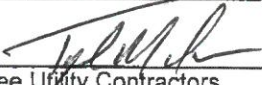


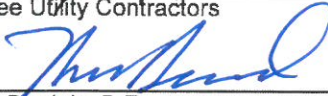
NORMAN UTILITIES AUTHORITY
 CITY OF NORMAN
 CLEVELAND COUNTY, OKLAHOMA

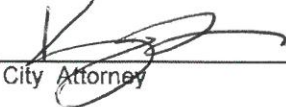
DATE: August 29, 2016
 CHANGE ORDER NO. 2 (Final)
 CONTRACT NO.: Contract # K-1516-43
 PROJECT: Berry Road Waterline Phase 2
 CONTRACTOR: McKee Utility Contractors
2319 W. Main St.
Prague, OK

	<u>Contract Time</u>	<u>Contract Amount</u>
ORIGINAL:	210 calendar days	<u>\$1,206,023.50</u>
PREVIOUS CHANGE ORDERS:	0 calendar days	<u>\$410,205.00</u>
THIS CHANGE ORDER:	0 calendar days	<u>\$233,198.71</u>
REVISED AMOUNT:	<u>210</u> calendar days	<u>\$1,849,427.21</u>
ORIGINAL START DATE:	<u>October 4, 2015</u>	
ORIGINAL COMPLETION DATE:	<u>May 1, 2016</u>	
PREVIOUS COMPLETION DATE:	<u>May 1, 2016</u>	
NEW COMPLETION DATE:	<u>May 1, 2016</u>	

DESCRIPTION:	\$ Increase	\$ Decrease
NUA: Reconcile "as-bid" to "as-built" quantities (see Attachment 1).	\$98,728.71	\$0.00
Public Works Department: Reconcile "as-bid" to "as-built" quantities (see Attachment 1).	\$12,905.00	\$0.00
Add new NUA work and negotiate "unit prices" for these items (see Attachment 2).	\$11,565.00	\$0.00
Directional Drill 100 feet 16-inch "Diamond Lock" Restrained Joint Fusible PVC pipe under Main Street in lieu of bore and encasement (see Attachment 3).	\$25,000.00	\$0.00
Directional Drill 280 feet 16-inch "Diamond Lock" Restrained Joint Fusible PVC pipe under Berry Road in lieu of open trench installation with associated street repairs (see Attachment 4).	\$85,000.00	\$0.00

SUBMITTED BY
 CONTRACTOR:  Date: 9/19/16
 McKee Utility Contractors

RECOMMENDED BY
 ENGINEER:  Date: 09-20-16
 Mark Daniels, P.E., Norman Utilities Authority

APPROVED BY
 NORMAN UTILITIES AUTHORITY:  Date: 9/21/16
 City Attorney

ACCEPTED BY
 NORMAN UTILITIES AUTHORITY: _____ Date: _____
 Lynn Miller, Chairwoman

Attachment 1									
Berry Road Waterline Phase 2				Original Contract		Reconciliation Change Order			
Item	Item Description	Unit	Qty.	Unit Price	Cost	Final Qty.	Adjusted Qty.	Unit Price	Cost
1	Open Cut 16" C905 PVC DR-18, Complete	LF	5,440	\$73.90	\$402,016.00	5,355	-85	\$73.90	-\$6,281.50
2	Open Cut 12" C800 PVC DR-18, Complete	LF	240	\$45.00	\$10,800.00	0	-240	\$45.00	-\$10,800.00
3	Open Cut 8" C900 PVC DR-18, Complete	LF	280	\$40.00	\$11,200.00	220	-60	\$40.00	-\$2,400.00
4	Open Cut 8" C900 PVC DR-18, Complete	LF	1,180	\$35.00	\$41,300.00	1,163	-17	\$35.00	-\$595.00
5	Open Cut 16" C905 PVC DR-18 with 30" Steel Casing	LF	100	\$140.00	\$14,000.00	0	-100	\$140.00	-\$14,000.00
6	Connect 16-inch PVC to Existing 16-inch Waterline	EA	1	\$4,000.00	\$4,000.00	1	0	\$4,000.00	\$0.00
7	Connect 16-inch PVC to Existing 14-inch Waterline	EA	1	\$3,000.00	\$3,000.00	3	2	\$3,000.00	\$6,000.00
8	Connect 12-inch PVC Pipe to Existing 12-inch Waterline	EA	2	\$2,000.00	\$4,000.00	0	-2	\$2,000.00	-\$4,000.00
9	Connect 8-inch PVC Pipe to Existing 8-inch Waterline	EA	4	\$800.00	\$3,200.00	4	0	\$800.00	\$0.00
10	Connect 8-inch PVC Pipe to Existing 6-inch Waterline	EA	2	\$700.00	\$1,400.00	0	-2	\$700.00	-\$1,400.00
11	Connect 8-inch PVC Pipe to Existing 4-inch Waterline	EA	1	\$600.00	\$600.00	0	-1	\$600.00	-\$600.00
12	Connect 6-inch PVC Pipe to Existing 6-inch Waterline	EA	21	\$500.00	\$10,500.00	23	2	\$500.00	\$1,000.00
13	Connect 6-inch PVC Pipe to Existing 2-inch Waterline	EA	20	\$200.00	\$4,000.00	0	-20	\$200.00	-\$4,000.00
14	16-Inch Butterfly Valves	EA	6	\$2,500.00	\$15,000.00	11	5	\$2,500.00	\$12,500.00
15	12-Inch Resilient Seated Gate Valves	EA	8	\$2,000.00	\$16,000.00	0	-8	\$2,000.00	-\$16,000.00
16	8-Inch Resilient Seated Gate Valves	EA	11	\$1,300.00	\$14,300.00	9	-2	\$1,300.00	-\$2,600.00
17	6-Inch Resilient Seated Gate Valves	EA	44	\$1,000.00	\$44,000.00	43	-1	\$1,000.00	-\$1,000.00
18	Single Short Water Service Connection	EA	22	\$300.00	\$6,600.00	12	-10	\$300.00	-\$3,000.00
19	Single Long Water Service Connection	EA	33	\$600.00	\$19,800.00	27	-6	\$600.00	-\$3,600.00
20	Fire Hydrant Assembly	EA	30	\$2,500.00	\$75,000.00	33	3	\$2,500.00	\$7,500.00
21	Remove Fire Hydrant Assembly	EA	17	\$200.00	\$3,400.00	19	2	\$200.00	\$400.00
22	Temporary Blow-Off	EA	4	\$1,500.00	\$6,000.00	2	-2	\$1,500.00	-\$3,000.00
23	2" Air Release Valve & Vault, Complete	EA	1	\$2,500.00	\$2,500.00	0	-1	\$2,500.00	-\$2,500.00
24	16-inch x 12-inch Cross	EA	1	\$1,900.00	\$1,900.00	0	-1	\$1,900.00	-\$1,900.00
25	16-inch x 8-inch Cross	EA	1	\$1,500.00	\$1,500.00	1	0	\$1,500.00	\$0.00
26	16-inch x 6-inch Cross	EA	1	\$1,300.00	\$1,300.00	1	0	\$1,300.00	\$0.00
27	16-inch x 16-inch x 12-inch Tee	EA	2	\$1,300.00	\$2,600.00	0	-2	\$1,300.00	-\$2,600.00
28	16-inch x 16-inch x 8-inch Tee	EA	3	\$1,250.00	\$3,750.00	3	0	\$1,250.00	\$0.00
29	16-inch x 16-inch x 6-inch Tee	EA	20	\$1,200.00	\$24,000.00	20	0	\$1,200.00	\$0.00
30	12-inch x 12-inch x 6-inch Tee	EA	2	\$750.00	\$1,500.00	0	-2	\$750.00	-\$1,500.00
31	8-inch x 8-inch x 6-inch Tee	EA	4	\$500.00	\$2,000.00	5	1	\$500.00	\$500.00
32	6-inch x 6-inch x 6-inch Tee	EA	22	\$450.00	\$9,900.00	22	0	\$450.00	\$0.00
33	16-inch 11.25 Degree Bend	EA	4	\$1,000.00	\$4,000.00	2	-2	\$1,000.00	-\$2,000.00
34	16-inch 45 Degree Bend	EA	6	\$1,050.00	\$6,300.00	9	3	\$1,050.00	\$3,150.00
35	12-inch 45 Degree Bend	EA	2	\$750.00	\$1,500.00	4	2	\$750.00	\$1,500.00
36	8-inch 45 Degree Bend	EA	8	\$400.00	\$3,200.00	15	7	\$400.00	\$2,800.00
37	6-inch 45 Degree Bend	EA	6	\$350.00	\$2,100.00	81	75	\$350.00	\$26,250.00
38	R&R High-Early P.C. Concrete Pavement	SY	2,500	\$125.00	\$312,500.00	2,989	489	\$125.00	\$61,150.00
39	Removal and Replacement of Existing Concrete Drive	SY	55	\$125.00	\$6,875.00	253	198	\$125.00	\$24,747.50
40	Removal and Replacement of Concrete Curb & Gutter	LF	2,500	\$25.00	\$62,500.00	4,029	1,529	\$25.00	\$38,225.00
41	Removal and Replacement of Existing Handicap Ramp	EA	80	\$125.00	\$10,000.00	19	-61	\$125.00	-\$7,625.00
42	Removal and Replacement of Existing Sidewalk	SY	500	\$65.00	\$32,500.00	528	28	\$65.00	\$1,812.20
43	Solid Slab Sod Surface Restoration	SY	1,510	\$2.25	\$3,397.50	2,664	1,154	\$2.25	\$2,595.51
44	Clearing & Grubbing	EA	1	\$1.00	\$1.00	1	0	\$1.00	\$0.00
45	Construction Traffic Control	EA	1	\$1.00	\$1.00	1	0	\$1.00	\$0.00
46	Construction Staking	EA	1	\$1.00	\$1.00	1	0	\$1.00	\$0.00
47	SWPPP & Erosion Control Plan	EA	1	\$1.00	\$1.00	1	0	\$1.00	\$0.00
48	Mobilization and Insurance	EA	1	\$1.00	\$1.00	1	0	\$1.00	\$0.00
49	ODOT Type "A" Aggregate	TN	8,000	\$0.01	\$80.00	8,000	0	\$0.01	\$0.00
Original Contract Subtotal (NUA)					\$1,206,023.50				\$98,728.71
Change Order No. 1 (Paid by Streets Department)									
50	8-Inch Dowel Baskets	LF	4,600	\$7.00	\$32,200.00	6,090	1,490	\$7.00	\$10,430.00
38A	R&R High-Early P.C. Concrete Pavement (Streets)	SY	3,000	\$125.00	\$375,000.00	2,991	-9	\$125.00	-\$1,125.00
40A	Removal and Replacement of Concrete Curb & Gutter	LF	100	\$25.00	\$2,500.00	264	164	\$25.00	\$4,100.00
41A	Removal and Replacement of Existing Handicap Ramp	EA	4	\$125.00	\$500.00	0	-4	\$125.00	-\$500.00
49A	ODOT Type "A" Aggregate	TN	500	\$0.01	\$5.00	500	0	\$0.01	\$0.00
Change Order No. 1 Subtotal (Public Works)					\$410,205.00				\$12,905.00
Revised Contract Through CO#1=					\$1,616,228.50	Reconciliation Change Order =		\$111,633.71	

Attachment 2									
Berry Road Waterline Phase 2				Original Contract			New Work		
Item	Item Description	Unit	Qty.	Unit Price	Cost	Final Qty.	Adjusted Qty.	Unit Price	Cost
New Work Items									
51	16" Fusable PVC Bore N/S Under Main Street	LS	-	\$25,000.00	\$0	1	1	\$25,000.00	\$25,000.00
52	16" Fusable PVC Bore E/W Under Berry Road	LS	-	\$85,000.00	\$0	1	1	\$85,000.00	\$85,000.00
53	Cap Existing 14" Water Line	EA	-	\$415.00	\$0	1	1	\$415.00	\$415.00
54	16" X 12" Reducer	EA	-	\$700.00	\$0	2	2	\$700.00	\$1,400.00
55	8" x 6" Reducer	EA	-	\$350.00	\$0	2	2	\$350.00	\$700.00
56	6" 22.5 Degree Bend	EA	-	\$325.00	\$0	14	14	\$325.00	\$4,550.00
57	6" 90 Degree Bend	EA	-	\$350.00	\$0	1	1	\$350.00	\$350.00
58	16" Cap	EA	-	\$850.00	\$0	2	2	\$850.00	\$1,700.00
59	16" x 16" x 16" Tee	EA	-	\$1,625.00	\$0	1	1	\$1,625.00	\$1,625.00
60	6" Cap	EA	-	\$275.00	\$0	3	3	\$275.00	\$825.00
New Work Items Subtotal (NUA)					\$0.00				\$121,565.00
					Original Contract =	\$1,206,023.50			
					Change Order No. 1 (add paving work) =	\$410,205.00			
					Revised Contract Through CO#1 =	\$1,616,228.50			
							Reconciliation Change Order #2 =	\$111,633.71	
							New Work Change Order #2 =	\$121,565.00	
							Revised Contract Through CO#2 =	\$1,849,427.21	
Item	Notes: Comparative unit prices listed below are taken from original contract or bids for the Lindsey Street Waterline Improvements (LSWI).								
51	See Attachment 3 for detailed breakdown.								
52	See Attachment 4 for detailed breakdown.								
53	Cap Existing 14-inch WL: Bid Item 59, Section A LSWI, Cap Existing WL was bid at \$450; \$415 requested for new work is acceptable.								
54	16" X 12" Reducer: Bid Item 43, Section A LSWI, 16-inch x 6-inch Reducer bid at \$1500; \$700 requested for new work is acceptable.								
55	8" x 6" Reducer: Bid Item 44, Section A LSWI, 8-inch x 6-inch Reducer bid at \$400; \$350 requested for new work is acceptable.								
56	6" 22.5 Degree Bend: Bid Item 40, Section A LSWI, 6-inch 45 Degree Bend bid at \$450; \$325 requested for new work is acceptable.								
57	6" 90 Degree Bend: Bid Item 40, Section A LSWI, 6-inch 45 Degree Bend bid at \$450; \$350 requested for new work is acceptable.								
58	16" Cap: Bid Item 44, Section A LSWI, 8-inch x 6-inch Reducer bid at \$400; \$850 requested for new work is acceptable.								
59	16" x 16" x 16" Tee: 16-inch x 16-inch Tee bid at \$2100 in Section A LSWI; \$1625 requested for new work is acceptable.								
60	6" Cap: Bid Item 44, Section A LSWI, 8-inch x 6-inch Reducer bid at \$400; \$275 requested for new work is acceptable.								

McKee Utility Contractors, Inc.

2319 West Main Street

Prague, Oklahoma 74864

Phone (405) 567-7506



JOB LOCATION

Robinson Street Waterline

Norman, Oklahoma

TO Mark Daniels, P.E. Utilities Engineer
Department of Utilities - City of Norman

Date: 9/12/16

DESIGN ENG. Poe & Assoc.

PROPOSED CHANGE ORDER - NORTH/SOUTH MAIN STREET BORE

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Price</u>	<u>Total</u>
1	LABOR	LS	1	\$5,000.00	\$5,000.00
2	SUBCONTRACTOR (BORING)	LF	100	\$150.00	\$15,000.00
3	PIPE PRICE INCREASE	LF	100	\$3.00	\$3,000.00
TOTAL COST					\$23,000.00
PROFIT 9%					<u>\$2,000.00</u>
TOTAL LUMP SUM COST					\$25,000.00

McKee Utility Contractors, Inc.
2319 West Main Street
Prague, Oklahoma 74864
Phone (405) 567-7506



TO Mark Daniels, P.E. Utilities Engineer
Department of Utilities - City of Norman

JOB LOCATION
Berry Road Phase II
Norman, Oklahoma

Date: 9/12/16 DESIGN ENG. Poe & Assoc.

PROPOSED CHANGE ORDER NO. 2 - EAST/WEST DIRECTIONAL BORE

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Price</u>	<u>Total</u>
1	MATERIALS	LF	280	\$78.26	\$21,913.00
2	EQUIPMENT	LS	1	\$2,500.00	\$2,500.00
3	LABOR	DAY	3	\$5,000.00	\$15,000.00
4	SUBCONTRACTOR (BORING)	LF	280	\$150.00	\$34,500.00

TOTAL COST \$73,913.00

PROFIT 15% \$11,087.00

TOTAL PROPOSED CHANGE ORDER \$85,000.00