

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER # 3
 KEPPS RESERVOIR CONTROL VALVE STATION
 PROJECT NO. W10-1845 / CIP NO. 50784
 March 19, 2012
 ORIGINAL CONTRACT AMOUNT: \$437,000.00
 CONTRACTOR: DEAN KURTZ CONSTRUCTION CO.

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	KEPPS RESERVOIR CONTROL VALVE STATION as described in the contract documents. The Total Bid Price shall include the entire project work, including all sitework, structures, mechanical systems, equipment, electrical systems, start-up, training and related work.	LS	1.00	\$437,000.00	\$437,000.00	1.00	\$437,000.00	\$0.00
2	Adjust elevation at existing 8" reservoir piping.	LS	1.00	\$4,295.00	\$4,295.00	1.00	\$4,295.00	\$0.00
3	RFP #2 - Door Hardware Upgrade	LS	1.00	\$1,132.00	\$1,132.00	1.00	\$1,132.00	\$0.00
4	RFP #3 - Guardrail	LS	1.00	\$4,653.00	\$4,653.00	1.00	\$4,653.00	\$0.00
5	RFP #4 - Electrical Modifications	LS	1.00	\$1,211.00	\$1,211.00	1.00	\$1,211.00	\$0.00
6	RFP #5 - Skyline Vault Heater	LS	1.00	\$830.00	\$830.00	1.00	\$830.00	\$0.00
7	Hyland Drive Water Main Alterations	LS	0.00	\$4,711.00	\$0.00	1.00	\$4,711.00	\$4,711.00
TOTAL					\$449,121.00	\$449,121.00	\$453,832.00	\$4,711.00
C.C.O. HISTORY INCREASE/(DECREASE)					PRIOR ADJUSTED CONTRACT PRICE :		\$449,121.00	
			CCO #1	\$4,295.00	NET INCREASE/(DECREASE):		\$4,711.00	
			CCO #2	\$7,826.00	ADJUSTED CONTRACT PRICE:		\$453,832.00	
			CCO #3	\$4,711.00	CHANGE TO DATE:		\$16,832.00	

<i>Dean Kurtz</i> CONTRACTOR: Dean Kurtz Construction, 1651 Rand Rd, Rapid City, SD 57702 - 343-6665	4-2-12 DATE
<i>CE TEC</i> CONSULTANT: CE TEC Engineering Services, Inc.	3/28/12 DATE
<i>Klare Schroeder</i> PROJECT MANAGER: KLAIRE SCHROEDER, P.E.	3/26/12 DATE
<i>Dale Tech</i> CITY ENGINEER: DALE TECH, P.E. / L.S.	3-26-12 DATE
MAYOR: SAM KOOIKER	DATE
FINANCE: PAULINE SUMPTION	DATE
CONTRACT TIME CHANGE +/-: 0 NEW CONTRACT TIME: Days	

City Staff recommends approval of this Change Order # 3 to Dean Kurtz Construction Company for (an increase ~~OR a decrease~~) of \$4,711.00 based on unit pricing with the following appropriation:

Initial Funding		\$437,000.00			\$437,000.00
Fund Type		Water			
Department		0933			
Line Item		4381			
Fund		0602			
CCO #1		\$4,295.00			\$4,295.00
CCO #2		\$7,826.00			\$7,826.00
CCO #3		\$4,711.00			\$4,711.00
Adjusted Funding		\$453,832.00		\$453,832.00	\$453,832.00

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LINE ITEM	DESCRIPTION	REASON FOR CHANGE
2	Adjust elevation at existing 8" reservoir piping.	Existing 8" PVC reservoir pipe was found to be 8" to 14" lower in elevation than anticipated at the location of the new control building. Pipe is not level, sloping from west to east. The proposed change includes raising and leveling the 8" pipe using vertical pipe bends located at the exterior of the structure. The change also includes lowering the proposed finish floor by 1-1/2". The raising and leveling of the pipe at the new control building is to provide adequate clearance above the lower level floor for new valves and fittings.
3	RFP #2 - Door Hardware Upgrade	Add \$1,132.00. Project specifications did not include standard door hardware and lockset per City Water Department standards for entry door into new control building. This was a design omission. Work scope includes removing original cylinder lock, installing new stainless steel knob with latchset and deadbolt lock per Water Department standards.
4	RFP #3 - Guardrail.	Add \$4,653.00. Water Department has requested addition of protective guardrail at south side of site to protect new building from vehicles leaving Skyline Drive on hairpin turn at the site. Water Department has experienced reservoir fence damage on numerous occasions from out-of-control vehicles. The new control building is in line with previous off-road travel path. The guardrail is necessary to protect building and reduce City liability which may accrue from future similar events. The work consists of constructing 110 LF of W Beam guardrail plus associated site restoration.
5	RFP #4 - Electrical Modifications.	Add \$1,211.00. Electrical plans did not include necessary conduit between building electric service panel and exterior in-ground j-box for power feed to the remote Skyline control vault. Electrical plans did not include necessary thermostat for control of building ventilation system. These were design omissions. The added work is to provide and install the needed conduit and furnish and install the needed line voltage thermostat.
6	RFP #5 - Skyline Vault Heater.	Add \$830.00. Electrical design of the below-grade Skyline valve vault did not include supplemental heat for freeze protection at vault interior. Small diameter pilot tubing on the pressure reducing valve in the vault may be vulnerable to freezing in extreme cold. Supplemental electric heat in vault will prevent freezing of pilot tubing and maintain proper valve operation. This change is at the request of the Water Department.
7	Hyland Drive Water Main and Service Line Alterations.	Add \$4,711.00. The planned 6" water main extension in Hyland Drive near 1106 Hyland could not be constructed as shown on Plan Sheet D-2. The existing 6" gate valve at the proposed beginning of the main extension was found to be an unrestrained older style valve with non-conforming leaded joints. Replacement of the existing valve, including thrust restraint anchor block, was required by Utility Maintenance prior to commencing water main construction. The existing Hyland Drive main depth of cover was found to be less than the required 6'. The main extension was constructed with 2" rigid insulation over the pipe per Standard Specification requirements. The length of service pipe required for 1120 Hyland Drive exceeded the plan amount by 15 feet. The service size at 1106 Hyland was found to be 1 1/4" versus 1", thus necessitating adaptor installation.

PREPARED BY: Greg Wierenga, P.E.

DATE: March 19, 2012