

ERIE COUNTY WATER AUTHORITY
AUTHORIZATION FORM
For Approval/Execution of Documents
(check which apply)

Contract: CH-010 **Project No.:** 201800075
Project Description: Water System Improvements, Town of Cheektowaga.

Item Description:


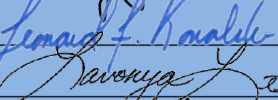




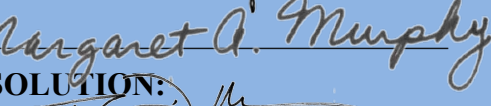
- | | | | |
|---|--|---|--|
| <input type="checkbox"/> Agreement | <input type="checkbox"/> Professional Service Contract | <input type="checkbox"/> Amendment | <input checked="" type="checkbox"/> Change Order |
| <input type="checkbox"/> BCD | <input type="checkbox"/> NYSDOT Agreement | <input type="checkbox"/> Contract Documents | <input type="checkbox"/> Addendum |
| <input type="checkbox"/> Recommendation for Award of Contract | <input type="checkbox"/> Recommendation to Reject Bids | | |
| <input type="checkbox"/> Request for Proposals | | | |
| <input type="checkbox"/> Other _____ | | | |

Action Requested:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Board Authorization to Execute | <input checked="" type="checkbox"/> Legal Approval |
| <input type="checkbox"/> Board Authorization to Award | <input checked="" type="checkbox"/> Execution by the Chairman |
| <input type="checkbox"/> Board Authorization to Advertise for Bids | <input type="checkbox"/> Execution by the Secretary to the Authority |
| <input type="checkbox"/> Board Authorization to Solicit Request for Proposals | |
| <input type="checkbox"/> Other _____ | |

Approvals Needed:

APPROVED AS TO CONTENT:

- | | | |
|--|--|-------------------------|
| <input type="checkbox"/> Other (if Applicable) | _____ | Date: _____ |
| <input checked="" type="checkbox"/> Chief Operating Officer |  | Date: <u>3/3/2020</u> |
| <input checked="" type="checkbox"/> Executive Engineer |   | Date: <u>03-03-2020</u> |
| <input checked="" type="checkbox"/> Director of Administration |  | Date: <u>03/03/2020</u> |
| <input checked="" type="checkbox"/> Risk Manager |  | Date: <u>3/3/2020</u> |
| <input checked="" type="checkbox"/> Chief Financial Officer |  | Date: <u>3/4/20</u> |
| <input checked="" type="checkbox"/> Legal |  | Date: <u>3/4/20</u> |

APPROVED FOR BOARD RESOLUTION:

- | | | |
|--|--|-----------------------|
| <input checked="" type="checkbox"/> Secretary to the Authority |  | Date: <u>03/04/20</u> |
|--|--|-----------------------|

Remarks: Change Order #1

Resolution Date: _____

Item No: _____



ERIE COUNTY WATER AUTHORITY

INTEROFFICE MEMORANDUM

March 3, 2020

To: Terrence D. McCracken, Secretary to the Authority

From: Jeffrey R. Sylvester, Distribution Engineer

Handwritten initials "JRS" in black ink.

Subject: Contract CH-010
Water System Improvements
Town of Cheektowaga
ECWA Project No. 201800075

Attached is a Change Order No. 1 request for the above referenced project to extend the Substantial Completion and Final Completion dates and to increase the contract amount to \$2,614,417.00. The contractor, 716 Site Contracting, Inc., experienced unforeseen delays due to:

- Lead time for ordering butterfly valves
- Proximity of existing gas main to proposed waterline location
- In the vicinity of the easterly tie in of the 24-inch cast iron waterline, the contractor discovered the existing waterline to be prestressed cylinder concrete pipe (PCCP). The additional scope included approximately 200 linear feet of 24-inch waterline, 50 linear feet of 12-inch waterline and appurtenances, the crossing of two culverts and connection to the PCCP waterline and associated restoration.
- Additional sample point was required due to additional waterline installation.
- A portion of the newly installed waterline was reconfigured due to conflicts with unforeseen existing utilities.
- The contractor encountered adverse soil conditions requiring testing by an independent laboratory and was determined to be urban fill. The contractor had to handle this material multiple times.
- Additional test pits were required due to the additional waterline added to the project.

These issues were beyond the contractor's control.

This Change Order involves a time extension and a change of cost for construction.

The Consultant is recommending the following extensions to the substantial and final completion dates:

- Substantial Completion: extend the existing October 31, 2019 to May 29, 2020 (211 days).
- Final Completion: extend the existing November 30, 2019 to June 26, 2020 (209 days)

To: Terrence D. McCracken
Secretary to the Authority

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March 3, 2020

The Consultant is recommending the following increase of the contract amount:

- Original contract amount: \$2,399,415.00
- Increased amount to complete the work outlined above: \$215,002.00
- Revised not to exceed amount of the contract: \$2,614,417.00

The following documents are attached:

- Blue Authorization Form - this form provides the project name and project number, the action that is being requested of the Board, and it provides a list of approvals that are required prior to being acted on by the Board.
- Four (4) original Change Order requests signed by the Consultant Engineer, CHA Consulting, Inc,

JRS:jmf

Attachments

cc: R.Stoll

L.Lester

L.Kowalski

CONT-CH-010-1801-I-186-B

CHANGE ORDER
NO. 1

PROJECT: CH-010 Water System Improvements – Town of Cheektowaga

OWNER: Erie County Water Authority

OWNER'S Contract No. Project No. 201800075

CONTRACTOR 716 Site Contracting, Inc. ENGINEER CHA

You are directed to make the following changes in the Contract Documents.

Description: Change Order No. 1

Reason for Change Order: Unforeseen site condition; Project limits expanded due to unforeseen site conditions

Attachments: Yes, see attached

CHANGE ORDER IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price: \$2,399,415.00	Original Contract Times N/A Substantial Completion: <u>October 31, 2019</u> Ready for final payment: <u>November 30, 2019</u> (days or dates)
Net changes from previous Change Orders No. to . \$ 0	Net changes from previous Change Orders No. to No. 0 days
Contract price prior to this Change Order: \$2,399,415.00	Contract Times prior to this Change Order Substantial Completion: <u>October 31, 2019</u> Ready for final payment: <u>November 30, 2019</u>
Net increase (decrease) of this Change Orders \$ 215,002.00	Net increase (decrease) of this Change Orders Substantial Completion – 211 days Ready for final payment – 209 days days
Contract price with all approved Change Orders: \$2,614,417.00	Contract Times with all approved Change Orders Substantial Completion: <u>May 29, 2020</u> Ready for final payment: <u>June 26, 2020</u>

RECOMMENDED:

BY: Made [Signature]
Engineer (Authorized Signature)

Date: 2/25/2020

APPROVED:

BY: _____
Owner (Authorized Signature)

Date: _____

ACCEPTED:

BY: _____
Contractor (Authorized Signature)

Date: _____



January 31, 2020

Mr. Jeff Sylvester
Erie County Water Authority
3030 Union Road
Buffalo, New York 14227-1097

Re: CH-010 – Water System Improvements – Town of Cheektowaga
ECWA Project No. 201800075
Change Order No. 1
CHA Project No. 34650

Dear Mr. Sylvester:

As you are aware, 716 Site Contracting Inc., is under contract for the construction of the above project for Erie County Water Authority (ECWA). The scope of this project was to install a 36-inch waterline and a 12-inch waterline along Cayuga Creek Road in the Town of Cheektowaga. The two proposed waterlines would replace the two existing 24-inch waterlines.

During the course of construction this year, many unforeseen issues arose that caused additional costs to be incurred and at the same time delaying 716 from progressing the work. Due to unforeseen site conditions, the project limits were expanded by approximately 200 feet which resulted in an increase in the project cost and added time to the project. Several of the unforeseen issues that delayed progress and increased costs were beyond the control of 716.

The unforeseen issues that caused additional costs and delay to the project are as follows:

- There was a 16-week lead time for the 24-inch and 36-inch butterfly valves from the suppliers.
- The proposed 36-inch waterline could not be installed as shown on the plans due to conflicts with the existing gas main. The existing gas main was not accurately shown on record plans. A redesign was required prior to 716 proceeding with the work.
- While excavating, the contractor discovered an undocumented 24-inch gas main in two locations along Cayuga Creek. National Fuel Gas investigated and notified the contractor that these gas mains were old, abandoned gas mains and could be removed.
- While excavating in the vicinity of the project limits, the existing 24-inch waterline was found to be prestressed cylinder concrete pipe instead of cast iron as originally shown. Due to this unforeseen condition, the project limits were expanded, therefore adding additional scope to the project. The additional scope included approximately 200 linear feet of 24-inch waterline, 50 linear feet of 12-inch waterline and appurtenances, the crossing of two culverts, connecting to a prestressed concrete cylinder waterline and the associated restoration.

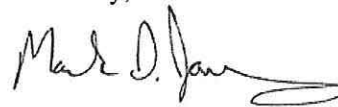
- An additional sample point was required due to the additional waterline being installed.
- A portion of the newly installed waterline was required to be reconfigured due to conflicts with unforeseen existing utilities.
- While excavating, 716 encountered adverse soil conditions. The adverse soil was an unforeseen condition. This soil was stockpiled and tested by a laboratory and was determined to be urban fill. 716 was required to handle this soil multiple times and dispose of the soil.
- Interconnection and test pit excavation requests were delayed or canceled due to unforeseen circumstances within the ECWA system.

Based on the above unforeseen circumstances, CHA recommends increasing the Contract amount for 716 Site Contracting, Inc., by \$215,002.00. A cost summary of the additional and projected work is attached to this letter. The revised not to exceed contract amount for 716 with this increase is \$2,614,417.00.

CHA also recommends revising the Substantial Completion date from October 31, 2019 to May 29, 2020 and the Final Completion date from November 30, 2019 to June 26, 2020.

Should you have any questions or require additional information, please feel free to contact me at (716) 222-2519.

Sincerely,



Mark D. Jarmuz
Project Manager

Contract No. CH-010 Water System Improvements - Town of Cheektowaga Project No. 201800075		ORIGINAL CONTRACT AMOUNT				PROJECTED CONTRACT AMOUNT				CHANGE ORDER NO. 1
ITEM NO.	DESCRIPTION	CONTRACT QUANTITY	UNIT OF MEASURE	UNIT COST	CONTRACT AMOUNT	CONTRACT QUANTITY	UNIT OF MEASURE	UNIT COST	CONTRACT AMOUNT	DIFFERENCE
1A2	Furnish and Install 6-inch DIP	65.0	LF	\$ 2.00	\$ 130.00	80.0	LF	\$ 2.00	\$ 160.00	\$ 30.00
1A3	Furnish and Install 8-inch DIP	120.0	LF	\$ 90.00	\$ 10,800.00	130.0	LF	\$ 90.00	\$ 11,700.00	\$ 900.00
1A4	Furnish and Install 10-inch DIP	10.0	LF	\$ 2.00	\$ 20.00	0.0	LF	\$ 2.00	\$ -	\$ (20.00)
1A5	Furnish and Install 12-inch DIP	1980.0	LF	\$ 80.00	\$ 158,400.00	2025.0	LF	\$ 80.00	\$ 162,000.00	\$ 3,600.00
1A7	Furnish and Install 20-inch DIP	10.0	LF	\$ 140.00	\$ 1,400.00	0.0	LF	\$ 140.00	\$ -	\$ (1,400.00)
1A8	Furnish and Install 24-inch DIP	130.0	LF	\$ 290.00	\$ 37,700.00	290.0	LF	\$ 290.00	\$ 84,100.00	\$ 46,400.00
1A9	Furnish and Install 36-inch DIP	1850.0	LF	\$ 558.00	\$ 1,032,300.00	1839.0	LF	\$ 558.00	\$ 1,026,162.00	\$ (6,138.00)
2A2	Furnish and Install 8-inch Gate Valve	3.0	EA	\$ 1,500.00	\$ 4,500.00	3.0	EA	\$ 1,500.00	\$ 4,500.00	\$ -
2B1	Furnish and Install 12-inch Butterfly Valve	7.0	EA	\$ 1,900.00	\$ 13,300.00	7.0	EA	\$ 1,900.00	\$ 13,300.00	\$ -
2B4	Furnish and Install 24-inch Butterfly Valve	4.0	EA	\$ 6,500.00	\$ 26,000.00	5.0	EA	\$ 6,500.00	\$ 32,500.00	\$ 6,500.00
2B5	Furnish and Install 36-inch Butterfly Valve	7.0	EA	\$ 14,000.00	\$ 98,000.00	7.0	EA	\$ 14,000.00	\$ 98,000.00	\$ -
2C11	Furnish and Install 24-inch x 20-inch Tapping Sleeve and Valve	2.0	EA	\$ 31,100.00	\$ 62,200.00	1.0	EA	\$ 31,100.00	\$ 31,100.00	\$ (31,100.00)
3A	Furnish and Install New Fire Hydrant Assembly	4.0	EA	\$ 9,000.00	\$ 36,000.00	4.0	EA	\$ 9,000.00	\$ 36,000.00	\$ -
3C	Fire Hydrant Abandonment	3.0	EA	\$ 1,400.00	\$ 4,200.00	3.0	EA	\$ 1,400.00	\$ 4,200.00	\$ -
4A	Test Pit Excavation and Backfill	40.0	EA	\$ 2,500.00	\$ 100,000.00	50.0	EA	\$ 2,500.00	\$ 125,000.00	\$ 25,000.00
6A	Furnish and Install Select Backfill	3500.0	CY	\$ 44.00	\$ 154,000.00	4300.0	CY	\$ 44.00	\$ 189,200.00	\$ 35,200.00
7A	Interconnection No. 1 (Cayuga Creek Road / 12" West End)	1.0	LS	\$ 9,600.00	\$ 9,600.00	1.0	LS	\$ 9,600.00	\$ 9,600.00	\$ -
7B	Interconnection No. 2 (Cayuga Creek Road / Harlem Road)	1.0	LS	\$ 9,600.00	\$ 9,600.00	0.0	LS	\$ 9,600.00	\$ -	\$ (9,600.00)
7C	Interconnection No. 3 (Cayuga Creek Road / Crisfield Avenue)	1.0	LS	\$ 9,300.00	\$ 9,300.00	1.0	LS	\$ 9,300.00	\$ 9,300.00	\$ -
7D	Interconnection No. 4 (Cayuga Creek Road / Cass Avenue)	1.0	LS	\$ 9,300.00	\$ 9,300.00	1.0	LS	\$ 9,300.00	\$ 9,300.00	\$ -
7E	Interconnection No. 5 (Cayuga Creek Road / Garland Avenue)	1.0	LS	\$ 9,300.00	\$ 9,300.00	1.0	LS	\$ 9,300.00	\$ 9,300.00	\$ -
7F	Interconnection No. 6 (Cayuga Creek Road / I90)	1.0	LS	\$ 14,700.00	\$ 14,700.00	1.0	LS	\$ 14,700.00	\$ 14,700.00	\$ -
7G	Interconnection No. 7 (Cayuga Creek Road / 24" Southeast End)	1.0	LS	\$ 21,000.00	\$ 21,000.00	1.0	LS	\$ 21,000.00	\$ 21,000.00	\$ -
7H	Interconnection No. 8 (Cayuga Creek Road / 6" Northeast End)	1.0	LS	\$ 10,000.00	\$ 10,000.00	1.0	LS	\$ 10,000.00	\$ 10,000.00	\$ -
8A1	Service Replacement Near Side 3/4-inch to 1-inch	17.0	EA	\$ 1,650.00	\$ 28,050.00	18.0	EA	\$ 1,650.00	\$ 29,700.00	\$ 1,650.00
8B1	Service Replacement Far Side 3/4-inch to 1-inch	19.0	EA	\$ 4,075.00	\$ 77,425.00	20.0	EA	\$ 4,075.00	\$ 81,500.00	\$ 4,075.00
8C1	Furnish and Install 3/4-inch to 1-inch Additional Copper Tubing	925.0	LF	\$ 3.40	\$ 3,145.00	1000.0	LF	\$ 3.40	\$ 3,400.00	\$ 255.00
10A	Abandonment No. 1 (Cayuga Creek Road / 24" South)	1.0	LS	\$ 26,200.00	\$ 26,200.00	1.0	LS	\$ 26,200.00	\$ 26,200.00	\$ -
10B	Abandonment No. 2 (Cayuga Creek Road / 24" North)	1.0	LS	\$ 71,000.00	\$ 71,000.00	1.0	LS	\$ 71,000.00	\$ 71,000.00	\$ -
11A1	Furnish and Install Concrete Sidewalk	75.0	SY	\$ 50.00	\$ 3,750.00	75.0	SY	\$ 50.00	\$ 3,750.00	\$ -
11A2	Furnish and Install Concrete Driveway	150.0	SY	\$ 75.00	\$ 11,250.00	150.0	SY	\$ 75.00	\$ 11,250.00	\$ -
11A4	Furnish and Install Concrete Curb/Gutter	100.0	LF	\$ 75.00	\$ 7,500.00	100.0	LF	\$ 75.00	\$ 7,500.00	\$ -
11B2	Furnish and Install Asphalt Driveway	100.0	SY	\$ 75.00	\$ 7,500.00	100.0	SY	\$ 75.00	\$ 7,500.00	\$ -
11B3	Furnish and Install Asphalt Pavement - Top Course (1-1/2" depth)	1800.0	SY	\$ 25.00	\$ 45,000.00	2500.0	SY	\$ 25.00	\$ 62,500.00	\$ 17,500.00
11B4	Furnish and Install Asphalt Pavement - Binder Course (2" depth)	1800.0	SY	\$ 25.00	\$ 45,000.00	2500.0	SY	\$ 25.00	\$ 62,500.00	\$ 17,500.00
11B5	Furnish and Install Asphalt Pavement - Base Course (5-1/2" depth)	1800.0	SY	\$ 50.00	\$ 90,000.00	2000.0	SY	\$ 50.00	\$ 100,000.00	\$ 10,000.00
11C1	Landscape Restoration-Lawn	2350.0	LF	\$ 11.00	\$ 25,850.00	2350.0	LF	\$ 11.00	\$ 25,850.00	\$ -
12A	Testing and Disinfection	4165.0	LF	\$ 3.00	\$ 12,495.00	4165.0	LF	\$ 3.00	\$ 12,495.00	\$ -
13A	Extra Excavation (8 to 10 feet deep)	2100.0	LF	\$ 10.00	\$ 21,000.00	2820.0	LF	\$ 10.00	\$ 28,200.00	\$ 7,200.00
13B	Extra Excavation (10 to 12 feet deep)	100.0	LF	\$ 25.00	\$ 2,500.00	198.0	LF	\$ 25.00	\$ 4,950.00	\$ 2,450.00
13C	Furnish and Install Extra Concrete	200.0	CY	\$ 100.00	\$ 20,000.00	200.0	CY	\$ 100.00	\$ 20,000.00	\$ -
14A	Repair Crew Labor and Equipment	100.0	HR	\$ 150.00	\$ 15,000.00	100.0	HR	\$ 150.00	\$ 15,000.00	\$ -
15A	Vacuum Truck and Labor	40.0	HR	\$ 125.00	\$ 5,000.00	40.0	HR	\$ 125.00	\$ 5,000.00	\$ -
16A	Contingency Allowance	1.0	ALLOW	\$ 50,000.00	\$ 50,000.00	1.0	ALLOW	\$ 135,000.00	\$ 135,000.00	\$ 85,000.00
		TOTALS			\$ 2,399,415.00	TOTALS			\$ 2,614,417.00	\$ 215,002.00