

NORMAN UTILITIES AUTHORITY
CITY OF NORMAN
CLEVELAND COUNTY, OKLAHOMA

DATE: November 30, 2017
CHANGE ORDER NO.: Six (6) (Final)
CONTRACT NO.: Contract # K-1516-80
PROJECT: Berry Road Waterline Phase 3
CONTRACTOR: Central Contracting Services
17301 S. Sunnyslane Ave
Norman, OK 73071

	<u>Contract Time</u>		<u>Contract Amount</u>
ORIGINAL:	<u>180</u>	calendar days	<u>\$1,470,680.00</u>
PREVIOUS CHANGE ORDERS:	<u>291</u>	calendar days	<u>\$1,890,740.00</u>
THIS CHANGE ORDER:	<u>59</u>	calendar days	<u>\$76,126.54</u>
REVISED:	<u>530</u>	calendar days	<u>\$3,437,546.54</u>
ORIGINAL START DATE:	<u>May 2, 2016</u>		
ORIGINAL COMPLETION DATE:	<u>October 29, 2016</u>		
PREVIOUS COMPLETION DATE:	<u>August 16, 2017</u>		
NEW COMPLETION DATE:	<u>October 14, 2017</u>		

DESCRIPTION:	\$ Increase	\$ Decrease
Item 1: Reconcile "As Bid" to "As-Built" quantities as detailed on Attachment 1 for original contract work to install 16-inch waterline and reconstruct western driving lane on Berry Road between Main Street and Robinson Street.	25,814.05	0.00
Item 2: Reconcile "Estimated" to "As-Built" quantities as detailed on Attachment 1 for Change Order No. 1 work to install 16-inch waterline on Main Street between Berry Road and Flood Avenue.	0.00	-22,319.00
Item 3: Reconcile "Estimated" to "As-Built" quantities as detailed on Attachment 1 for Change Order No. 2 work to install 16-inch waterline on Main Street between Flood Avenue and Park Avenue.	3,797.00	0.00
Item 4: Reconcile "Estimated" to "As-Built" quantities as detailed on Attachment 1 for Change Order No. 3 work to install 16-inch waterline in preparation for the Main Street Enhancement Project between Park Avenue and the railroad.	0.00	-480.00

Item 5: Reconcile "Estimated" to "As-Built" quantities as detailed on Attachment 1 for Change Order No. 4 work to install 6-inch fire lines in preparation for the Main Street Enhancement Project between Park Avenue and the railroad.	8,553.80	0.00
Item 6: Reconcile "Estimated" to "As-Built" quantities as detailed on Attachment 1 for Change Order No. 5 work to install 24-inch waterline and reconstruct western driving lane on Chautauqua Avenue between Lindsey Street and Timberdell.	60,760.69	0.00

SUBMITTED BY
CONTRACTOR:

Dale Tipken
Dale Tipken, Central Contracting Services

Date: 12-20-17

RECOMMENDED BY
NUA ENGINEER:

Mark Daniels
Mark Daniels, Utilities Engineer



Date: 12-20-17

ACCEPTED BY
NORMAN UTILITIES AUTHORITY:

City Attorney

Date: _____

ACCEPTED BY
NORMAN UTILITIES AUTHORITY:

Lynne Miller, Chairperson

Date: _____

**ATTACHMENT 1
CITY OF NORMAN, OKLAHOMA
Berry Road Waterline Phase 3**

Contract K-1516-80
Change Order No. 6
1 of 6

		Units	Unit Price	Original Quantity	Original Amount	Final Quantity	Final Amount	Changed Amount
Contract # K-1516-80								
Central Contracting Services, Inc.								
17301 S. Sunnyslane Ave								
Norman, OK 73071								
NUA Original Contract: Berry WL, Main To Robinson								
1	Open Cut 24" C905 PVC DR-18, Complete	LF	\$100	140	\$14,000	140	\$14,000.00	0.00
2	Open Cut 16" C905 PVC DR-18, Complete	LF	75	5,000	\$375,000	5,047	\$378,525.00	3,525.00
3	Open Cut Restrained 16-inch Diameter C905 (DR-18) in 30 inch casing	LF	\$170	200	\$34,000	53	\$9,010.00	-24,990.00
4	Open Cut 12" C900 PVC DR-18, Complete	LF	\$45	90	\$4,050	154	\$6,930.00	2,880.00
5	Open Cut 8" C900 PVC DR-18, Complete	LF	\$40	126	\$5,040	130	\$5,200.00	160.00
6	Open Cut 6" C900 PVC DR-18, Complete	LF	\$35	680	\$23,800	765	\$26,775.00	2,975.00
7	Bore and Encase 16" C905 PVC DR-18 with 30" Steel Casing, Complete	LF	\$460	90	\$41,400	90	\$41,400.00	0.00
8	Connect 24-inch PVC to Existing 16-inch Waterline	EA	\$3,000	2	\$6,000	2	\$6,000.00	0.00
9	Connect 16-inch PVC to Existing 16-inch Waterline	EA	\$3,000	1	\$3,000	1	\$3,000.00	0.00
10	Connect 12-inch PVC Pipe to Existing 12-inch Waterline	EA	\$2,000	2	\$4,000	2	\$4,000.00	0.00
11	Connect 8-inch PVC Pipe to Existing 8-inch Waterline	EA	\$1,000	3	\$3,000	3	\$3,000.00	0.00
12	Connect 6-inch PVC Pipe to Existing 6-inch Waterline	EA	\$1,000	18	\$18,000	18	\$18,000.00	0.00
13	24-Inch Butterfly Valves	EA	\$5,000	2	\$10,000	2	\$10,000.00	0.00
14	16-Inch Butterfly Valves	EA	\$2,500	6	\$15,000	6	\$15,000.00	0.00
15	12-Inch Resilient Seated Gate Valves	EA	\$2,000	3	\$6,000	4	\$8,000.00	2,000.00
16	8-Inch Resilient Seated Gate Valves	EA	\$1,000	6	\$6,000	6	\$6,000.00	0.00
17	6-Inch Resilient Seated Gate Valves	EA	\$900	35	\$31,500	37	\$33,300.00	1,800.00
18	Single Short Water Service Connection	EA	\$300	25	\$7,500	6	\$1,800.00	-5,700.00
19	Single Long Water Service Connection	EA	\$600	25	\$15,000	47	\$28,200.00	13,200.00
20	Fire Hydrant Assembly	EA	\$2,500	24	\$60,000	24	\$60,000.00	0.00
21	Remove Fire Hydrant Assembly	EA	\$200	14	\$2,800	14	\$2,800.00	0.00
22	2" Air Release Valve & Vault, Complete	EA	\$2,500	1	\$2,500	-	\$0.00	-2,500.00
23	Temporary Blow-Off	EA	\$1,500	4	\$6,000	4	\$6,000.00	0.00
24	16-inch x 12-inch Cross	EA	\$1,800	1	\$1,800	1	\$1,800.00	0.00
25	16-inch x 8-inch Cross	EA	\$1,500	1	\$1,500	1	\$1,500.00	0.00
26	24-inch x 24-inch x 16-inch Tee	EA	\$2,000	1	\$2,000	1	\$2,000.00	0.00
27	16-inch x 16-inch x 12-inch Tee	EA	\$1,200	2	\$2,400	2	\$2,400.00	0.00
28	16-inch x 16-inch x 8-inch Tee	EA	\$1,100	1	\$1,100	1	\$1,100.00	0.00
29	16-inch x 16-inch x 6-inch Tee	EA	\$1,000	21	\$21,000	23	\$23,000.00	2,000.00
30	12-inch x 12-inch x 6-inch Tee	EA	\$500	1	\$500	1	\$500.00	0.00
31	8-inch x 8-inch x 6-inch Tee	EA	\$400	3	\$1,200	3	\$1,200.00	0.00
32	6-inch x 6-inch x 6-inch Tee	EA	\$400	17	\$6,800	17	\$6,800.00	0.00
33	24-inch 45 Degree Bend	EA	\$1,800	4	\$7,200	4	\$7,200.00	0.00
34	16-inch 11.25 Degree Bend	EA	\$900	3	\$2,700	3	\$2,700.00	0.00
35	16-inch 45 Degree Bend	EA	\$900	3	\$2,700	6	\$5,400.00	2,700.00
36	12-inch 45 Degree Bend	EA	\$700	3	\$2,100	6	\$4,200.00	2,100.00
37	8-inch 45 Degree Bend	EA	\$400	6	\$2,400	13	\$5,200.00	2,800.00
38	6-inch 45 Degree Bend	EA	\$400	36	\$14,400	90	\$36,000.00	21,600.00
39	6-inch x6-Inch Reducer	EA	\$1,000	2	\$2,000	2	\$2,000.00	0.00
40	8-inch x6-Inch Reducer	EA	\$400	2	\$800	2	\$800.00	0.00
41	6-inch x 4-Inch Reducer	EA	\$400	1	\$400	3	\$1,200.00	800.00
42	Removal and Replacement of Existing Concrete Flume	LF	\$65	6	\$390	-	\$0.00	-390.00
43	Removal and Replacement of Existing High-Early P.C. Concrete Pavement	SY	\$65	4,141	\$269,165	4,421	\$287,340.30	18,175.30

ATTACHMENT 1
CITY OF NORMAN, OKLAHOMA
Berry Road Waterline Phase 3

		SY	\$50	1,450	\$72,500	1,120	\$56,000.00	-16,500.00	
		SY	\$65	200	\$13,000	91	\$5,915.00	-7,085.00	
		SY	\$65	40	\$2,600	2	\$130.00	-2,470.00	
		LF	\$12	1,966	\$23,592	2,808	\$33,696.00	10,104.00	
		SY	\$100	24	\$2,400	78.7	\$7,870.00	5,470.00	
		SY	\$36	400	\$14,400	180.5	\$6,498.00	-7,902.00	
		LF	\$1	1,668	\$1,668	2,177.4	\$2,177.40	509.40	
		SY	\$2	3,300	\$6,600	-	\$0.00	-6,600.00	
		LS	\$2,000	1	\$2,000.00	1	\$2,000.00	0.00	
		LS	\$5,000	1	\$5,000	2	\$10,000.00	5,000.00	
		LS	\$2,000	1	\$2,000	1	\$2,000.00	0.00	
		LS	\$2,000	1	\$2,000	1	\$2,000.00	0.00	
		LS	\$5,000	1	\$5,000	3	\$15,000.00	10,000.00	
		TN	\$1	5,000	\$5,000	5,000	\$5,000.00	0.00	
		SY	\$4	335	\$1,340	16.9	\$67.60	-1,272.40	
		LS	\$35,000	1	\$35,000	1	\$35,000.00	0.00	
		SY	\$85	100	\$8,500	38	\$3,230.00	-5,270.00	
		LF	\$2	5,000	\$10,000	5,842	\$11,684.00	1,684.00	
				Original Subtotal	\$1,248,745.00		\$1,277,548.30	\$28,803.30	
								2.3%	
City Original Contract: Berry Paving, Main To Robinson									
43	Removal and Replacement of Existing High-Early P.C. Concrete Pavement	SY	\$65	3,194	\$207,610	3,156.35	\$205,162.75	-2,447.25	
47	Removal and Replacement of Concrete Curb & Gutter	LF	\$12	1,034	\$12,408	1,034	\$12,408.00	0.00	
48	Removal and Replacement of Existing Handicap Ramp	SY	\$100	-	\$0	-	\$0.00	0.00	
50	8-Inch Dowel Baskets	LF	\$1	1,917	\$1,917	1,375	\$1,375.00	-542.00	
				Original Subtotal	\$221,935.00				
				Original Total	\$1,470,680.00		\$218,945.75	-\$2,989.25	
						Revised City Subtotal	\$1,496,494.05	1.7%	
NUA Change Order #1, Main Street WL Berry to Flood									
2	Open Cut 16" C905 PVC DR-18, Complete	LF	\$75	1,800	\$135,000	1,600	\$120,000.00	-15,000.00	
4	Open Cut 12" C900 PVC DR-18, Complete	LF	\$45	200	\$9,000	22	\$990.00	-8,010.00	
5	Open Cut 8" C900 PVC DR-18, Complete	LF	\$40	200	\$8,000	10	\$400.00	-7,600.00	
6	Open Cut 6" C900 PVC DR-18, Complete	LF	\$35	400	\$14,000	450	\$15,750.00	1,750.00	
9	Connect 16-inch PVC to Existing 16-inch Waterline	EA	\$3,000	2	\$6,000	2	\$6,000.00	0.00	
11	Connect 8-inch PVC Pipe to Existing 8-inch Waterline	EA	\$1,000	4	\$4,000	1	\$1,000.00	-3,000.00	
12	Connect 6-inch PVC Pipe to Existing 6-inch Waterline	EA	\$1,000	1	\$1,000	3	\$3,000.00	2,000.00	
14	16-Inch Butterfly Valves	EA	\$2,500	2	\$5,000	3	\$7,500.00	2,500.00	
15	12-Inch Resilient Seated Gate Valves	EA	\$2,000	1	\$2,000	-	\$0.00	-2,000.00	
16	8-Inch Resilient Seated Gate Valves	EA	\$1,000	4	\$4,000	1	\$1,000.00	-3,000.00	
17	6-Inch Resilient Seated Gate Valves	EA	\$900	2	\$1,800	3	\$2,700.00	900.00	
18	Single Short Water Service Connection	EA	\$300	13	\$3,900	17	\$5,100.00	1,200.00	
19	Single Long Water Service Connection	EA	\$600	-	\$0	14	\$8,400.00	8,400.00	

**ATTACHMENT 1
CITY OF NORMAN, OKLAHOMA
Berry Road Waterline Phase 3**

Contract K-1516-80
Change Order No. 6
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Item No.	Description	Units	Unit Price	Original Quantity	Original Amount	Final Quantity	Final Amount	Changed Amount
20	Fire Hydrant Assembly	EA	\$2,500	5	\$12,500	5	\$12,500.00	0.00
21	Remove Fire Hydrant Assembly	EA	\$200	3	\$600	-	\$0.00	-600.00
22	2" Air Release Valve & Vault, Complete	EA	\$2,500	1	\$2,500	-	\$0.00	-2,500.00
23	Temporary Blow-Off	EA	\$1,500	3	\$4,500	7	\$10,500.00	6,000.00
27	16-inch x 16-inch x 12-inch Tee	EA	\$1,200	1	\$1,200	-	\$0.00	-1,200.00
28	16-inch x 16-inch x 8-inch Tee	EA	\$1,100	1	\$1,100	1	\$1,100.00	0.00
29	16-inch x 16-inch x 6-inch Tee	EA	\$1,000	1	\$1,000	5	\$5,000.00	4,000.00
31	8-inch x 8-inch x 6-inch Tee	EA	\$400	-	\$0	-	\$0.00	0.00
34	16-inch 11.25 Degree Bend	EA	\$900	2	\$1,800	-	\$0.00	-1,800.00
35	16-inch 45 Degree Bend	EA	\$900	4	\$3,600	3	\$2,700.00	-900.00
36	12-inch 45 Degree Bend	EA	\$700	2	\$1,400	2	\$1,400.00	0.00
37	8-inch 45 Degree Bend	EA	\$400	4	\$1,600	2	\$800.00	-800.00
38	6-inch 45 Degree Bend	EA	\$400	6	\$2,400	8	\$3,200.00	800.00
45	Removal and Replacement of Existing P.C. Concrete Drive	SY	\$65	200	\$13,000	601	\$39,065.00	26,065.00
47	Removal and Replacement of Concrete Curb & Gutter	LF	\$12	1,750	\$21,000	95	\$1,140.00	-19,860.00
48	Removal and Replacement of Existing Handicap Ramp	SY	\$100	3	\$300	5	\$500.00	200.00
49	Removal and Replacement of Existing Sidewalk	SY	\$36	900	\$32,400	196	\$7,056.00	-25,344.00
57	ODOT Type "A" Aggregate	TN	\$1	1,750	\$1,750	1,750	\$1,750.00	0.00
60	Remove Concrete Pavement (Main Street Panels by A-Tech only)	SY	\$8	-	\$0	1,935	\$15,480.00	15,480.00
Change Order No. 1 Subtotal					\$296,350.00			
Revised Subtotal CO#1					\$274,031.00			-22,319.00
NUA Share							\$274,031.00	
City Share							\$0.00	
NUA Change Order #2, Main Street WL Flood to Park								
2	Open Cut 16" C905 PVC DR-18, Complete	LF	\$75	1,200	\$90,000	1,160	\$87,000.00	-3,000.00
3	Open Cut Restrained 16-inch Diameter C905 (DR-18) in 30 inch casing	LF	\$170	20	\$3,400	-	\$0.00	-3,400.00
5	Open Cut 8" C900 PVC DR-18, Complete	LF	\$40	500	\$20,000	551	\$22,040.00	2,040.00
6	Open Cut 6" C900 PVC DR-18, Complete	LF	\$35	70	\$2,450	205	\$7,175.00	4,725.00
7	Bore and Encase 16" C905 PVC DR-18 with 30" Steel Casing, Complete	LF	\$460	30	\$13,800	40	\$18,400.00	4,600.00
9	Connect 16-inch PVC to Existing 16-inch Waterline	EA	\$3,000	2	\$6,000	1	\$3,000.00	-3,000.00
11	Connect 8-inch PVC Pipe to Existing 8-inch Waterline	EA	\$1,000	2	\$2,000	2	\$2,000.00	0.00
12	Connect 6-inch PVC Pipe to Existing 6-inch Waterline	EA	\$1,000	1	\$1,000	1	\$1,000.00	0.00
14	16-Inch Butterfly Valves	EA	\$2,500	4	\$10,000	1	\$2,500.00	-7,500.00
16	8-inch Resilient Seated Gate Valves	EA	\$1,000	6	\$6,000	2	\$2,000.00	-4,000.00
17	6-inch Resilient Seated Gate Valves	EA	\$900	2	\$1,800	1	\$900.00	-900.00
18	Single Short Water Service Connection	EA	\$300	5	\$1,500	3	\$2,700.00	1,200.00
19	Single Long Water Service Connection	EA	\$600	-	\$0	9	\$1,800.00	1,800.00
20	Fire Hydrant Assembly	EA	\$2,500	3	\$7,500	5	\$12,500.00	5,000.00
21	Remove Fire Hydrant Assembly	EA	\$200	3	\$600	4	\$800.00	200.00
23	Temporary Blow-Off	EA	\$1,500	2	\$3,000	2	\$3,000.00	0.00
28	16-inch x 16-inch x 8-inch Tee	EA	\$1,100	3	\$3,300	3	\$3,300.00	0.00
29	16-inch x 16-inch x 6-inch Tee	EA	\$1,000	4	\$4,000	3	\$3,000.00	-1,000.00
35	16-inch 45 Degree Bend	EA	\$900	8	\$7,200	3	\$2,700.00	-4,500.00
37	8-inch 45 Degree Bend	EA	\$400	12	\$4,800	7	\$2,800.00	-2,000.00
38	6-inch 45 Degree Bend	EA	\$400	6	\$2,400	9	\$3,600.00	1,200.00

**ATTACHMENT 1
CITY OF NORMAN, OKLAHOMA
Berry Road Waterline Phase 3**

Contract K-1516-80
Change Order No. 6
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NUA/City	Change Order #3, Main Street Enhancement (Park to Railroad)	Units	Unit Price	Original Quantity	Original Amount	Final Quantity	Final Amount	Changed Amount
45	Removal and Replacement of Existing P.C. Concrete Drive	SY	\$65	100	\$6,500	155	\$10,075.00	3,575.00
45	Removal and Replacement of Existing P.C. Concrete Drive (City work)	SY	\$65	-	\$0	78	\$5,070.00	5,070.00
47	Removal and Replacement of Concrete Curb & Gutter	LF	\$12	80	\$960	97	\$1,164.00	204.00
48	Removal and Replacement of Existing Handicap Ramp	SY	\$100	2	\$200	-	\$0.00	-200.00
49	Removal and Replacement of Existing Sidewalk	SY	\$36	320	\$11,520	53	\$1,908.00	-9,612.00
50	8-inch Dowel Baskets	LF	\$1	-	\$0	170	\$170.00	170.00
NEW	Fast Track Concrete (City work from A-Tech Contract)	SY	\$275	-	\$0	64	\$17,600.00	17,600.00
57	ODOT Type "A" Aggregate	TN	\$1	1,070	\$1,070	1,315	\$1,315.00	245.00
60	Remove Concrete Pavement (Main Street Panels by A-Tech only)	SY	\$8	1,920	\$15,360	1,330	\$10,640.00	-4,720.00
	Change Order No. 2 Subtotal				\$226,360.00			
	Revised Subtotal CO#2				\$230,157.00			\$3,797.00
	NUA Share						\$207,487.00	
	City Share						\$22,670.00	
								1.7%
Note: City to pay for Fast Track (\$17,600) and 78 SY pavement (\$5,070) originally to be performed by A-Tech								
NUA/City	Change Order #3, Main Street Enhancement (Park to Railroad)	Units	Unit Price	Original Quantity	Original Amount	Final Quantity	Final Amount	Changed Amount
2	Open Cut 16" C905 PVC DR-18, Complete	LF	\$75	1,918	\$143,850	1,904	\$142,800.00	-1,050.00
4	Open Cut 12" C900 PVC DR-18, Complete	LF	\$45	101	\$4,545	87	\$3,915.00	-630.00
5	Open Cut 8" C900 PVC DR-18, Complete	LF	\$40	308	\$12,320	347	\$13,880.00	1,560.00
6	Open Cut 6" C900 PVC DR-18, Complete	LF	\$35	348	\$12,180	249	\$8,715.00	-3,465.00
10	Connect 12-inch PVC Pipe to Existing 12-inch Waterline	EA	\$2,000	1	\$2,000	1	\$2,000.00	0.00
11	Connect 8-inch PVC Pipe to Existing 8-inch Waterline	EA	\$1,000	2	\$2,000	5	\$5,000.00	3,000.00
14	16-inch Butterfly Valves	EA	\$2,500	2	\$5,000	4	\$10,000.00	5,000.00
15	12-inch Resilient Seated Gate Valves	EA	\$2,000	1	\$2,000	1	\$2,000.00	0.00
16	8-inch Resilient Seated Gate Valves	EA	\$1,000	5	\$5,000	5	\$5,000.00	0.00
17	6-inch Resilient Seated Gate Valves	EA	\$900	4	\$3,600	3	\$2,700.00	-900.00
18	Single Short Water Service Connection	EA	\$300	20	\$6,000	30	\$9,000.00	3,000.00
19	Single Long Water Service Connection	EA	\$600	35	\$21,000	22	\$13,200.00	-7,800.00
20	Fire Hydrant Assembly	EA	\$2,500	7	\$17,500	9	\$22,500.00	5,000.00
21	Remove Fire Hydrant Assembly	EA	\$200	7	\$1,400	9	\$1,800.00	400.00
23	Temporary Blow-Off	EA	\$1,500	1	\$1,500	3	\$4,500.00	3,000.00
25	16-inch x 8-inch Cross	EA	\$1,500	2	\$3,000	3	\$4,500.00	1,500.00
28	16-inch x 16-inch x 8-inch Tee	EA	\$1,100	1	\$1,100	1	\$1,100.00	0.00
29	16-inch x 16-inch x 6-inch Tee	EA	\$1,000	9	\$9,000	8	\$8,000.00	-1,000.00
30	12-inch x 12-inch x 6-inch Tee	EA	\$500	1	\$500	1	\$500.00	0.00
31	8-inch x 8-inch x 6-inch Tee	EA	\$400	2	\$800	3	\$1,200.00	400.00
32	6-inch x 6-inch x 6-inch Tee	EA	\$400	1	\$400	1	\$400.00	0.00
35	16-inch 45 Degree Bend	EA	\$900	10	\$9,000	1	\$900.00	-8,100.00
36	12-inch 45 Degree Bend	EA	\$700	-	\$0	2	\$1,400.00	1,400.00
37	8-inch 45 Degree Bend	EA	\$400	20	\$8,000	9	\$3,600.00	-4,400.00
38	6-inch 45 Degree Bend	EA	\$400	6	\$2,400	27	\$10,800.00	8,400.00
40	8-inch x6-Inch Reducer	EA	\$400	2	\$800	3	\$1,200.00	400.00
41	6-inch x 4-Inch Reducer	EA	\$400	1	\$400	1	\$400.00	0.00
43	Removal and Replacement of Existing High-Early P.C. Concrete Pavement	SY	\$65	1,717	\$111,605	1,185	\$77,025.00	-34,580.00
47	Removal and Replacement of Concrete Curb & Gutter	SY	\$12	400	\$4,800	-	\$0.00	-4,800.00
49	Removal and Replacement of Existing Sidewalk	SY	\$36	200	\$7,200	35	\$1,260.00	-5,940.00
53	Construction Traffic Control (this project only)	LS	\$5,000	1	\$5,000	1	\$5,000.00	0.00
54	Construction Staking (this project only)	LS	\$2,000	1	\$2,000	1	\$2,000.00	0.00

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Berry Road Waterline Phase 3**

	Units	Unit Price	Original Quantity	Original Amount	Final Quantity	Final Amount	Changed Amount
56	LS	\$5,000	1	\$5,000	1	\$5,000.00	0.00
N1	EA	\$1,000	1	\$1,000	2	\$2,000.00	1,000.00
N2	EA	\$1,000	3	\$3,000	4	\$4,000.00	1,000.00
N3	EA	\$1,500	1	\$1,500	1	\$1,500.00	0.00
N4	EA	\$900	1	\$900	-	\$0.00	-900.00
N5	EA	\$1,100	1	\$1,100	-	\$0.00	-1,100.00
N6	EA	\$900	1	\$900	1	\$900.00	0.00
N7	TN	\$25	2,800	\$70,000	2,765	\$69,125.00	-875.00
N8	EA	\$4,000	6	\$24,000	16	\$64,000.00	40,000.00
N9	EA	\$11,000	1	\$11,000	1	\$11,000.00	0.00
Change Order No. 3 Subtotal				\$ 524,300.00			
				Revised Subtotal CO#3		\$523,820.00	-\$480.00
				NUA Share		\$261,910.00	
				City Share		\$261,910.00	

Note: City and NUA to each pay for 50% of Change Order No. 3.

NUA/City	Change Order #4, Add Fire Lines, Main Street Enhancement	Units	Unit Price	Original Quantity	Original Amount	Final Quantity	Final Amount	Changed Amount
6	Open Cut 6" C900 PVC DR-18, Complete	LF	\$35	325	\$11,375	352	\$12,320.00	945.00
12	Connect 6-inch PVC Pipe to Existing 6-inch Waterline	EA	\$1,000	-	\$0	2	\$2,000.00	2,000.00
17	6-Inch Resilient Seated Gate Valves	EA	\$900	18	\$16,200	19	\$17,100.00	900.00
29	16-inch x 16-inch x 6-inch Tee	EA	\$1,000	9	\$9,000	7	\$7,000.00	-2,000.00
32	6-inch x 6-inch x 6-inch Tee	EA	\$400	-	\$0	1	\$400.00	400.00
38	6-inch 45 Degree Bend	EA	\$400	-	\$0	4	\$1,600.00	1,600.00
43	Removal and Replacement of Existing High-Early P.C. Concrete Pavement	SY	\$65	181	\$11,765	201.6	\$13,104.00	1,339.00
47	Removal and Replacement of Concrete Curb & Gutter	LF	\$12	45	\$540	22	\$264.00	-276.00
49	Removal and Replacement of Existing Sidewalk	SY	\$36	15	\$540	25.3	\$910.80	370.80
N7	Traffic Bound Surface Course, Type E	TN	\$25	255	\$6,375	250	\$6,250.00	-125.00
N8	Trenching across Main Street at night	EA	\$4,000	2	\$8,000	3	\$12,000.00	4,000.00
N10	6" Cap w/ megalug and tap	EA	\$300	9	\$2,700	7	\$2,100.00	-600.00
Change Order No. 4 Subtotal				\$ 66,495.00				
				Revised Subtotal CO#4		\$75,048.80	\$8,553.80	
				NUA Share		\$37,524.40		
				City Share		\$37,524.40		

Note: City and NUA to each pay for 50% of Change Order No. 4.

NUA/City	Change Order #5, Add Chautauqua WL Lindsey to Timberdell	Units	Unit Price	Original Quantity	Original Amount	Final Quantity	Final Amount	Changed Amount
1	Open Cut 24" C905 PVC DR-18, Complete	LF	\$100	2,980	\$298,000	2,645	\$264,500.00	-33,500.00
4	Open Cut 12" C900 PVC DR-18, Complete	LF	\$45	60	\$2,700	133	\$5,985.00	3,285.00
5	Open Cut 8" C900 PVC DR-18, Complete	LF	\$40	30	\$1,200	254	\$10,160.00	8,960.00
6	Open Cut 6" C900 PVC DR-18, Complete	LF	\$35	525	\$18,375	571	\$19,985.00	1,610.00
8	Connect 24-inch PVC to Existing 16-inch Waterline	EA	\$3,000	1	\$3,000	1	\$3,000.00	0.00
10	Connect 12-inch PVC Pipe to Existing 12-inch Waterline	EA	\$2,000	1	\$2,000	1	\$2,000.00	0.00
11	Connect 8-inch PVC Pipe to Existing 8-inch Waterline	EA	\$1,000	1	\$1,000	2	\$2,000.00	1,000.00
12	Connect 6-inch PVC Pipe to Existing 6-inch Waterline	EA	\$1,000	11	\$11,000	9	\$9,000.00	-2,000.00
13	24-Inch Butterfly Valves	EA	\$5,000	3	\$15,000	2	\$10,000.00	-5,000.00
15	12-Inch Resilient Seated Gate Valves	EA	\$2,000	1	\$2,000	1	\$2,000.00	0.00
16	8-Inch Resilient Seated Gate Valves	EA	\$1,000	1	\$1,000	5	\$5,000.00	4,000.00
17	6-Inch Resilient Seated Gate Valves	EA	\$900	14	\$12,600	14	\$12,600.00	0.00

**ATTACHMENT 1
CITY OF NORMAN, OKLAHOMA
Berry Road Waterline Phase 3**

Contract K-1516-80
Change Order No. 6
6 of 6

18	Single Short Water Service Connection	EA	\$300	18	\$5,400	15	\$4,500.00	-900.00
19	Single Long Water Service Connection	EA	\$600	8	\$4,800	14	\$8,400.00	3,600.00
20	Fire Hydrant Assembly	EA	\$2,500	10	\$25,000	8	\$20,000.00	-5,000.00
21	Remove Fire Hydrant Assembly	EA	\$200	8	\$1,600	7	\$1,400.00	-200.00
22	2" Air Release Valve & Vault, Complete	EA	\$2,500	1	\$2,500	-	\$0.00	-2,500.00
32	6-inch x 6-inch x 6-inch Tee	EA	\$400	2	\$800	7	\$2,800.00	2,000.00
33	24-inch 45 Degree Bend	EA	\$1,800	1	\$1,800	4	\$7,200.00	5,400.00
36	12-inch 45 Degree Bend	EA	\$700	2	\$1,400	-	\$0.00	-1,400.00
37	8-inch 45 Degree Bend	EA	\$400	2	\$800	4	\$1,600.00	800.00
38	6-inch 45 Degree Bend	EA	\$400	20	\$8,000	24	\$9,600.00	1,600.00
43	R&R Existing High-Early P.C. Concrete Pavement (NUJA)	SY	\$65	1,037	\$67,405	1,723.91	\$112,054.15	44,649.15
43	R&R Existing High-Early P.C. Concrete Pavement (City)	SY	\$65	1,363	\$88,595	1,603.45	104,223.93	15,628.93
45	Removal and Replacement of Existing P.C. Concrete Drive	SY	\$65	200	\$13,000	271.95	17,676.43	4,676.43
47	Removal and Replacement of Concrete Curb & Gutter (NUJA)	LF	\$12	1,400	\$16,800	990.79	11,889.48	-4,910.52
47	Removal and Replacement of Concrete Curb & Gutter (City)	LF	\$12	900	\$10,800	998.49	11,981.88	1,181.88
48	Removal and Replacement of Existing Handicap Ramp	EA	\$100	1	\$100	2	200.00	100.00
49	Removal and Replacement of Existing Sidewalk	SY	\$360	100	\$3,600	143.93	5,181.48	1,581.48
50	8-inch Dowel Baskets (NUJA)	LF	\$1	595	\$595	726.67	726.67	131.67
50	8-inch Dowel Baskets (City)	LF	\$1	605	\$605	706.67	706.67	101.67
51	Solid Slab Sod Surface Restoration	SY	\$2	1,000	\$2,000	1,111	\$2,222.00	222.00
52	Clearing & Grubbing	LS	\$2,000	1	\$2,000	1	\$2,000.00	0.00
53	Construction Traffic Control	LS	\$5,000	1	\$5,000	1	\$5,000.00	0.00
54	Construction Staking	LS	\$2,000	1	\$2,000	1	\$2,000.00	0.00
55	SWPPP & Erosion Control Plan	LS	\$2,000	1	\$2,000	1	\$2,000.00	0.00
56	Mobilization and Insurance	LS	\$5,000	1	\$5,000	1	\$5,000.00	0.00
58	Steel Reinforcement	SY	\$4	40	\$160	40	\$160.00	0.00
B1-32	24"X24"X24" Tee	EA	\$4,000	1	\$4,000	1	\$4,000.00	0.00
B1-34	24"X24"X12" Tee	EA	\$3,400	1	\$3,400	1	\$3,400.00	0.00
B1-35	24"X24"X8" Tee	EA	\$3,400	1	\$3,400	1	\$3,400.00	0.00
B1-36	24"X24"X6" Tee	EA	\$3,400	12	\$40,800	10	\$34,000.00	-6,800.00
B1-48	24"X12" Reducer	EA	\$1,500	1	\$1,500	1	\$1,500.00	0.00
B1-55	24" MJ Plug	EA	\$1,500	1	\$1,500	1	\$1,500.00	0.00
NEW1	24"X2" Saddle Tap Long Service Connection	EA	\$2,750	2	\$5,500	5	\$13,750.00	8,250.00
NEW2	Traffic Bound Surface Course, Type E	TN	\$25	3,100	\$77,500	2,897.32	\$72,433.00	-5,067.00
NEW3	Purchase Remaining 24-inch C-905 PVC Pipe	LF	\$53.50	-	\$0.00	360	\$19,260.00	19,260.00
Change Order No. 5 Subtotal					\$777,235			
					Revised Subtotal CO#5		\$837,995.69	\$60,760.69
						NUA Share	\$721,083.21	\$43,848.21
						Revised Share	\$116,912.48	\$16,912.48
						Net Change CO#6 =		\$76,126.54
						Previous Contract Amount =	\$3,361,420.00	
						Revised Contract Amount =	\$3,437,546.54	
						NUA Share =	\$2,779,583.91	
						City Share =	\$657,962.63	
						Previous City Contributions =	\$321,935.00	
						New City Funding =	\$336,027.63	