



Bolton & Menk

Change Order Details

Marshalltown - Edgewood Extension

Description

Prime Contractor CON-STRUCT, INC.

Change Order 4

Status Pending

Date Created 10/19/2022

Type Local Funding

Summary Change Order #4

Change Order Description

During design for the Edgewood extension project an existing 24-inch water main that runs through the site was determined to conflict with a proposed storm water ditch. The design was able to be adjusted to avoid the existing water main in all locations except for the ditch location. The design planned to lower the 24-inch water main within the conflict area. Through design coordination it was anticipated that the existing 24-inch watermain that runs through the project would be able to be shutdown to lower the water main to provide the required cover over the water main and a proposed ditch crossing. During construction it was determined that the 24-inch water main was not able to be shut down. During an initial shutdown of the 24-inch water main the Alliant energy power plant began to see reduced water feed to the plant which if continued would have impacted their operations. In discussion with Marshalltown Water Works it was found the water main was not looped as they thought during design. Discussion was then had with Aliant Energy and it was determined that the power plant would be shut down from October 15th through October 23rd for maintenance. It was anticipated that during this time frame the water main could be lowered. During the shutdown the water main would have to be lowered and have passing tests for both pressure and bacteria prior to the power plant coming back on line. If all of this was not able to be accomplished in the timeframe the water main would have to be turned back on to provide flow to the power plant an entire City boil order be in effect.

In further discussions including the City, Marshalltown Water work, the Contractor and Bolton & Menk it was determined that the possibility of an entire City boil order was not an option. Because of this, alternative designs were evaluated to see if the water main lowering could be avoided. Through a combined effort of all involved parties an alternative design was approved. This includes the installation of two new 12-inch storm sewer pipes in the proposed ditch and increasing the cover on the existing water main.

The proposed change order included the new 12-inch storm sewer pipe, removal of the 24-inch water main items and payment to the contractor

for stored items. The contractor is not able to return the purchased water main materials so the materials will be purchased from the contractor and become City stock items.

Awarded Project Amount	\$6,088,627.50
Authorized Project Amount	\$6,060,903.90
Change Order Amount	-\$123,747.11
Revised Project Amount	\$5,937,156.79

Increases/Decreases

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised	
				Quantity	Amount	Quantity	Amount	Quantity	Amount
Section: 1 - Description									
0017	4020-108-A-1	LF	\$55.000	737.000	\$40,535.00	48.000	\$2,640.00	785.000	\$43,175.00
STORM SEWER, TRENCHED, RCP, 12 INCH									
0035	5010-108-A-1	LF	\$350.000	71.000	\$24,850.00	-71.000	-\$24,850.00	0.000	\$0.00
WATERMAIN, TRENCHED, DUCTILE IRON, 24 INCH									
0039	5020-108-A-0	EA	\$8,700.000	1.000	\$8,700.00	-1.000	-\$8,700.00	0.000	\$0.00
VALVE, BUTTERFLY, 24 INCH, FURNISH ONLY									
0040	5020-108-A-0	EA	\$2,000.000	1.000	\$2,000.00	-1.000	-\$2,000.00	0.000	\$0.00
VALVE, BUTTERFLY, 24 INCH, INSTALLATION									
0041	5020-108-A-0	EA	\$61,000.000	2.000	\$122,000.00	-2.000	-\$122,000.00	0.000	\$0.00
VALVE, INSERTION VALVE, 24 INCH									

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised	
				Quantity	Amount	Quantity	Amount	Quantity	Amount
0045	5020-108-X-2	EA	\$26,000.000	1.000	\$26,000.00	-1.000	-\$26,000.00	0.000	\$0.00
WATERMAIN OFFSET, 24 INCH									
6 items			Totals		\$224,085.00		-\$180,910.00		\$43,175.00

New Items

Line Number	Item ID	Unit	Quantity	Unit Price	Extension
Section: 1 - Description					
8008	2416-0100012	EACH	4.000	\$2,500.000	\$10,000.00
APRONS, CONCRETE, 12 IN. DIA.					
8009	5010-108-X-0	LS	1.000	\$16,800.000	\$16,800.00
WATERMAIN, TRENCHED, DUCTILE IRON, 24 INCH - STOCKPILED MATERIALS					
8010	5020-108-X-3	LS	1.000	\$23,020.000	\$23,020.00
WATERMAIN OFFSET, 24 INCH - STOCKPILED MATERIALS					
8011	5020-108-X-0	LS	1.000	\$7,342.890	\$7,342.89
VALVE, BUTTERFLY, 24 INCH, FURNISH ONLY - STOCKPILED MATERIAL					
4 items					Total: \$57,162.89

Signatures

Agreed -  Date: 11/10/22
Contractor

Recommended - Gregory Brownard Date: 11/10/22
Project Engineer

Approved - _____ Date: _____
City