

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #1F
ALMA ST., GLADYS ST., AND LENNON LN. WATER MAIN EXTENSIONS
PROJECT NO. 12-2039 / CIP NO. 50912
MAY 27, 2014
ORIGINAL CONTRACT AMOUNT: \$583,012.49
CONTRACTOR: RAPID CONSTRUCTION COMPANY, LLC

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	Mobilization	LS	1.00	\$28,000.00	\$28,000.00	1.00	\$28,000.00	\$0.00
2	Construction Staking	LS	1.00	\$4,840.00	\$4,840.00	1.00	\$4,840.00	\$0.00
3	AASHTO T-180 Soil Test	EA	10.00	\$148.50	\$1,485.00	3.00	\$445.50	(\$1,039.50)
4	Traffic Control Plan	LS	1.00	\$550.00	\$550.00	0.00	\$0.00	(\$550.00)
5	Traffic Control	LS	1.00	\$1,595.00	\$1,595.00	0.00	\$0.00	(\$1,595.00)
6	Incidental	LS	1.00	\$25,216.00	\$25,216.00	1.00	\$25,216.00	\$0.00
7	Gravel Cushion	TONS	225.00	\$18.91	\$4,254.75	327.80	\$6,198.70	\$1,943.95
8	6" PVC RJ Water Main C-900, DR-14	LF	82.00	\$30.88	\$2,532.16	117.00	\$3,612.96	\$1,080.80
9	6" 45 Degree Bend	EA	5.00	\$376.93	\$1,884.65	7.00	\$2,638.51	\$753.86
10	8" PVC Water Main C-900, DR-18	LF	164.00	\$31.79	\$5,213.56	74.00	\$2,352.46	(\$2,861.10)
11	8" 45 Degree Bend	EA	2.00	\$456.46	\$912.92	2.00	\$912.92	\$0.00
12	8" Gate Valve W/Box	EA	1.00	\$1,652.03	\$1,652.03	4.00	\$6,608.12	\$4,956.09
13	8" x 6" Tee	EA	2.00	\$575.12	\$1,150.24	2.00	\$1,150.24	\$0.00
14	8" x 6" Reducer	EA	1.00	\$402.27	\$402.27	1.00	\$402.27	\$0.00
15	14	LF	1,542.00	\$68.07	\$104,963.94	1,672.00	\$113,813.04	\$8,849.10
16	18	LF	1,200.00	\$56.41	\$67,692.00	1,205.00	\$67,974.05	\$282.05
17	12" 11.25 Degree Bend	EA	4.00	\$667.29	\$2,669.16	3.00	\$2,001.87	(\$667.29)
18	12" 22.5 Degree Bend	EA	18.00	\$679.40	\$12,229.20	18.00	\$12,229.20	\$0.00
19	12" 45 Degree Bend	EA	8.00	\$704.21	\$5,633.68	10.00	\$7,042.10	\$1,408.42
20	12" High Deflection Coupling	EA	6.00	\$782.94	\$4,697.64	4.00	\$3,131.76	(\$1,565.88)
21	12" MJ Plug	EA	2.00	\$522.59	\$1,045.18	2.00	\$1,045.18	\$0.00
22	12" Gate Valve W/Box	EA	21.00	\$3,117.67	\$65,471.07	21.00	\$65,471.07	\$0.00
23	12" x 8" Reducer	EA	1.00	\$513.00	\$513.00	1.00	\$513.00	\$0.00
24	12" x 6" Reducer	EA	1.00	\$475.12	\$475.12	1.00	\$475.12	\$0.00
25	12" x 12" Tee	EA	5.00	\$1,051.98	\$5,259.90	6.00	\$6,311.88	\$1,051.98
26	12" x 8" Tee	EA	1.00	\$819.24	\$819.24	1.00	\$819.24	\$0.00
27	12" x 6" Tee	EA	4.00	\$768.99	\$3,075.96	4.00	\$3,075.96	\$0.00
28	18	LF	386.00	\$99.42	\$38,376.12	389.00	\$38,674.38	\$298.26

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
29	16" 45 Degree Bend	EA	2.00	\$1,276.79	\$2,553.58	2.00	\$2,553.58	\$0.00
30	16" Gate Valve W/Box	EA	1.00	\$6,701.72	\$6,701.72	1.00	\$6,701.72	\$0.00
31	16" x 6" Tee	EA	1.00	\$1,442.84	\$1,442.84	1.00	\$1,442.84	\$0.00
32	16" x 16" x 16" Tee	EA	1.00	\$1,901.08	\$1,901.08	1.00	\$1,901.08	\$0.00
33	16" x 8" Reducer	EA	1.00	\$860.15	\$860.15	1.00	\$860.15	\$0.00
34	16" x 12" Reducer	EA	1.00	\$888.56	\$888.56	1.00	\$888.56	\$0.00
35	16" MJ Plug	EA	1.00	\$869.60	\$869.60	1.00	\$869.60	\$0.00
36	Connect To Existing Water Main	EA	7.00	\$1,500.00	\$10,500.00	7.00	\$10,500.00	\$0.00
37	Fire hydrant W/Aux Valve, Box & Lead	EA	8.00	\$5,299.80	\$42,398.40	8.00	\$42,398.40	\$0.00
38	48" Sanitary Sewer Manhole Barrel	LF	8.00	\$227.00	\$1,816.00	4.00	\$908.00	(\$908.00)
39	Adjust Manhole frame and Lid	EA	2.00	\$450.00	\$900.00	1.00	\$450.00	(\$450.00)
40	Excavation, Unclassified	CY	5,306.00	\$5.00	\$26,530.00	5,306.00	\$26,530.00	\$0.00
41	Topsoil, Stockpile & Replace	CY	800.00	\$7.10	\$5,680.00	800.00	\$5,680.00	\$0.00
42	Rock Excavation (Grading)	CY	200.00	\$92.97	\$18,594.00	0.00	\$0.00	(\$18,594.00)
43	Rock Excavation (Trench)	CY	200.00	\$92.98	\$18,596.00	192.00	\$17,852.16	(\$743.84)
44	Type I Bedding Material	TONS	100.00	\$18.73	\$1,873.00	0.00	\$0.00	(\$1,873.00)
45	Type II Bedding Material	TONS	100.00	\$20.71	\$2,071.00	0.00	\$0.00	(\$2,071.00)
46	Type III Bedding Material	TONS	100.00	\$20.71	\$2,071.00	0.00	\$0.00	(\$2,071.00)
47	Topsoil, Furnish & Place	CY	500.00	\$28.19	\$14,095.00	650.00	\$18,323.50	\$4,228.50
48	Seeding Fertilizing & Mulching	SY	3,600.00	\$0.77	\$2,772.00	15,700.00	\$12,089.00	\$9,317.00
49	Silt Fence	LF	550.00	\$3.85	\$2,117.50	0.00	\$0.00	(\$2,117.50)
50	Sediment Control Wattle	LF	4,000.00	\$2.48	\$9,920.00	2,955.00	\$7,328.40	(\$2,591.60)
51	Turf Reinforcement Mat	SY	500.00	\$6.60	\$3,300.00	500.00	\$3,300.00	\$0.00
52	Erosion And Water Pollution Control	LS	1.00	\$3,750.00	\$3,750.00	1.00	\$3,750.00	\$0.00
53	Erosion Control, Inlet Protection	EA	8.00	\$110.00	\$880.00	0.00	\$0.00	(\$880.00)
54	Concrete Washout Area	EA	3.00	\$571.00	\$1,713.00	0.00	\$0.00	(\$1,713.00)
55	Vehicle tracking Control	LS	1.00	\$1,004.60	\$1,004.60	1.00	\$1,004.60	\$0.00
56	Type 2 Erosion Control Blanket	SY	2,256.70	\$2.04	\$4,603.67	2,930.00	\$5,977.20	\$1,373.53
57	Liquidated Damages	DAYS	0.00	(\$650.00)	\$0.00	37.00	(\$24,050.00)	(\$24,050.00)
TOTAL					\$583,012.49		\$552,214.32	(\$30,798.17)

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$583,012.49
CCO #1F	(\$30,798.17)	NET INCREASE/(DECREASE):	(\$30,798.17)
	\$0.00	ADJUSTED CONTRACT PRICE:	\$552,214.32
	\$0.00	CHANGE TO DATE:	(\$30,798.17)

<i>RAPID CONSTRUCTION LLC</i>		<i>13 June 14</i>
CONTRACTOR: RAPID CONSTRUCTION	<i>Ben Jensen for</i>	DATE <i>6/12/14</i>
<i>Klare Schroeder</i>		DATE
PROJECT MANAGER: KLARE SCHROEDER, P.E.		<i>6-17-14</i>
<i>Dale Tech</i>		DATE
CITY ENGINEER: DALE TECH, P.E. / L.S.		
MAYOR: SAM KOOIKER		DATE
FINANCE: PAULINE SUMPTION		DATE
CONTRACT TIME CHANGE +/-: 0	NEW CONTRACT TIME: Days	

City Staff recommends approval of this Change Order #1F to Rapid Construction for a decrease of \$30,798.17 based on unit pricing with the following appropriation:

Initial Funding	\$291,506.24	\$291,506.25				\$583,012.49
Fund Type	Water	Water				
Department	0933	0934				
Line Item	4381	4381				
Fund	0602	0602				
CCO #1F	(\$15,399.08)	(\$15,399.09)				(\$30,798.17)
						\$0.00
						\$0.00
Adjusted Funding	\$276,107.16	\$276,107.16			\$552,214.32	\$552,214.32

**CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #1F
ALMA ST., GLADYS ST., AND LENNON LN. WATER MAIN EXTENSIONS
PROJECT NO. 12-2039 / CIP NO. 50912
MAY 27, 2014
ORIGINAL CONTRACT AMOUNT: \$583,012.49
CONTRACTOR: RAPID CONSTRUCTION COMPANY, LLC**

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
3	AASHTO T-180 Soil Test	Actual quantity needed to to complete project.
4	Traffic Control Plan	Not needed for the project.
5	Traffic Control	None was used on the project.
7	Gravel Cushion	Actual quantity needed to to complete project.
8	6" PVC RJ Water Main C-900, DR-14	Actual quantity needed to to complete project.
9	6" 45 Degree Bend	Needed extra at the firehydrants to meet the specifications.
10	8" PVC Water Main C-900, DR-18	Actual quantity needed to to complete project.
12	8" Gate Valve W/Box	Actual quantity needed to to complete project.
15	12" PVC RJ Water Main C-900, DR-14	Plans error went with horizontal distance instead of up or down the slopes so more pipe was required.
16	12" PVC RJ Water Main C-900, DR-18	Actual quantity needed to to complete project.
17	12" 11.25 Degree Bend	Actual quantity needed to to complete project.
19	12" 45 Degree Bend	Actual quantity needed to to complete project.
20	12" High Deflection Coupling	Actual quantity needed to to complete project.
25	12" x 12" Tee	Actual quantity needed to to complete project.
28	16" PVC RJ Water Main C-900, DR-18	Actual quantity needed to to complete project.
38	48" Sanitary Sewer Manhole Barrel	Actual quantity needed to to complete project.
39	Adjust Manhole frame and Lid	Actual quantity needed to to complete project.
42	Rock Excavation (Grading)	None was used on the project.

43	Rock Excavation (Trench)	Actual quantity needed to to complete project.
44	Type I Bedding Material	None was used on the project.
45	Type II Bedding Material	None was used on the project.
46	Type III Bedding Material	None was used on the project.
47	Topsoil, Furnish & Place	Actual quantity needed to cover area. There was not enough topsoil in place to be salvaged.
48	Seeding Fertilizing & Mulching	The areas disturbed grew due to the steepness of the terrain.
49	Silt Fence	None was used on the project.
50	Sediment Control Wattle	Actual quantity needed to to complete project.
53	Erosion Control, Inlet Protection	None was used on the project.
54	Concrete Washout Area	None was used on the project.
56	Type 2 Erosion Control Blanket	Actual quantity needed to to complete project.
57	Liquidated Damages	Contactore was late in starting project.

PREPARED BY: Klare Schroeder, P.E.

DATE: May 27, 2014

		Water		Water		
		0933		0934		
		4381		4381		
FUND		0602		0602		
ITEM NO.	DESCRIPTION OF ITEM	AMOUNT	PERCENT	AMOUNT	PERCENT	
1	Mobilization	0.00	50%	0.00	50%	100%
2	Construction Staking	0.00	50%	0.00	50%	100%
3	AASHTO T-180 Soil Test	-519.75	50%	-519.75	50%	100%
4	Traffic Control Plan	-275.00	50%	-275.00	50%	100%
5	Traffic Control	-797.50	50%	-797.50	50%	100%
6	Incidental	0.00	50%	0.00	50%	100%
7	Gravel Cushion	971.98	50%	971.98	50%	100%
8	6" PVC RJ Water Main C-900, DR-14	540.40	50%	540.40	50%	100%
9	6" 45 Degree Bend	376.93	50%	376.93	50%	100%
10	8" PVC Water Main C-900, DR-18	-1,430.55	50%	-1,430.55	50%	100%
11	8" 45 Degree Bend	0.00	50%	0.00	50%	100%
12	8" Gate Valve W/Box	2,478.05	50%	2,478.05	50%	100%
13	8" x 6" Tee	0.00	50%	0.00	50%	100%
14	8" x 6" Reducer	0.00	50%	0.00	50%	100%
15	12" PVC RJ Water Main C-900, DR-11	4,424.55	50%	4,424.55	50%	100%
16	12" PVC RJ Water Main C-900, DR-11	141.03	50%	141.03	50%	100%
17	12" 11.25 Degree Bend	-333.65	50%	-333.65	50%	100%
18	12" 22.5 Degree Bend	0.00	50%	0.00	50%	100%
19	12" 45 Degree Bend	704.21	50%	704.21	50%	100%
20	12" High Deflection Coupling	-782.94	50%	-782.94	50%	100%
21	12" MJ Plug	0.00	50%	0.00	50%	100%
22	12" Gate Valve W/Box	0.00	50%	0.00	50%	100%
23	12" x 8" Reducer	0.00	50%	0.00	50%	100%
24	12" x 6" Reducer	0.00	50%	0.00	50%	100%
25	12" x 12" Tee	525.99	50%	525.99	50%	100%
26	12" x 8" Tee	0.00	50%	0.00	50%	100%
27	12" x 6" Tee	0.00	50%	0.00	50%	100%
28	16" PVC RJ Water Main C-905, DR-11	149.13	50%	149.13	50%	100%

29	16" 45 Degree Bend	0.00	50%	0.00	50%	100%
30	16" Gate Valve W/Box	0.00	50%	0.00	50%	100%
31	16" x 6" Tee	0.00	50%	0.00	50%	100%
32	16" x 16" x 16" Tee	0.00	50%	0.00	50%	100%
33	16" x 8" Reducer	0.00	50%	0.00	50%	100%
34	16" x 12" Reducer	0.00	50%	0.00	50%	100%
35	16" MJ Plug	0.00	50%	0.00	50%	100%
36	Connect To Existing Water Main	0.00	50%	0.00	50%	100%
37	Fire hydrant W/Aux Valve, Box & Lea	0.00	50%	0.00	50%	100%
38	48" Sanitary Sewer Manhole Barrel	-454.00	50%	-454.00	50%	100%
39	Adjust Manhole frame and Lid	-225.00	50%	-225.00	50%	100%
40	Excavation, Unclassified	0.00	50%	0.00	50%	100%
41	Topsoil, Stockpile & Replace	0.00	50%	0.00	50%	100%
42	Rock Excavation (Grading)	-9,297.00	50%	-9,297.00	50%	100%
43	Rock Excavation (Trench)	-371.92	50%	-371.92	50%	100%
44	Type I Bedding Material	-936.50	50%	-936.50	50%	100%
45	Type II Bedding Material	-1,035.50	50%	-1,035.50	50%	100%
46	Type III Bedding Material	-1,035.50	50%	-1,035.50	50%	100%
47	Topsoil, Furnish & Place	2,114.25	50%	2,114.25	50%	100%
48	Seeding Fertilizing & Mulching	4,658.50	50%	4,658.50	50%	100%
49	Silt Fence	-1,058.75	50%	-1,058.75	50%	100%
50	Sediment Control Wattle	-1,295.80	50%	-1,295.80	50%	100%
51	Turf Reinforcement Mat	0.00	50%	0.00	50%	100%
52	Erosion And Water Pollution Control	0.00	50%	0.00	50%	100%
53	Erosion Control, Inlet Protection	-440.00	50%	-440.00	50%	100%
54	Concrete Washout Area	-856.50	50%	-856.50	50%	100%
55	Vehicle tracking Control	0.00	50%	0.00	50%	100%
56	Type 2 Erosion Control Blanket	686.77	50%	686.77	50%	100%
57	Liquidated Damages	-12,025.00	50%	-12,025.00	50%	100%
		(\$15,399.08)		(\$15,399.09)		(\$30,798.17)