

## CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #4

PW121107-05

## WELL 12 AND STONEY CREEK BOOSTER STATION

PROJECT NO. W03-953 / CIP 50318

October 10, 2007

ORIGINAL CONTRACT AMOUNT: \$1,798,900.00

CONTRACTOR: HEAVY CONSTRUCTORS, INC. dba GUSTAFSON BUILDERS INC.

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	Total Bid Price for Construction of Well 12 and Stoney Creek Booster Station	LS	1.00	\$1,798,900.00	\$1,798,900.00	1.00	\$1,798,900.00	\$0.00
	Change Order #1							
2	RFP #1 - Storm Inlet	LS	1.00	\$0.00	\$0.00	1.00	\$0.00	\$0.00
3	RFP #2 - DWV	LS	1.00	\$231.73	\$231.73	1.00	\$231.73	\$0.00
4	RFP #5 - Rock Stabilization	LS	1.00	\$568.65	\$568.65	1.00	\$568.65	\$0.00
	Change Order #2							
5	RFP 3 - 10" PVC Restraint Investigation	LS	1.00	\$304.38	\$304.38	1.00	\$304.38	\$0.00
6	RFP 5 - Plumbing Changes in Chemical Feed Area	LS	1.00	\$3,108.64	\$3,108.64	1.00	\$3,108.64	\$0.00
7	RFP 6 - Well Pump Base Modifications	LS	1.00	\$434.28	\$434.28	1.00	\$434.28	\$0.00
8	RFP 8 - Change salt platform size	LS	1.00	(\$2,006.28)	(\$2,006.28)	1.00	(\$2,006.28)	\$0.00
9	RFP 9 - Change overhead coiling door to sectional door in chemical feed room	LS	1.00	(\$881.00)	(\$881.00)	1.00	(\$881.00)	\$0.00
10	RFP 10 - Add electrical feed to Clortec water heater	LS	1.00	\$1,425.25	\$1,425.25	1.00	\$1,425.25	\$0.00
	Change Order #3							
11	RFP 11 - Emergency Booster Pump System	LS	1.00	\$37,584.34	\$37,584.34	1.00	\$37,584.34	\$0.00
	Change Order #4							
12	RFP 7 - Add 40' length to turbine pump column for Well 12	LS	0.00	\$10,980.71	\$0.00	1.00	\$10,980.71	\$10,980.71

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	PW121107-05 NET CHANGE
13	RFP 12 - Add Trex Closure strip at perimeter of emergency generator pit	LS	0.00	\$447.89	\$0.00	1.00	\$447.89	\$447.89
14	RFP 13 - Credit for change in lab casework and countertop	LS	0.00	(\$368.00)	\$0.00	1.00	(\$368.00)	(\$368.00)
15	RFP 14 - Add ceiling fan for ventilation above Clortec rectifier	LS	0.00	\$5,095.52	\$0.00	1.00	\$5,095.52	\$5,095.52
16	RFP 15 - Add attic access hatches to lab area and pump room. Enclose 3" Clortec vent at roof area	LS	0.00	\$1,262.78	\$0.00	1.00	\$1,262.78	\$1,262.78
17	RFP 16 - Siemens control system programming changes and wiring alteration for Variable Torque Drive (VTD) for Well 12 pump	LS	0.00	\$4,681.18	\$0.00	1.00	\$4,681.18	\$4,681.18
18	Credit for reduced rental time for temporary booster pump included in C.O. #3	LS	0.00	(\$1,362.00)	\$0.00	1.00	(\$1,362.00)	(\$1,362.00)
19	Change air infiltration barrier under building siding from asphalt felt to Tyvek	LS	0.00	\$332.56	\$0.00	1.00	\$332.56	\$332.56
<b>TOTAL</b>					<b>\$1,839,669.99</b>		<b>\$1,860,740.63</b>	<b>\$21,070.64</b>

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :		\$1,839,669.99
CCO #1	\$800.38	NET INCREASE/(DECREASE):		\$21,070.64
CCO #2	\$2,385.27	ADJUSTED CONTRACT PRICE:		\$1,860,740.63
CCO #3	\$37,584.34	CHANGE TO DATE:		\$61,840.63
CCO #4	\$21,070.64			

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	PW121107-05 NET CHANGE
<hr/> CONTRACTOR: HEAVY CONSTRUCTORS, INC. dba GUSTAFSON BUILDERS INC.; POB 1376, 4101 Deadwood Ave. DATE <hr/> PROJECT MANAGER: Stacey P. Titus, P.E. DATE <hr/> MAYOR: JIM SHAW DATE <hr/> FINANCE: JAMES PRESTON DATE <hr/> CONTRACT TIME CHANGE +/-: <b>+57 days</b> NEW CONTRACT TIME: <b>February 1, 2008</b>								

City Staff recommends approval of Change Order #1 to Heavy Constructors, Inc. for an increase of \$21,070.64 based on unit pricing with the following appropriation:

Initial Funding	\$0.00	\$899,450.00	\$899,450.00	\$0.00	\$1,798,900.00
Fund Type		Water	Water		
Fund		0602	0602		
Department		0933	0934		
Line Item		4381	4381		
CCO #1		\$400.19	\$400.19		\$800.38
<b>CCO #2</b>		\$1,192.64	\$1,192.63		\$2,385.27
CCO #3		\$18,792.17	\$18,792.17		\$37,584.34
CCO #4		<b>\$10,535.32</b>	<b>\$10,535.32</b>		<b>\$21,070.64</b>
Adjusted Funding	\$0.00	\$930,370.32	\$930,370.31	\$0.00	\$1,860,740.63

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**PROJECT NO. W03-953 / CIP 50318**

**October 10, 2007**

**ORIGINAL CONTRACT AMOUNT: \$1,798,900.00**

**CONTRACTOR: HEAVY CONSTRUCTORS, INC. dba GUSTAFSON BUILDERS INC.**

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
12	RFP 7 - Add 40' length to turbine pump column for Well 12	Since drilling Well 12 in 2002, static water level has declined by 21 feet (from 115 feet to 136 feet below surface). Added pump length is needed to provide adequate intake submergence during pumping. Adding 40 feet provides a safety factor for possible f
13	RFP 12 - Add Trex Closure strip at perimeter of emergency generator pit	A 3-inch to 4-inch space between the emergency generator housing and the concrete pit foundation will allow debris to fall into the pit area resulting in a maintenance problem due to limited access to the pit area, possible pit drain plugging. The propose
14	RFP 13 - Credit for change in lab casework and countertop	Floor plan modifications in the lab area included in previously-approved Change Order #2 resulted in elimination of a 24-inch wide base cabinet and countertop. This item is a credit for the reduced cabinet size.
15	RFP 14 - Add ceiling fan for ventilation above Clortec rectifier	The Clortec electrical rectifier generates significant heat during operation. The Clortec company recommends providing supplemental ventilation for heat dissipation in the chemical room. This change adds a ceiling fan and ducting to accomplish the added v
16	RFP 15 - Add attic access hatches to lab area and pump room. Enclose 3" Clortec vent at roof area	Attic access was not provided for in the original plans. Ventilation, electrical equipment and process venting are to be located in the attic area above the finished ceiling. Access to the equipment is needed for installation and testing of the equipment,
17	RFP 16 - Siemens control system programming changes and wiring alteration for Variable Torque Drive (VTD) for Well 12 pump	It is desired by the City Water Department to be able to by-pass the variable-speed drive provided for the Well 12 turbine pump, so that the well may be used even if the variable torque drive is inoperable due to malfunction or planned maintenance. This c
18	Credit for reduced rental time for temporary booster pump included in C.O. #3	The temporary booster pump was authorized by the City to be removed 1 week earlier than provided for in Change Order #3. The reduced time on site resulted in a reduced rental period and credit.
19	Change air infiltration barrier under building siding from asphalt felt to Tyvek	The originally-specified infiltration barrier material was determined at the time of construction to be incompatible with the rigid insulation under the building siding. The material change is needed to prevent long-term deterioration of insulation.

PREPARED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

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