



City of Grand Island

Tuesday, September 13, 2022

Council Session

Item G-13

**#2022-244 - Approving Change Order #1 for Water Main Project
2022-W-1 - 18th Street**

Staff Contact: Tim Luchsinger, Stacy Nonhof

Council Agenda Memo

From: Timothy Luchsinger, Utilities Director
Stacy Nonhof, Interim City Attorney

Meeting: September 13, 2022

Subject: Change Order #1 for Water Main
Project 2022-W-1 – 18th Street

Presenter(s): Timothy Luchsinger, Utilities Director

Background

Water Main Project 2022-W-1 installed approximately 328 linear feet of 6” diameter ductile iron pipe for water main lowerings in the 18th Street/Park Avenue, 18th Street/Grand Island Avenue and 18th Street/Huston Avenue intersections. The project resolved previously unknown storm sewer and water main conflicts within the three intersections.

Discussion

The original contract was awarded by City Council on March 22, 2022, in the amount of \$156,216.80 to The Diamond Engineering Company of Grand Island, Nebraska.

Additional items were required to complete the project. Three existing water services were encountered within the abandonment areas and needed to be reconnected. Additional water main fittings were installed to maintain required clearances between water main and storm sewer and due to the existing water main being oversized. The total cost for additional items is \$5,075.00.

During the process of constructing the contract, materials were added or deducted to complete the work. Unit prices were provided in the Contract and specified that the contractor be paid on the basis of actual quantity installed, times the Contract’s unit price. A significant portion of this increase was due to the existing water main alignment and location of existing water main joints. Water main tap locations had to be adjusted therefore affecting the amount of slip joint pipe and mechanical joint pipe installed. This total is \$6,310.65.

The original Engineer's estimate was \$200,000.00. The original contract was for \$156,216.80. The total changes to the contract amount to \$11,385.65. This results in a final contract cost of \$167,602.45.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to a future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approve Change Order #1 to the Water Main Project 2022-W-1 Contract in the amount of \$11,385.65, for a final contract amount of \$167,602.45.

Sample Motion

Move to approve Change Order #1 with The Diamond Engineering Company to the Water Main Project 2022-W-1 Contract in the amount of \$11,385.65, for a final contract amount of \$167,602.45.

*Working Together for a
 Better Tomorrow, Today.*

CHANGE ORDER #1

NAME OF PROJECT: Water Main Project 2022-W-1, 18TH STREET CONFLICTS

CONTRACTOR: The Diamond Engineering Company
 1521 W. Anna, PO Box 1327
 Grand Island, NE 68802-1327

OWNER: City of Grand Island, NE

THE FOLLOWING MODIFICATIONS TO THE CONTRACT ARE HEREBY ORDERED:

ITEM	DESCRIPTION	BID			INSTALLED		
		QUANTITY	UNIT	Unit Price \$	QUANTITY	UNIT	\$ +/-
D.1.01	6" S.J. D.I. PIPE	195.00	LF	\$140.00	265.10	LF	\$9,814.00
D.1.02	6" M.J. D.I. PIPE (INSTALLATION ONLY)	105.90	LF	\$95.00	62.50	LF	-\$4,123.00
D.1.09	6" SOLID SLEEVE	1.00	EA	\$438.00	0.00	EA	-\$438.00
D.1.10	6" M.J. PLUG	3.00	EA	\$285.00	0.00	EA	-\$855.00
D.1.12	6" RETAINER GLAND	80.00	EA	\$104.00	75.00	EA	-\$520.00
D.1.15	POLYWRAP	300.90	LF	\$2.00	327.60	LF	\$53.40
D.1.16	THRUST BLOCK	5.00	EA	\$327.00	4.00	EA	-\$327.00
D.1.19	DUC-LUGS & REDI-ROD	4.00	SET	\$175.00	0.00	SET	-\$700.00
D.1.20	REMOVE AND DISPOSE EXISTING WATER MAIN	18.00	LF	\$20.00	18.50	LF	\$10.00
D.1.21	REMOVE CURB	173.00	LF	\$2.50	173.30	LF	\$0.75
D.1.22	REPLACE CURB	173.00	LF	\$9.50	173.30	LF	\$2.85
D.1.23	REMOVE CONCRETE ROADWAY	249.20	SY	\$12.00	259.60	SY	\$124.80
D.1.24	REPLACE CONCRETE ROADWAY (47B MODIFIED)	249.20	SY	\$88.00	259.60	SY	\$915.20
D.1.25	REMOVE SIDEWALK	614.00	SF	\$2.00	731.10	SF	\$234.20
D.1.26	REPLACE SIDEWALK	614.00	SF	\$7.50	731.10	SF	\$878.25
D.1.28	SODDING	1,342.50	SF	\$2.60	1,819.50	SF	<u>\$1,240.20</u>
SUBTOTAL D.1.01-D.1.30 (ADD):							\$ 6,310.65

-	2018 W. 18 TH STREET WATER SERVICE RECONNECTION	-	-	\$992.80	1.00	LS	\$992.80
-	1810 N. PARK AVE WATER SERVICE RECONNECTION	-	-	\$2,058.20	1.00	LS	\$2,058.20
-	1814 W. 18 TH STREET WATER SERVICE RECONNECTION	-	-	\$1,072.00	1.00	LS	\$1,072.00
-	6" FOSTER ADAPTOR	-	-	\$410.00	1.00	EA	\$410.00
-	6" ROMAC COUPLING	-	-	\$542.00	1.00	EA	<u>\$542.00</u>
SUBTOTAL ADDITIONAL ITEMS (ADD):							\$ 5,075.00

THIS CHANGE ORDER AMOUNT (ADD): \$ 11,385.65
 ORIGINAL CONTRACT AMOUNT: \$ 156,216.80
REVISED CONTRACT AMOUNT (including this Change Order) \$ 167,602.45

REASONS FOR MODIFICATIONS:

During the process of constructing the contract, materials were added or deducted to complete the work. Unit prices were provided in the Contract and specified that the contractor be paid on the basis of actual quantity installed, times the Contract's unit prices. A significant portion of this increase was due to the existing water main alignment and location of existing water main joints. Water main tap locations had to be adjusted therefore affecting the amount of slip joint pipe and mechanical joint pipe installed. Additional items were required to complete the project. Three existing water services were encountered within the abandonment areas and needed to be reconnected. Additional water main fittings were installed to maintain required clearances between water main and storm sewer and due to the existing water main being oversized.

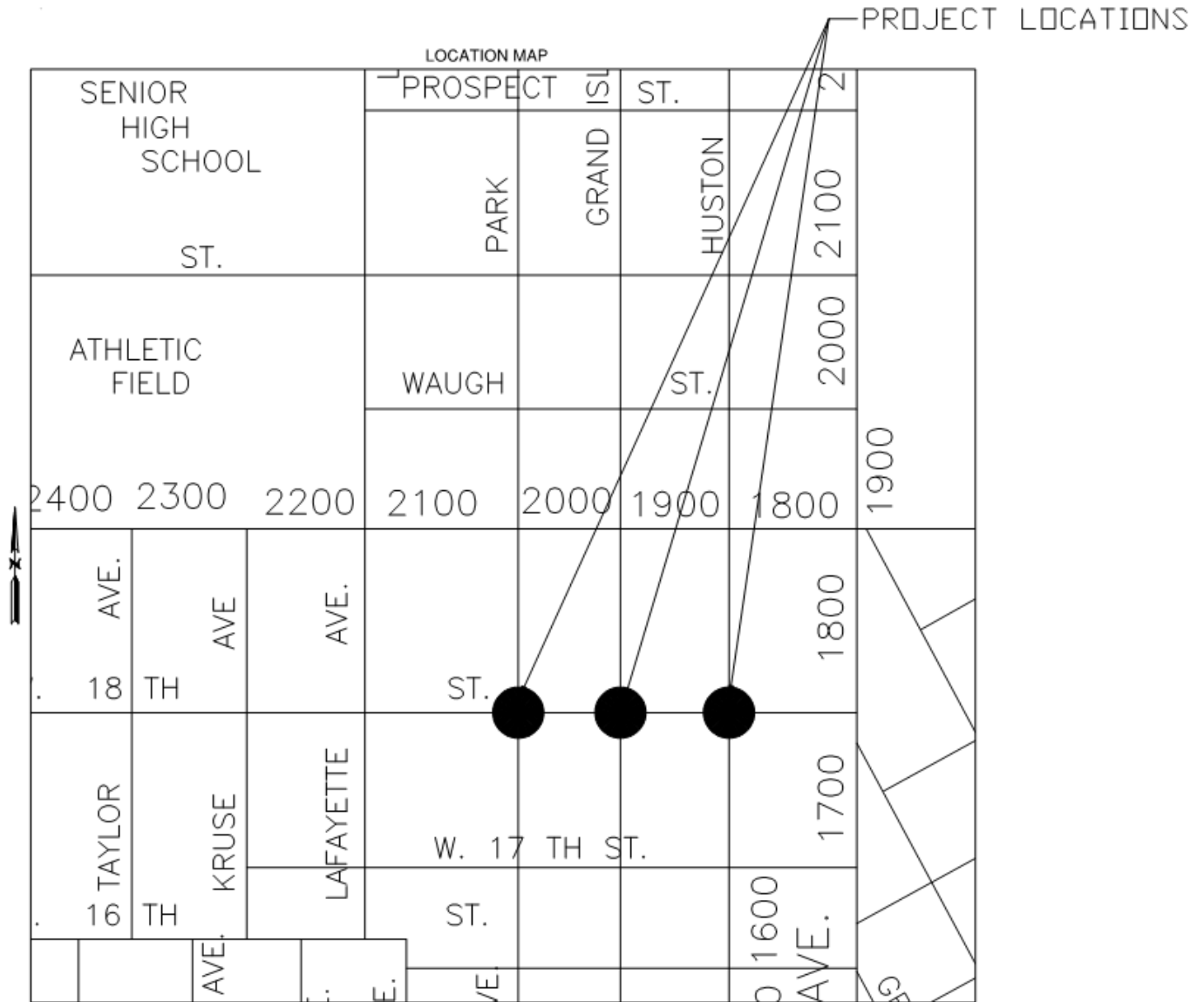
Contractor: _____
The Diamond Engineering Company

Date: _____

Owner: _____
City of Grand Island, NE

Date: _____

WATER MAIN PROJECT 2022-W-1



RESOLUTION 2022-244

WHEREAS, Water Main Project 2022-W-1 installed a 6” diameter ductile iron water main along 18th Street from Park Avenue to Huston Avenue; and

WHEREAS, the original contract was awarded by Council on March 22, 2022, in the amount of \$156,216.80 to The Diamond Engineering Company, of Grand Island, Nebraska; and

WHEREAS, during the process of constructing the water main, materials were added or deducted to complete the work and unit prices were provided in the Contract and specified that the contractor be paid on the basis of actual quantity installed, times the Contract’s unit price; and

WHEREAS, the original contract amount was \$156,216.80, and the total change to the contract amount was \$11,385.65, resulting in a final contract cost of \$167,602.45.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Change Order #1 for the construction of Water Main Project 2022-W-1 in the amount of \$11,385.65, is approved, and the Mayor is hereby authorized to sign the Change Order on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska, September 13, 2022.

Roger G. Steele, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☒ _____
September 9, 2022	☒ City Attorney