

CITY COUNCIL CONFERENCE

**MUNICIPAL BUILDING CONFERENCE ROOM
201 WEST GRAY, NORMAN, OK**

SEPTEMBER 27, 2016

5:30 P.M.

- 1. DISCUSSION REGARDING CHANGE ORDER NO. TWO TO THE CONTRACT WITH MCKEE UTILITY CONTRACTORS, INC., INCREASING THE CONTRACT AMOUNT BY \$233,198.71 FOR A REVISED CONTRACT AMOUNT OF \$1,849,427.21 FOR THE BERRY ROAD WATER LINE REPLACEMENT PROJECT, PHASE 2.**
- 2. DISCUSSION REGARDING THE DOWNTOWN MAIN STREET STREETScape PROJECT, PHASE II. (PARK DRIVE TO JAMES GARNER AVENUE)**



City of Norman, OK

Municipal Building
Council Chambers
201 West Gray
Norman, OK 73069

Master

File Number: K-1516-43 CO#2

File ID: K-1516-43 CO#2	Type: Contract	Status: Consent Item
Version: 2	Reference:	In Control: City Council
Department: Utilities Department	Cost: \$233,198.71	File Created: 09/14/2016
File Name: Final Change Order No. 2 Berry Rd Water Line Phase 2		Final Action:

Title: CHANGE ORDER NO. TWO TO CONTRACT K-1516-43: BY AND BETWEEN THE CITY OF NORMAN, OKLAHOMA; THE NORMAN UTILITIES AUTHORITY; AND MCKEE UTILITY CONTRACTORS, INC., INCREASING THE CONTRACT AMOUNT BY \$233,198.71 FOR A REVISED CONTRACT AMOUNT OF \$1,849,427.21 FOR THE BERRY ROAD WATER LINE REPLACEMENT PROJECT, PHASE 2, FINAL ACCEPTANCE OF THE PROJECT, AND BUDGET TRANSFER BETWEEN PROJECT ACCOUNTS.

Notes: ACTION NEEDED: Acting as the City Council and Norman Utilities Authority, motion to approve or reject Change Order No. Two to Contract K-1516-43 with McKee Utility Contractors, Inc., increasing the contract amount by \$233,198.71 for a revised contract amount of \$1,849,427.21; and if approved, authorize the execution thereof, accept the project, direct final payment in the amount of \$244,027.25 to McKee Utility Contractors, Inc.; and transfer \$65,000 from from Project WB084, Segment D Waterline Improvements, Construction (031-9360-462.61-01) to Project WB0305, Berry Road Waterline Replacement, Construction (031-9521-462.61-01).

ACTION TAKEN: _____

Agenda Date: 09/27/2016

Agenda Number:

Attachments: Change Order, Berry WL Phases 1, 2, 3, PW PR McKee, PR McKee Utilities

Project Manager: Mark Daniels, Utilities Engineer

Entered by: mark.daniels@normanok.gov

Effective Date:

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:

Text of Legislative File K-1516-43 CO#2

Body

BACKGROUND: For many years, the Norman Utilities Authority (NUA) contemplated replacement of the 14-inch cast iron waterline along Berry Road from Robinson to Lindsey. This waterline was installed in the early 1940's when North Base was a military facility; the waterline is in very poor condition resulting in lost water from numerous repairs, damage to the overlying roadway and inconveniences to the traveling public and the

surrounding neighborhood. Similarly, the University of Oklahoma (OU) owns a 14-inch cast iron waterline generally along the east side of Berry Road from Robinson to Lindsey and then east along the north side of Lindsey to Chautauqua. Numerous repairs to the OU waterline have also occurred causing further disruption to the neighborhood.

Staff coordinated with OU and we each agreed to replace our 14-inch waterlines by constructing parallel to and directly adjacent to each other. This would allow them to be bid as one project reducing inconvenience to the public and achieve some cost savings through reduced excavation and reduced width of pavement repairs. The waterline improvements will be managed and paid by each entity under separate contract with the same contractor. Generally, 14-inch water piping is no longer available so the waterline was upsized to 16-inch PVC to increase flow capacity and improve system reliability by using a more common pipe diameter and material.

The Berry Waterline Replacement project (WA0305) was expected to include approximately 10,200 linear feet (LF) of 16-inch waterline along the west side of Berry Road from Robinson to Lindsey and approximately 3,000 LF of 24-inch waterline east along Lindsey to Chautauqua where it will connect to the 16-inch Lindsey Waterline project completed in 2005. The 24-inch waterline, included in Phase 1, is a continuation of the Segment D Waterline and part of an ongoing effort to upgrade the City's water distribution system. Phase 2 includes the section from Avondale to north of Main St. with Phase 3 consisting of the section from Main to Robinson.

On May 10, 2011, the NUA approved Amendment No. 1 to Contract K-0910-61 authorizing Poe & Associates (Poe) to perform field surveying, preliminary design, final design and limited construction management services for the Berry Waterline Replacement for a total contract price of \$172,000.

On March 10, 2015, the NUA approved Contract K-1415-70 with Central Contracting Services, Inc. for the construction of Phase 1 of the Berry Road Waterline Replacement project. Phase 1 construction was completed on August 24, 2015 at a cost of \$1,334,675.

On September 22, 2015, the NUA approved Contract K-1516-43 with McKee Utility Contractors, Inc. (McKee) for the construction of Phase 2 of the Berry Road Waterline Replacement project in the amount of \$1,206,023.50. On January 26 2016, Amendment No. 1 to the contract was approved making the City of Norman a party to the contract, and Change Order No. 1 adding 3,000 square yards (SY) of additional paving for the westernmost lane of Berry Road at a cost of \$410,205 was approved by the City/NUA.

On September 22, 2015, the NUA approved Contract K-1516-80 with Central Contracting Services, Inc.; for the construction of Phase 3 of the Berry Road Waterline Replacement project in the amount of \$1,767,030. Construction began May 2, 2016 with completion expected by December 27, 2016.

On January 26, 2016, Change Order No. One to Contract K-1516-43 increasing the contract amount by \$410,205 for a revised contract amount of \$1,616,228.50. added the rehabilitation of the full west lane of Berry Road to project. Amendment No. One to the contract was also approved at this time which added the City of Norman to the Norman Utilities Authority contract to provide a funding source for the road construction project.

DISCUSSION: The project work including waterline installations and roadway reconstruction was essentially complete and placed into service on April 22, 2016 prior to the contract end date of May 1, 2016. Minor cleanup activities continued after that date and are now complete.

Proposed Change Order No. 2 will reconcile as-bid to as-built quantities and incorporate several items of new work. As shown in the change order, the project cost will increase by a total of \$233,198.71; Attachment 1 details the cost increase of \$111,633.71 to reconcile as-bid to as-built quantities while Attachment 2 details the cost increase of \$121,565.00 for new work. The reasoning for these over-runs is discussed below.

Reconcile as-bid to as-built quantities: the major increases relate to adding 84 small diameter bends to avoid underground obstacles when re-connecting to twenty-five (25) existing waterlines on both sides of Berry Road (bid items 35, 36 and 37 totaling \$30,550); removal and replacement of additional concrete pavement, driveways and curbs (bid items 38, 39 and 40) totaling \$124,122.50 which was mostly due to extending the work approximately 310 feet to the north of Main Street to minimize future construction activities for businesses in that area. As shown in Attachment 1, the net increase was \$111,633.71 with \$98,728.71 attributable to the

NUA and \$12,905 attributable to the City of Norman.

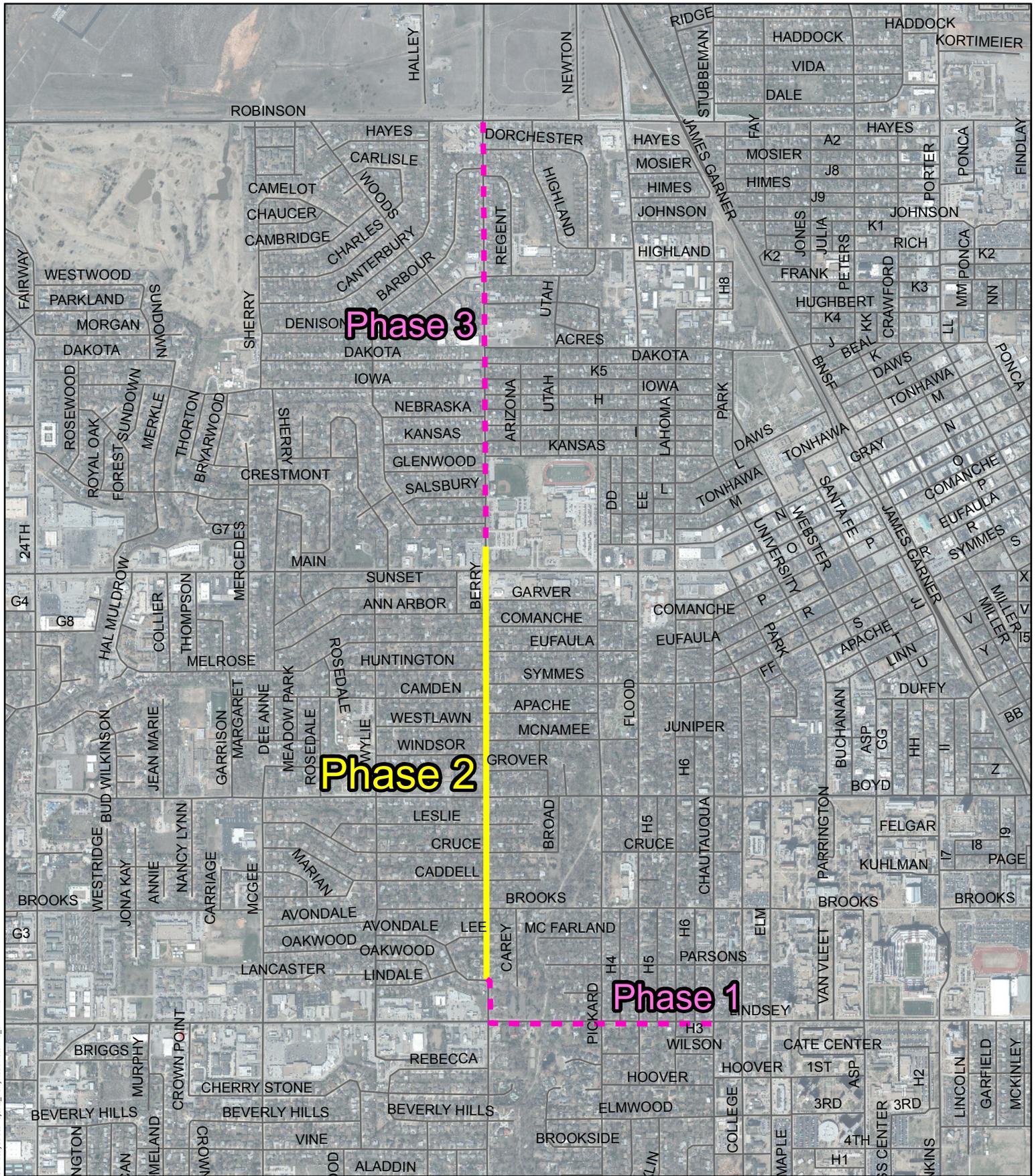
New Work: As shown in Attachment 2, the net increase was \$121,565 or about 10% of the original bid amount. The major cost items were to directional drill 16-inch fusible PVC piping north-south under Main Street (100 feet costing \$25,000) and east-west under Berry Road (280 feet costing \$85,000) in lieu of open-cut trenching. Directional drilling was chosen to minimize the disruption to east-west traffic along Main Street and minimize the duration of road closures at the intersection of Berry and Main. Attachment 3 and 4 break down the lump sum costs for these two items. The remaining \$11,565 in new work was to incorporate new unit prices for fittings not called out in the original bid schedule; these unit prices were negotiated with the contractor and are generally less the unit prices recently bid for the Lindsey Street Waterline Improvements.

The NUA portion of the additional work in the amount of \$220,293.71 will be funded under project Berry Road Waterline Replacement, Construction (account 031-9521-462.61-01; project WB0305), which has a remaining balance of \$158,094. To provide the remaining required funding, a minimum of \$62,200 will need to be transferred from Project WB084, Segment D Waterline Improvements, Construction (031-9360-462.61-01) into Project WB0305, Berry Road Waterline Replacement, Construction (031-9521-462.61-01).

The additional work funded by the City of Norman in the amount of \$12,905 will be funded by the Urban Asphalt Pavement Rehabilitation project. The FYE 2017 Budget for Project BP0241, Urban Asphalt Pavement Rehabilitation, Construction. (050-9401-431-61.01) has an unencumbered balance of \$392,653. Adequate funds are available to fund the Public Works' portion of Change Order No. 2 in the amount of \$12,905.

RECOMMENDATION: It is recommended that the City of Norman and the Norman Utilities Authority approve Change Order No. 2 to Contract K-1516-43 with McKee Utility Contractors, Inc. increasing the contract amount by \$233,198.71 for a revised contract amount of \$1,849,427.21. It is also recommended that \$65,000 be transferred from Segment D Waterline Improvements, Construction (account 031-9360-462.61-01; project WB0184) into Berry Road Waterline Replacement, Construction (account 031-9521-462.61-01; project WB0305).

Lastly, it is recommended that the City of Norman and the Norman Utilities Authority accept the Berry Waterline Replacement project, Phase 2 and authorize final payment in the amount of \$244,027.25 to McKee Utility Contractors, Inc.

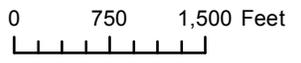


Berry Road Waterline Replacement Project

Phase 2



September 11, 2015



Map Produced by the City of Norman
Geographic Information System.

The City of Norman assumes no
responsibility for errors or omissions
in the information presented.

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NORMAN UTILITIES AUTHORITY
 CITY OF NORMAN
 CLEVELAND COUNTY, OKLAHOMA

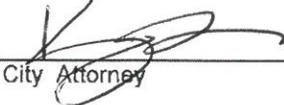
DATE: August 29, 2016
 CHANGE ORDER NO. 2 (Final)
 CONTRACT NO.: Contract # K-1516-43
 PROJECT: Berry Road Waterline Phase 2
 CONTRACTOR: McKee Utility Contractors
2319 W. Main St.
Prague, OK

	<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% \$2,000.00

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