City of Carroll

112 E. 5th Street Carroll, Iowa 51401-2799 (712) 792-1000 FAX: (712) 792-0139

MEMO TO: Mike Pogge-Weaver, City Manager MJPW

FROM: Randall M. Krauel, Director of Public Works RMK

DATE: November 4, 2020

SUBJECT: Water Supply Well Replacement - 2020
Change Order No. 1

During construction of the Water Supply Well Replacement (Well 20), the planned preliminary testing work provided information that could improve development of the Well and provide capacity above the original estimate. The testing, impact and costs are summarized as follows:

A. Test well geology indicated that the outer casing could be extended a short distance to the water bearing formation. The extension would improve drilling methods to reduce the amount of mud used in drilling through the formation and improve development of the well.

Cost: $8,034.96

B. The 8-hour and 24-hour pump tests indicated that the well was capable of producing more than the estimated 400 gallons per minute (gpm) flow capacity. Based on the tests, a capacity of 650 gpm is recommended. The proposed change is to increase the pump size to provide the recommended capacity.

Cost: $1,844.00

Total Change Order Cost $9,878.96

The effect of proposed Change Order No. 1 on the Contract Price is as follows:

Original Contract Price	$568,790.00
Change Order No. 1	$9,878.96
Contract Price w/Change Order	$578,668.96

No change in Contract time is included in proposed Change Order No. 1.

RECOMMENDATION: Mayor and City Council consideration of acceptance of Change Order No. 1 to the Water Supply Well Replacement – 2020 project in the amount of $9,878.96.

RMK:ds

attachment

Change Order No. 1

Date of Issuance:	**November 2, 2020**	Effective Date:	**November 9, 2020**
Owner:	**City of Carroll**	Owner's Contract No.:	
Contractor:	**Sargent Drilling**	Contractor's Project No.:	
Engineer:	**JEO Consulting Group, Inc.**	Engineer's Project No.:	**191586.00**
Project:	**2020 Water Supply Well Repl.**	Contract Name:	

The Contract is modified as follows upon execution of this Change Order:

Description: **Inclusion of Work Change Directives No. 1 and No. 2 into the contract to reflect subsurface conditions and to increase capacity of the new Well #20.**

Attachments: **Unit Price Change Order Estimate**

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
Original Contract Price: $ **568,790.00**	Original Contract Times: Substantial Completion: **180** Ready for Final Payment: **210** days
No previously approved change orders. $ **0.00**	No previously approved change orders. Substantial Completion: **0** Ready for Final Payment: **0** days
Contract Price prior to this Change Order: $ **568,790.00**	Contract Times prior to this Change Order: Substantial Completion: **180** Ready for Final Payment: **210** days
Increase of this Change Order: $ **9,878.96**	Increase of this Change Order: Substantial Completion: **0** Ready for Final Payment: **0** days or dates
Contract Price incorporating this Change Order: $ **578,668.96**	Contract Times with all approved Change Orders: Substantial Completion: **180** Ready for Final Payment: **210** days

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: [signature]	By:	By: [signature]
Engineer (if required)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Title: **Project Engineer**	Title:	Title: Municipal Manager
Date: **November 2, 2020**	Date:	Date: 11-2-20

Change Order Estimate

JEO Project Name:	**2020 Water Supply Well Repl.**	JEO Project Number:	**191586.00**
Owner:	**City of Carroll**	Change Order Number:	**1**
Contractor:	**Sargent Drilling**	Effective Date:	**November 9, 2020**

Item		Change Order Information			
Bid Item No.	Description	Item Quantity	Units	Unit Price	Total Value of Item ($)
Work Change Directive No. 1 - Final Quantities					
11	36" DRILLED HOLE	6	VF	$209.00	$1,254.00
12	24" STEEL CONDUCTOR CASING	16	VF	$155.00	$2,480.00
13	GROUT 36" DRILL HOLE	21%	EA	$15,616.00	$3,279.36
14	24" DRILLED HOLE	8	VF	$66.00	$528.00
15	14" STAINLESS STEEL SCREEN	-6	VF	$244.00	($1,464.00)
16	14" STEEL CASING	14	VF	$81.00	$1,134.00
17	GRAVEL PACK	20%	LS	$4,118.00	$823.60
18	GROUT 24" DRILL HOLE, DEVELOP, AND DISINFECT WELL	N.C.	EA	$18,145.00	$0.00
				$0.00	$0.00
Work Change Directive No. 2 - Final Quantities				$0.00	$0.00
22	VERTICAL TURBINE PUMP, MOTOR, AND COLUMN PIPE	3.5%	EA	$53,444.00	$1,844.00
				$0.00	$0.00
				$0.00	$0.00
				$0.00	$0.00
				$0.00	$0.00
				$0.00	$0.00
				$0.00	$0.00
				$0.00	$0.00
				$0.00	$0.00
				$0.00	$0.00
				$0.00	$0.00
		Total			**$9,878.96**