

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER # 1 (One)
RED ROCK WATER STORAGE RESERVOIR
PROJECT NO.: W03-1184 / CIP 50284
May 11, 2007
ORIGINAL CONTRACT AMOUNT: \$3,490,323.81
CONTRACTOR: HEAVY CONSTRUCTORS, INC

PW052907-05

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	139.00	\$5,860.24	\$0.00
11	6" PVC PERFORATED DRAIN PIPE	LF	528.00	\$104.89	\$55,381.92	528.00	\$55,381.92	\$0.00
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	1.00	\$66.13	\$0.00
14	1" COPPER WATER SERVICE	LF	66.00	\$33.06	\$2,181.96	66.00	\$2,181.96	\$0.00
15	2" COPPER WATER SERVICE	LF	266.00	\$52.35	\$13,925.10	266.00	\$13,925.10	\$0.00
16	6" PVC WATER MAIN	LF	10.00	\$47.94	\$479.40	10.00	\$479.40	\$0.00
17	16" PVC WATER MAIN	LF	687.00	\$54.45	\$37,407.15	687.00	\$37,407.15	\$0.00
18	20" D. I. WATER MAIN	LF	1,105.00	\$96.44	\$106,566.20	1,105.00	\$106,566.20	\$0.00

19	1" TAPPING SADDLE	EA	2.00	\$468.42	\$936.84	2.00	\$936.84	PW052907-05 \$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	2.00	\$2,832.56	\$0.00
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	1,132.00	\$76,104.36	\$0.00
36	WATER SERVICE NEW CONNECTION	EA	4.00	\$303.10	\$1,212.40	4.00	\$1,212.40	\$0.00
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	1.00	\$2,534.96	\$0.00
39	6" D.I. WATER MAIN	LF	40.00	\$47.39	\$1,895.60	40.00	\$1,895.60	\$0.00
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	PW052907-05 \$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	2.00	\$4,959.70	\$0.00
45	1" FROSTPROOF YARD HYDRANT	EA	3.00	\$1,526.49	\$4,579.47	3.00	\$4,579.47	\$0.00
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	700.00	\$42,854.00	\$0.00
51	TYPE II FOUNDATION MATERIAL	T	150.00	\$18.46	\$2,769.00	150.00	\$2,769.00	\$0.00
52	CONTRACTOR SUPPLIED DENSITY TESTS	EA	400.00	\$22.04	\$8,816.00	400.00	\$8,816.00	\$0.00
53	EXCAVATION, UNCLASSIFIED	CY	1,200.00	\$10.53	\$12,636.00	1,200.00	\$12,636.00	\$0.00
54	AASHTO T-180 SOIL TEST	EA	6.00	\$165.32	\$991.92	6.00	\$991.92	\$0.00
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
57	REMOVE & SALVAGE BARBED WIRE FENCE	LF	1,090.00	\$0.34	\$370.60	1,090.00	\$370.60	\$0.00
58	REMOVE CONCRETE CURB AND GUTTER	LF	34.00	\$9.09	\$309.06	34.00	\$309.06	\$0.00
59	3/4" AGGREGATE BASE COURSE	T	975.00	\$21.49	\$20,952.75	975.00	\$20,952.75	\$0.00
60	ASPHALT COMPACTION TESTS	EA	10.00	\$22.04	\$220.40	10.00	\$220.40	\$0.00
61	ASPHALT CONCRETE, CLASS G, TYPE 1	T	535.00	\$83.94	\$44,907.90	535.00	\$44,907.90	\$0.00
62	BITUMINOUS TACK COAT	GAL	160.00	\$5.05	\$808.00	160.00	\$808.00	\$0.00
63	CONCRETE APPROACH PAVEMENT, REINFORCED, 6"	SY	23.00	\$60.62	\$1,394.26	23.00	\$1,394.26	\$0.00
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	16.00	\$581.92	PW052907-05 \$0.00
66	CONCRETE TEST SET	EA	55.00	\$176.35	\$9,699.25	55.00	\$9,699.25	\$0.00
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	320.00	\$1,868.80	\$0.00
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	1,800.00	\$1,710.00	\$0.00
76	SEEDING, FERTILIZING, MULCHING,	AC	5.00	\$11,008.37	\$55,041.85	5.00	\$55,041.85	\$0.00
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	1,550.00	\$1,736.00	\$0.00
79	F&I 4 STRAND BARBED WIRE FENCE	LF	1,443.00	\$1.68	\$2,424.24	1,443.00	\$2,424.24	\$0.00
80	2 - POST BRACE PANEL	EA	28.00	\$168.32	\$4,712.96	28.00	\$4,712.96	\$0.00
81	5' WROUGHT IRON FENCE	LF	44.00	\$112.22	\$4,937.68	44.00	\$4,937.68	\$0.00
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	1,000.00	\$43,820.00	\$0.00
84	10' COLORED CHAIN LINK FENCE AND GATES	LF	242.00	\$60.65	\$14,677.30	242.00	\$14,677.30	\$0.00
85	SPLIT POST AND 2 RAIL WOOD FENCE	LF	257.00	\$6.06	\$1,557.42	257.00	\$1,557.42	\$0.00
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	PW052907-05 \$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	0.00	\$9,649.09	\$0.00	1.00	\$9,649.09	\$9,649.09
92	Offset Landings for reservoir ladders	LS	0.00	\$6,750.79	\$0.00	1.00	\$6,750.79	\$6,750.79
93	Dispose of stumps and root debris	LS	0.00	\$5,214.11	\$0.00	1.00	\$5,214.11	\$5,214.11
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
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
TOTAL					\$3,490,323.81		\$3,511,937.80	\$21,613.99

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$3,490,323.81
CCO #1	\$21,613.99	NET INCREASE/(DECREASE):	\$21,613.99
CCO #2	\$0.00	ADJUSTED CONTRACT PRICE:	\$3,511,937.80
CCO #3	\$0.00	CHANGE TO DATE:	\$21,613.99

_____ CONTRACTOR: HEAVY CONSTRUCTORS, INC. P.O. Box 3239, Rapid City, SD 57709		DATE
_____ PROJECT MANAGER: STACEY TITUS, P.E.		DATE
_____ MAYOR: JIM SHAW		DATE
_____ FINANCE: JAMES PRESTON		DATE
CONTRACT TIME CHANGE +/-: 0	NEW CONTRACT TIME:	Days

City Staff recommends approval of Change Order # 1 to Heavy Construction for an increase of \$21,613.99 based on unit pricing 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 #					\$0.00
Adjusted Funding	\$0.00	\$3,443,064.26	\$34,436.77	\$34,436.78	\$3,511,937.80

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER # 1 (One)
RED ROCK WATER STORAGE RESERVOIR
PROJECT NO.: W03-1184 / CIP 50284
May 11, 2007
ORIGINAL CONTRACT AMOUNT: \$3,490,323.81
CONTRACTOR: HEAVY CONSTRUCTORS, INC

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
91	Vandal-Resistant Vents	Furnish and install two, 12" vandal-resistant vents in lieu of screened vents. The vandal-resistant vents provide for a higher level of security. See attached documentation from enVision Design Inc.
92	Offset Landings for reservoir ladders	Furnish and install two offset landings for the aluminum ladders accessing the reservoir interior. The landing provides a work platform inside the tank for better maintenance. See attached documentation from enVision Design Inc.
93	Dispose of stumps and root debris	Dispose of stumps and roots, generated from grubbing operations, to the Rapid City Landfill. Original contract documents indicated that debris was originally going to stay on-site but due to site restrictions it is better to have items removed from the site. See attached documentation from enVision Design Inc.
94	Bid Item 57 - REMOVE & SALVAGE BARBED WIRE FENCE remove funding source 933 & 934	Originally this bid item was not eligible for SRF funding. Staff appealed this decision and the state has agreed to allow this items to be funded using SRF funding. This is a clerical item changing the funding sources from Water Enterprise funds to SRF funding.
95	Bid Item 57 - REMOVE & SALVAGE BARBED WIRE FENCE change funding source to 805 (SRF)	Originally this bid item was not eligible for SRF funding. Staff appealed this decision and the state has agreed to allow this items to be funded using SRF funding. This is a clerical item changing the funding sources from Water Enterprise funds to SRF funding.
96	Bid Item 77 - IRRIGATION SYSTEM, TEMPORARY remove funding source 933 & 934	Originally this bid item was not eligible for SRF funding. Staff appealed this decision and the state has agreed to allow this items to be funded using SRF funding. This is a clerical item changing the funding sources from Water Enterprise funds to SRF funding.
97	Bid Item 77 - IRRIGATION SYSTEM, TEMPORARY change funding source to 805	Originally this bid item was not eligible for SRF funding. Staff appealed this decision and the state has agreed to allow this items to be funded using SRF funding. This is a clerical item changing the funding sources from Water Enterprise funds to SRF funding.

PREPARED BY: _____

DATE: _____