

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER # 4 (FOUR) *FINAL*

RED ROCK WATER STORAGE RESERVOIR

PROJECT NO.: W03-1184 / CIP 50284

February 15, 2010

ORIGINAL CONTRACT AMOUNT: \$3,490,323.81

CONTRACTOR: HEAVY CONSTRUCTORS, INC

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	MOBILIZATION FOR PIPELINE	LS	1.00	\$5,180.14	\$5,180.14	1.00	\$5,180.14	\$0.00
2	MOBILIZATION FOR RESERVOIR	LS	1.00	\$170,544.77	\$170,544.77	1.00	\$170,544.77	\$0.00
3	INCIDENTAL WORK	LS	1.00	\$35,246.92	\$35,246.92	1.00	\$35,246.92	\$0.00
4	CONSTRUCTION STAKING (BY CONTRACTOR)	LS	1.00	\$8,752.82	\$8,752.82	1.00	\$8,752.82	\$0.00
5	TRAFFIC CONTROL PLAN	LS	1.00	\$561.08	\$561.08	1.00	\$561.08	\$0.00
6	TRAFFIC CONTROL	LS	1.00	\$2,693.19	\$2,693.19	1.00	\$2,693.19	\$0.00
7	TEMPORARY EROSION CONTROL PLAN	LS	1.00	\$6,204.70	\$6,204.70	1.00	\$6,204.70	\$0.00
8	CLEARING & GRUBBING	LS	1.00	\$123,263.63	\$123,263.63	1.00	\$123,263.63	\$0.00
9	4" PVC WATER SERVICE LINE	LF	87.00	\$40.45	\$3,519.15	87.00	\$3,519.15	\$0.00
10	6" PVC WATER SERVICE LINE	LF	139.00	\$42.16	\$5,860.24	125.00	\$5,270.00	(\$590.24)
11	6" PVC PERFORATED DRAIN PIPE	LF	528.00	\$104.89	\$55,381.92	542.00	\$56,850.38	\$1,468.46
12	4" PVC 45 DEGREE BEND	EA	1.00	\$66.13	\$66.13	1.00	\$66.13	\$0.00
13	4" PVC 22.5 DEGREE BEND	EA	1.00	\$66.13	\$66.13	0.00	\$0.00	(\$66.13)
14	1" COPPER WATER SERVICE	LF	66.00	\$33.06	\$2,181.96	77.00	\$2,545.62	\$363.66
15	2" COPPER WATER SERVICE	LF	266.00	\$52.35	\$13,925.10	295.00	\$15,443.25	\$1,518.15
16	6" PVC WATER MAIN	LF	10.00	\$47.94	\$479.40	3.00	\$143.82	(\$335.58)

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
17	16" PVC WATER MAIN	LF	687.00	\$54.45	\$37,407.15	674.00	\$36,699.30	(\$707.85)
18	20" D. I. WATER MAIN	LF	1,105.00	\$96.44	\$106,566.20	1,067.00	\$102,901.48	(\$3,664.72)
19	1" TAPPING SADDLE	EA	2.00	\$468.42	\$936.84	2.00	\$936.84	\$0.00
20	2" TAPPING SADDLE AND CORP STOP	EA	3.00	\$909.28	\$2,727.84	3.00	\$2,727.84	\$0.00
21	1" CURB STOP & BOX	EA	2.00	\$275.54	\$551.08	2.00	\$551.08	\$0.00
22	2" CURB STOP & BOX	EA	3.00	\$468.41	\$1,405.23	3.00	\$1,405.23	\$0.00
23	16"X16"X 6" TEE	EA	2.00	\$1,416.28	\$2,832.56	3.00	\$4,248.84	\$1,416.28
24	16" 11.25 DEGREE BEND	EA	2.00	\$1,394.23	\$2,788.46	2.00	\$2,788.46	\$0.00
25	16" 22.5 DEGREE BEND	EA	2.00	\$1,394.23	\$2,788.46	2.00	\$2,788.46	\$0.00
26	16" 45 DEGREE BEND	EA	1.00	\$1,394.22	\$1,394.22	1.00	\$1,394.22	\$0.00
27	20" 45 DEGREE BEND	EA	1.00	\$2,248.41	\$2,248.41	1.00	\$2,248.41	\$0.00
28	16" MJ PLUG	EA	1.00	\$865.18	\$865.18	1.00	\$865.18	\$0.00
29	FIRE HYDRANT W/AUX VALVE & LEAD	EA	3.00	\$3,802.45	\$11,407.35	3.00	\$11,407.35	\$0.00
30	CONNECT TO EXISTING WATER MAIN	EA	2.00	\$2,204.32	\$4,408.64	2.00	\$4,408.64	\$0.00
31	METERING PIT MANHOLE (2-INCH)	EA	1.00	\$10,211.49	\$10,211.49	1.00	\$10,211.49	\$0.00
32	METERING PIT MANHOLE	EA	2.00	\$9,368.35	\$18,736.70	2.00	\$18,736.70	\$0.00
33	RELOCATE FIRE HYDRANT & AUX VALVE	EA	0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00
34	SALVAGE FIRE HYDRANT & AUX VALVE	EA	1.00	\$1,030.52	\$1,030.52	1.00	\$1,030.52	\$0.00
35	16" D.I. WATER MAIN	LF	1,132.00	\$67.23	\$76,104.36	1,117.00	\$75,095.91	(\$1,008.45)
36	WATER SERVICE NEW CONNECTION	EA	4.00	\$303.10	\$1,212.40	4.00	\$1,212.40	\$0.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
37	5' MANHOLE W/AIR RELEASE VALVE	EA	2.00	\$10,470.50	\$20,941.00	2.00	\$20,941.00	\$0.00
38	12" GATE VALVE & BOX	EA	1.00	\$2,534.96	\$2,534.96	0.00	\$0.00	(\$2,534.96)
39	6" D.I. WATER MAIN	LF	40.00	\$47.39	\$1,895.60	29.00	\$1,374.31	(\$521.29)
40	20"X16" MJ REDUCER	EA	1.00	\$2,204.32	\$2,204.32	1.00	\$2,204.32	\$0.00
41	20" 11.25 DEGREE BEND	EA	2.00	\$2,204.31	\$4,408.62	2.00	\$4,408.62	\$0.00
42	20" 22.5 DEGREE BEND	EA	2.00	\$2,204.32	\$4,408.64	2.00	\$4,408.64	\$0.00
43	16" GATE VALVE W/BOX	EA	4.00	\$6,860.93	\$27,443.72	4.00	\$27,443.72	\$0.00
44	2" FROSTPROOF YARD HYDRANT	EA	2.00	\$2,479.85	\$4,959.70	4.00	\$9,919.40	\$4,959.70
45	1" FROSTPROOF YARD HYDRANT	EA	3.00	\$1,526.49	\$4,579.47	2.00	\$3,052.98	(\$1,526.49)
46	3.3 MGAL RESERVOIR (SPECIFY TYPE - SEE NOTE BELOW)*	LS	1.00	\$1,752,176.59	\$1,752,176.59	1.00	\$1,752,176.59	\$0.00
47	GEOSYNTHETIC LINER	SY	2,350.00	\$7.23	\$16,990.50	2,350.00	\$16,990.50	\$0.00
48	VALVE VAULT	LS	1.00	\$179,332.69	\$179,332.69	1.00	\$179,332.69	\$0.00
49	SITE SIGNAGE	EA	13.00	\$244.70	\$3,181.10	13.00	\$3,181.10	\$0.00
50	ROCK EXCAVATION (TRENCH)	CY	700.00	\$61.22	\$42,854.00	531.40	\$32,532.31	(\$10,321.69)
51	TYPE II FOUNDATION MATERIAL	T	150.00	\$18.46	\$2,769.00	0.00	\$0.00	(\$2,769.00)
52	CONTRACTOR SUPPLIED DENSITY TESTS	EA	400.00	\$22.04	\$8,816.00	70.00	\$1,542.80	(\$7,273.20)
53	EXCAVATION, UNCLASSIFIED	CY	1,200.00	\$10.53	\$12,636.00	1,100.00	\$11,583.00	(\$1,053.00)
54	AASHTO T-180 SOIL TEST	EA	6.00	\$165.32	\$991.92	3.00	\$495.96	(\$495.96)
55	EARTHWORK/ROCK/GRADING (TANK & PARKING AREA)	LS	1.00	\$156,934.75	\$156,934.75	1.00	\$156,934.75	\$0.00
56	TOPSOIL, STOCKPILE OR IMPORT/REPLACE	CY	1,200.00	\$18.19	\$21,828.00	1,200.00	\$21,828.00	\$0.00

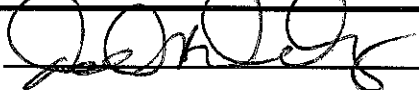
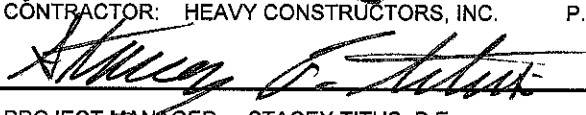
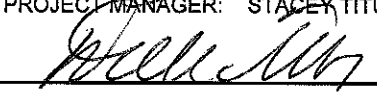
LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
57	REMOVE & SALVAGE BARBED WIRE FENCE	LF	1,090.00	\$0.34	\$370.60	1,024.00	\$348.16	(\$22.44)
58	REMOVE CONCRETE CURB AND GUTTER	LF	34.00	\$9.09	\$309.06	37.00	\$336.33	\$27.27
59	3/4" AGGREGATE BASE COURSE	T	975.00	\$21.49	\$20,952.75	950.20	\$20,419.80	(\$532.95)
60	ASPHALT COMPACTION TESTS	EA	10.00	\$22.04	\$220.40	8.00	\$176.32	(\$44.08)
61	ASPHALT CONCRETE, CLASS G, TYPE 1	T	535.00	\$83.94	\$44,907.90	486.00	\$40,794.84	(\$4,113.06)
62	BITUMINOUS TACK COAT	GAL	160.00	\$5.05	\$808.00	0.00	\$0.00	(\$808.00)
63	CONCRETE APPROACH PAVEMENT, REINFORCED, 6"	SY	23.00	\$60.62	\$1,394.26	28.00	\$1,697.36	\$303.10
64	CONCRETE "P6" GUTTER	LF	18.00	\$36.37	\$654.66	18.00	\$654.66	\$0.00
65	CONCRETE CURB & GUTTER, TYPE B66	LF	16.00	\$36.37	\$581.92	19.00	\$691.03	\$109.11
66	CONCRETE TEST SET	EA	55.00	\$176.35	\$9,699.25	53.00	\$9,346.55	(\$352.70)
67	18" RCP, CLASS III	LF	50.00	\$57.86	\$2,893.00	50.00	\$2,893.00	\$0.00
68	18" RCP FLARED END	EA	2.00	\$732.94	\$1,465.88	2.00	\$1,465.88	\$0.00
69	CONCRETE HEADWALL	EA	1.00	\$4,733.77	\$4,733.77	1.00	\$4,733.77	\$0.00
70	CLASS 2 RIPRAP, W/BEDDING	SY	52.00	\$67.95	\$3,533.40	52.00	\$3,533.40	\$0.00
71	12" DIAMETER EROSION CONTROL, WATTLES	LF	320.00	\$5.84	\$1,868.80	280.00	\$1,635.20	(\$233.60)
72	EROSION CONTROL, SILT FENCE, WATTLES OR COMPOST BERMS	LF	1,800.00	\$3.59	\$6,462.00	1,800.00	\$6,462.00	\$0.00
73	EROSION CONTROL, HI-VELOCITY EXCELSIOR BLANKET	SY	6,000.00	\$3.20	\$19,200.00	6,000.00	\$19,200.00	\$0.00
74	REPAIR SILT FENCE/COMPOST BERMS/WATTLES	LF	800.00	\$1.40	\$1,120.00	800.00	\$1,120.00	\$0.00
75	REMOVE SILT FENCE/COMPOST BERMS/WATTLES	LF	1,800.00	\$0.95	\$1,710.00	1,400.00	\$1,330.00	(\$380.00)
76	SEEDING, FERTILIZING, MULCHING,	AC	5.00	\$11,008.37	\$55,041.85	5.00	\$55,041.85	\$0.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
77	IRRIGATION SYSTEM, TEMPORARY	LS	1.00	\$11,221.59	\$11,221.59	1.00	\$11,221.59	\$0.00
78	TEMPORARY FENCE, TYPE 1A	LF	1,550.00	\$1.12	\$1,736.00	1,585.00	\$1,775.20	\$39.20
79	F&I 4 STRAND BARBED WIRE FENCE	LF	1,443.00	\$1.68	\$2,424.24	1,503.00	\$2,525.04	\$100.80
80	2 - POST BRACE PANEL	EA	28.00	\$168.32	\$4,712.96	30.00	\$5,049.60	\$336.64
81	5' WROUGHT IRON FENCE	LF	44.00	\$112.22	\$4,937.68	10.00	\$1,122.20	(\$3,815.48)
82	10' WROUGHT IRON GATE	EA	2.00	\$1,795.45	\$3,590.90	2.00	\$3,590.90	\$0.00
83	8' COLORED CHAIN LINK FENCE AND GATES	LF	1,000.00	\$43.82	\$43,820.00	1,227.00	\$53,767.14	\$9,947.14
84	10' COLORED CHAIN LINK FENCE AND GATES	LF	242.00	\$60.65	\$14,677.30	0.00	\$0.00	(\$14,677.30)
85	SPLIT POST AND 2 RAIL WOOD FENCE	LF	257.00	\$6.06	\$1,557.42	0.00	\$0.00	(\$1,557.42)
86	LANDSCAPING	LS	1.00	\$35,703.33	\$35,703.33	1.00	\$35,703.33	\$0.00
87	SITE SECURITY	LS	1.00	\$41,284.19	\$41,284.19	1.00	\$41,284.19	\$0.00
88	IRRIGATION SYSTEM, PERMANENT	LS	1.00	\$14,211.01	\$14,211.01	1.00	\$14,211.01	\$0.00
89	ELECTRICAL	LS	1.00	\$122,848.22	\$122,848.22	1.00	\$122,848.22	\$0.00
90	RESIDENT ENGINEER'S CONSTRUCTION TRAILER	EA	1.00	\$18,234.52	\$18,234.52	1.00	\$18,234.52	\$0.00
	Change Order No.: 1							
91	Vandal-Resistant Vents	LS	1.00	\$9,649.09	\$9,649.09	1.00	\$9,649.09	\$0.00
92	Offset Landings for reservoir ladders	LS	1.00	\$6,750.79	\$6,750.79	1.00	\$6,750.79	\$0.00
93	Dispose of stumps and root debris	LS	1.00	\$5,214.11	\$5,214.11	1.00	\$5,214.11	\$0.00
94	Bid Item 57 - REMOVE & SALVAGE BARBED WIRE FENCE remove funding source 933 & 934	LF	-1,090.00	\$0.34	(\$370.60)	-1,090.00	(\$370.60)	\$0.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
95	Bid Item 57 - REMOVE & SALVAGE BARBED WIRE FENCE change funding source to 805 (SRF)	LF	1,090.00	\$0.34	\$370.60	1,090.00	\$370.60	\$0.00
96	Bid Item 77 - IRRIGATION SYSTEM, TEMPORARY remove funding source 933 & 934	LS	-1.00	\$11,221.59	(\$11,221.59)	-1.00	(\$11,221.59)	\$0.00
97	Bid Item 77 - IRRIGATION SYSTEM, TEMPORARY change funding source to 805	LS	1.00	\$11,221.59	\$11,221.59	1.00	\$11,221.59	\$0.00
	Change Order No.: 2							
98	RFP-05 F&I non-woven geotextile fabric beneath tank slab	LS	1.00	\$3,509.89	\$3,509.89	1.00	\$3,509.89	\$0.00
99	RFP-06 F&I misc. Metalwork: steel handrails for steps and valve vault entrance, valve sump pit	LS	1.00	\$3,705.00	\$3,705.00	1.00	\$3,705.00	\$0.00
100	RFP-08 Delete external alarm horns and beacons	LS	1.00	(\$670.10)	(\$670.10)	1.00	(\$670.10)	\$0.00
101	RFP-09 Install Owner furnished chlorine analyzer in lieu of Contractor furnished item	LS	1.00	(\$1,605.61)	(\$1,605.61)	1.00	(\$1,605.61)	\$0.00
102	RFP-010 F&I stainless steel hardware for reservoir hatches	LS	1.00	\$996.45	\$996.45	1.00	\$996.45	\$0.00
	Change Order No.: 3							
103	RFP-07 Grading Revisions	LS	1.00	\$32,800.67	\$32,800.67	1.00	\$32,800.67	\$0.00
104	RFP-11 Install Clean-outs on Foundation Drain	LS	1.00	\$3,052.02	\$3,052.02	1.00	\$3,052.02	\$0.00
105	RFP-12 Provide Temperature Monitoring in Valve Vault	LS	1.00	\$4,240.54	\$4,240.54	1.00	\$4,240.54	\$0.00
106	Furnish 20" Offset Spool Piece	LS	1.00	\$1,565.00	\$1,565.00	1.00	\$1,565.00	\$0.00
	Change Order No.: 4							
107	RFP-13 Miscellaneous Plumbing and Utility Changes	0	0.00	\$5,451.78	\$0.00	1.00	\$5,451.78	\$5,451.78
108	RFP-14 Furnish and Install Pipe Insulation at Sta. 0+35	0	0.00	\$1,129.64	\$0.00	1.00	\$1,129.64	\$1,129.64

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
109	RFP-15 Furnish and Install Cantilever Sliding Gate	0	0.00	\$1,040.07	\$0.00	1.00	\$1,040.07	\$1,040.07
110	RFP-16 Encase Bilco Hatches	0	0.00	\$322.37	\$0.00	1.00	\$322.37	\$322.37
111	RFP-17 Plumbing for Chlorine Residual Analyzer	0	0.00	\$480.86	\$0.00	1.00	\$480.86	\$480.86
112	RFP-18 Lower Air Vents @ Valve Vault	0	0.00	\$135.65	\$0.00	1.00	\$135.65	\$135.65
113	RFP-19 Install Address Numbers	0	0.00	\$412.62	\$0.00	1.00	\$412.62	\$412.62
114	RFP-20 Install Chain-link Gate Holders	0	0.00	\$201.86	\$0.00	1.00	\$201.86	\$201.86
115	RFP-21 Backflow Preventer, Striping Parking, & Gate Lock Bar	0	0.00	\$5,234.73	\$0.00	1.00	\$5,234.73	\$5,234.73
116	USP-02 Additional DI Fittings Between Vault & Reservoir	0	0.00	\$8,113.89	\$0.00	1.00	\$8,113.89	\$8,113.89
117	USP-03 Saw cutting Slot in Pavement for Intrusion Wire Installation	0	0.00	\$2,764.00	\$0.00	1.00	\$2,764.00	\$2,764.00
118	USP-04 Re-grading Base of the Trail for Intrusion Wire Installation	0	0.00	\$718.93	\$0.00	1.00	\$718.93	\$718.93
119	USP-05 Concrete Repairs for Reservoir Slab	0	0.00	\$0.00	\$0.00	1.00	\$0.00	\$0.00
120	USP-06 Additional Compensation for Bethpage Dr. Meter Pit	0	0.00	\$3,627.24	\$0.00	1.00	\$3,627.24	\$3,627.24
121	USP-07 Construct Check Dams and Install Sod	0	0.00	\$3,241.88	\$0.00	1.00	\$3,241.88	\$3,241.88
122	VSL Coordination Time Extension	0	0.00	\$0.00	\$0.00	1.00	\$0.00	\$0.00
123	Liquidated Damages	0	0.00	(\$1,300.00)	\$0.00	92.00	(\$119,600.00)	(\$119,600.00)
TOTAL					\$3,559,531.66		\$3,433,991.10	(\$125,540.56)

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$3,559,531.66
CCO #1	\$21,613.99	NET INCREASE/(DECREASE):	(\$125,540.56)
CCO #2	\$5,935.63	ADJUSTED CONTRACT PRICE:	\$3,433,991.10
CCO #3	\$41,658.23	CHANGE TO DATE:	(\$56,332.71)
CCO #4 Final	(\$125,540.56)		

		2/3/10
CONTRACTOR: HEAVY CONSTRUCTORS, INC.	P.O. Box 3239, Rapid City, SD 57709	DATE
		1/28/10
PROJECT MANAGER: STACEY TITUS, P.E.		DATE
		2-3-10
CITY ENGINEER: ROBERT D. DALE DALE TECH		DATE
MAYOR: ALAN HANKS		DATE
FINANCE: JAMES PRESTON		DATE
CONTRACT TIME CHANGE +/-: <u>plus 27 working days</u>	NEW CONTRACT TIME: <u>January 8, 2008.</u>	

City Staff recommends approval of **Final Change Order #4** to Heavy Construction for a decrease of \$125,540.56 with the following appropriation:

Initial Funding	\$0.00	\$3,409,858.08	\$40,232.87	\$40,232.87	\$3,490,323.81
Fund Type		SRF Loan	Water	Water	
Fund		0496	0602	0602	
Department		0805	0933	0934	
Line Item		4381	4381	4381	
CCO #1 One (funding changes)		\$11,592.19	(\$5,796.10)	(\$5,796.09)	\$0.00
CCO #1 One (new items)		\$21,613.99			\$21,613.99
CCO #2 Two		\$5,935.63			\$5,935.63
CCO #3 Three		\$41,658.23			\$41,658.23
CCO #4 Four (Final)		(\$125,540.56)			(\$125,540.56)
Adjusted Funding	\$0.00	\$3,365,117.56	\$34,436.77	\$34,436.78	\$3,433,991.10
<u>CCO #4 SRF loan was used to reimburse engineering design services and therefore a cost reallocation needs to happen here.</u>		(\$325,117.18)	\$162,558.59	\$162,558.59	\$0.00
<u>Approved SRF reimbursement</u>		\$3,040,000.38	\$196,995.36	\$196,995.37	\$3,433,991.10

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RED ROCK WATER STORAGE RESERVOIR

PROJECT NO.: W03-1184 / CIP 50284

February 15, 2010

ORIGINAL CONTRACT AMOUNT: \$3,490,323.81

CONTRACTOR: HEAVY CONSTRUCTORS, INC

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
10	6" PVC WATER SERVICE LINE	Final Quantity Installed
11	6" PVC PERFORATED DRAIN PIPE	Final Quantity Installed
13	4" PVC 22.5 DEGREE BEND	Final Quantity Installed
14	1" COPPER WATER SERVICE	Final Quantity Installed
15	2" COPPER WATER SERVICE	Final Quantity Installed
16	6" PVC WATER MAIN	Final Quantity Installed
17	16" PVC WATER MAIN	Final Quantity Installed
18	20" D. I. WATER MAIN	Final Quantity Installed
23	16"X16"X 6" TEE	Final Quantity Installed
35	16" D.I. WATER MAIN	Final Quantity Installed
38	12" GATE VALVE & BOX	Final Quantity Installed - Deleted, existing gate valve
39	6" D.I. WATER MAIN	Final Quantity Installed
44	2" FROSTPROOF YARD HYDRANT	Final Quantity Installed - Added two (2) yard hydrants, per drawing revision and RFP-07.
45	1" FROSTPROOF YARD HYDRANT	Final Quantity Installed - Deleted one (1) per drawing revision.
50	ROCK EXCAVATION (TRENCH)	Final Quantity Installed
51	TYPE II FOUNDATION MATERIAL	Final Quantity Installed - Stabilization material not needed.

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER # 4 (FOUR)

RED ROCK WATER STORAGE RESERVOIR

PROJECT NO.: W03-1184 / CIP 50284

February 15, 2010

ORIGINAL CONTRACT AMOUNT: \$3,490,323.81

CONTRACTOR: HEAVY CONSTRUCTORS, INC

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
52	CONTRACTOR SUPPLIED DENSITY TESTS	Final Quantity Installed
53	EXCAVATION, UNCLASSIFIED	Final Quantity Installed
54	AASHTO T-180 SOIL TEST	Final Quantity Installed
57	REMOVE & SALVAGE BARBED WIRE FENCE	Final Quantity Installed
58	REMOVE CONCRETE CURB AND GUTTER	Final Quantity Installed
59	3/4" AGGREGATE BASE COURSE	Final Quantity Installed
60	ASPHALT COMPACTION TESTS	Final Quantity Installed
61	ASPHALT CONCRETE, CLASS G, TYPE 1	Final Quantity Installed
62	BITUMINOUS TACK COAT	Final Quantity Installed - Deleted from Contract
63	CONCRETE APPROACH PAVEMENT, REINFORCED, 6"	Final Quantity Installed
65	CONCRETE CURB & GUTTER, TYPE B66	Final Quantity Installed
66	CONCRETE TEST SET	Final Quantity Installed
71	12" DIAMETER EROSION CONTROL, WATTLES	Final Quantity Installed
75	REMOVE SILT FENCE/COMPOST BERMS/WATTLES	Final Quantity Installed
78	TEMPORARY FENCE, TYPE 1A	Final Quantity Installed
79	F&I 4 STRAND BARBED WIRE FENCE	Final Quantity Installed

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER # 4 (FOUR)
 RED ROCK WATER STORAGE RESERVOIR
 PROJECT NO.: W03-1184 / CIP 50284
 February 15, 2010
 ORIGINAL CONTRACT AMOUNT: \$3,490,323.81
 CONTRACTOR: HEAVY CONSTRUCTORS, INC

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
80	2 - POST BRACE PANEL	Final Quantity Installed
81	5' WROUGHT IRON FENCE	Final Quantity Installed
83	8' COLORED CHAIN LINK FENCE AND GATES	Final Quantity Installed - Replaced 10' chain link fence with 8' chain link fence
84	10' COLORED CHAIN LINK FENCE AND GATES	Final Quantity Installed - Deleted from Contract
85	SPLIT POST AND 2 RAIL WOOD FENCE	Final Quantity Installed - Deleted from Contract
107	RFP-13 Miscellaneous Plumbing and Utility Changes	Installation of four (4) pressure-reducing valves, add hydrant protection posts, delete chimney seals, and revise hydrant locations, per City request and plumbing code requirements.
108	RFP-14 Furnish and Install Pipe Insulation at Sta. 0+35	Required per RCSSPWC to protect shallow water main.
109	RFP-15 Furnish and Install Cantilever Sliding Gate	As requested by City Water Department staff to provide better access to facility.
110	RFP-16 Encase Bilco Hatches	Required to improve water-tightness at hatches.
111	RFP-17 Plumbing for Chlorine Residual Analyzer	Required to plumb in chlorine analyzer. This work was not included in original Contract.
112	RFP-18 Lower Air Vents @ Valve Vault	Required to match low profile grading at valve vault.
113	RFP-19 Install Address Numbers	Required per City ordinance but not included in original Contract.
114	RFP-20 Install Chain-link Gate Holders	Requested per City Water Department staff to hold gates in place.
115	RFP-21 Backflow Preventer, Striping Parking, & Gate Lock Bar	Required per plumbing code and building permit.
116	USP-02 Additional DI Fittings Between Vault & Reservoir	Additional large diameter fittings required to make connection to reservoir. Not possible with high deflection couplings.

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER # 4 (FOUR)

RED ROCK WATER STORAGE RESERVOIR

PROJECT NO.: W03-1184 / CIP 50284

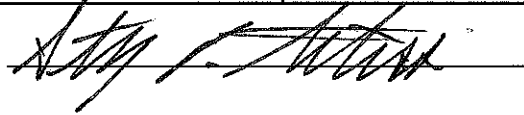
February 15, 2010

ORIGINAL CONTRACT AMOUNT: \$3,490,323.81

CONTRACTOR: HEAVY CONSTRUCTORS, INC

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
117	USP-03 Saw cutting Slot in Pavement for Intrusion Wire Installation	Required per intrusion wire manufacturer to meet previously unknown installation requirements.
118	USP-04 Re-grading Base of the Trail for Intrusion Wire Installation	Required per intrusion wire manufacturer to meet previously unknown installation requirements.
119	USP-05 Concrete Repairs for Reservoir Slab	Time extension granted to repair and smooth reservoir slab. Concrete finish requirements in original Contract were unclear.
120	USP-06 Additional Compensation for Bethpage Dr. Meter Pit	Additional mobilization for Contractor to complete work at Bethpage Drive, following delay by landowner in providing construction easement.
121	USP-07 Construct Check Dams and Install Sod	Required in addition to standard erosion control procedures to stabilize soil on steep slopes.
122	VSL Coordination Time Extension	Time extension granted due to scheduling and performance difficulties with specialty subcontractor.
123	Liquidated Damages	Assessed per Contract Documents for delays by Contractor in completing the project.

PREPARED BY:



DATE:

