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ENGINEERING
SERVICES

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #1
Well #5 Pump Replacement & Electrical Improvemnts / Well #6 Pump Replacement & Electrical Improvements
20-2574 / 21-2640
January 3, 2022
ORIGINAL CONTRACT AMOUNT: \$545,025.00
CONTRACTOR: LAYNE CHRISTENSEN COMPANY

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	WELL #5 BASE BID	LS	1.00	\$221,900.00	\$221,900.00	1.00	\$221,900.00	\$0.00
2	WELL #5 ALTERNATE #1	LS	1.00	\$53,120.00	\$53,120.00	0.00	\$0.00	(\$53,120.00)
3	WELL #6 BASE BID	LS	1.00	\$221,300.00	\$221,300.00	1.00	\$221,300.00	\$0.00
4	WELL #6 ALTERNATE #1	LS	1.00	\$48,705.00	\$48,705.00	0.00	\$0.00	(\$48,705.00)
5 - CO1	WELL #5 CT CABINET METER	LS	0.00	\$3,474.00	\$0.00	1.00	\$3,474.00	\$3,474.00
6 - CO1	WELL #6 CT CABINET METER	LS	0.00	\$3,474.00	\$0.00	1.00	\$3,474.00	\$3,474.00
7 - CO1	WELL #5 PRESSURE TRANSDUCER	LS	0.00	\$3,710.00	\$0.00	1.00	\$3,710.00	\$3,710.00
8 - CO1	WELL #6 PRESSURE TRANSDUCER	LS	0.00	\$2,920.00	\$0.00	1.00	\$2,920.00	\$2,920.00
9 - CO1	WELL #5 SMALLER PUMP CABLE	LS	0.00	(\$12,000.00)	\$0.00	1.00	(\$12,000.00)	(\$12,000.00)
TOTAL					\$545,025.00		\$444,778.00	(\$100,247.00)

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$545,025.00
CCO #1	(\$100,247.00)	NET INCREASE/(DECREASE):	(\$100,247.00)
	\$0.00	ADJUSTED CONTRACT PRICE:	\$444,778.00
	\$0.00	CHANGE TO DATE:	(\$100,247.00)

CONTRACTOR:	 LAYNE CHRISTENSEN COMPANY	DATE	1-6-22
PROJECT MANAGER:	JESSE RIEB	DATE	1-12-22
CITY ENGINEER:	BEN GANJE, P.E.	DATE	1-12-22
MAYOR:	STEVE ALLENDER	DATE	
FINANCE:	PAULINE SUMPTION	DATE	
CONTRACT TIME CHANGE +/-: 120 DAYS		NEW CONTRACT COMPLETION DATE: March 31, 2022	

City Staff recommends approval of this Change Order #1 to Layne Christensen Company for a decrease of \$100,247.00 based on unit pricing with the following appropriation:

Initial Funding		\$545,025.00				\$545,025.00
Fund Type		Water				
Department		0933				
Line Item		4381				
Fund		0602				
CCO #1		(\$100,247.00)				(\$100,247.00)
						\$0.00
						\$0.00
Adjusted Funding		\$444,778.00			\$444,778.00	\$444,778.00

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CONTRACTOR: LAYNE CHRISTENSEN COMPANY

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
2	WELL #5 ALTERNATE #1	The alternate was intended for the replacement of the pitless adapter depending on condition. The condition could not be known until the well components were removed from the well. Upon inspection it was determined that the pitless adapter was in good shape and doesn't need to be replaced.
4	WELL #6 ALTERNATE #1	The alternate was intended for the replacement of the pitless adapter depending on condition. The condition could not be known until the well components were removed from the well. Upon inspection it was determined that the pitless adapter was in good shape and doesn't need to be replaced.
5 - CO1	WELL #5 CT CABINET METER	During design BHP was consulted and their standard at that time was only one CT Cabinet for the two meters in the well house. After bidding BHP changed their standard and requested that each meter have their own CT Cabinet.
6 - CO1	WELL #6 CT CABINET METER	During design BHP was consulted and their standard at that time was only one CT Cabinet for the two meters in the well house. After bidding BHP changed their standard and requested that each meter have their own CT Cabinet.
7 - CO1	WELL #5 PRESSURE TRANSDUCER	During design the water department requested that a tranducer pipe be installed and then at a later date the water department would install a transducer in the pipe on their own. When the well components were removed it was discovered that the pitless adapter was a total sealed unit pitless adapter and transducer could not be installed without removing all the components of the well. It was determined to add it to the contract to be installed when the CIP work was being done.
8 - CO1	WELL #6 PRESSURE TRANSDUCER	During design the water department requested that a tranducer pipe be installed and then at a later date the water department would install a transducer in the pipe on their own. When the well components were removed it was discovered that the pitless adapter was a total sealed unit pitless adapter and transducer could not be installed without removing all the components of the well. It was determined to add it to the contract to be installed when the CIP work was being done.
9 - CO1	WELL #5 SMALLER PUMP CABLE	The contract documents and approved shop drawings called for the use of a 500 MCM submersible pump cabling at Well #5; which is consistent with the pump cabling that was removed to handle the slightly larger 250 HP pump installed originally. Since the pump in the approved shop drawings is only a 200 HP, West Plains Engineering felt it would be acceptable to use the 350 MCM submersible cable proposed by the contractor.
	CONTRACT TIME CHANGE	Due to the supply chain issues there has been time delays in receiving the soft starts.

PREPARED BY: Jesse Rieb

DATE: 12/14/2021

	FUNDING TYPE	Water	
	COST CENTER	0933	
	LINE ITEM	4381	
	FUND	0602	
ITEM NO.	DESCRIPTION OF ITEM	AMOUNT	PERCENT
1	WELL #5 BASE BID	0.00	100%
2	WELL #5 ALTERNATE #1	-53,120.00	100%
3	WELL #6 BASE BID	0.00	100%
4	WELL #6 ALTERNATE #1	-48,705.00	100%
5 - CO1	WELL #5 CT CABINET METER	3,474.00	100%
6 - CO1	WELL #6 CT CABINET METER	3,474.00	100%
7 - CO1	WELL #5 PRESSURE TRANSDUCER	3,710.00	100%
8 - CO1	WELL #6 PRESSURE TRANSDUCER	2,920.00	100%
9 - CO1	WELL #5 SMALLER PUMP CABLE	-12,000.00	100%
		(\$100,247.00)	