

October 16, 2018

The City of Olmsted Falls
26100 Bagley Road
Olmsted Falls, Ohio 44138
Attn: Mayor James Graven

Re: Columbia and Cook Sanitary Sewer Project Phase 5: Bid Package No. 1 Change
Order Summary – Olmsted Falls, Ohio

Dear Mayor Graven:

The Columbia and Cook Sanitary Sewer Project Phase 5: Bid Package No. 1 is substantially complete pending punch list items. The project required additional force account work beyond the original project scope to bring the project to acceptable completion. The majority of the extra work was due to unknown or incomplete documentation of existing conditions and/or unforeseen utility conflicts. Please see the below summary:

Description	Amount
Additional asphalt repairs on Water Street – The pavement edge needed stabilizing prior to the 2018-2019 plowing season.	\$12,987.50
Additional core was required at MH W-105 due to existing conditions not showing an existing 8" storm sewer pipe	\$3,758.94
Camera existing 6" sewer to locate tie-ins and exploratory excavation on Water Street	\$4,095.60
Exploratory excavation for 25794 Water Street tie-in	\$2,520.09
Additional tree removal at 25811 Water Street for tie-in	\$744.21
Additional 12" storm sewer installed at Water and Brookside to complete tie-in.	\$7,714.25
Water main repairs on Elm Street due to breaks during sanitary sewer installation	\$1,751.52
Additional exploratory work to confirm service to 25541 Elm Street	\$2,128.44
Extra tree removal and stump grinding at 25854 Water Street for trench safety	\$2,498.02
Locate existing water taps on Elm for Columbia residents	\$4,403.75
Contaminated soil encountered on Water Street and hauled to Petro Environmental	\$15,507.72



Description	Amount
The existing water main went through the existing 18" storm sewer at Mapleway and Cranage. In lieu of the proposed 24" storm sewer, the existing 18" storm was replaced with 2-12" PVC storm pipes to maintain clearance.	\$5,603.29
Cutting and reconstructing CR105 MH for the 2-12" pipe installation at Mapleway and Cranage	\$916.20
Pavement replacement at 25600 Elm saw cut. Roadway was cut prior to design modification for 25600 Elm sanitary connection.	\$1,536.93
Total	\$66,166.46

I respectfully recommend payment in the amount of \$66,166.46 for all force account work performed as summarized above and included in Change Order No. 1. Further documentation is available upon request.

Change Order No. 2 itemizes a reconciliation of quantities in the amount of \$9,203.73. The final contract cost with all approved Change Orders is \$1,765.935.19.

Sincerely,
Chagrin Valley Engineering, Ltd.



Donald F. Sheehy, P.E., P.S.
City Engineer

Enclosures

C: Angela Mancini, Clerk of Council
Vic Nogalo, Finance Director
Terry Veloski, Assistant Finance Director
Joseph Borczuch, Service Director

CHANGE ORDER NO. 1

Date of Issuance: **9/6/2018**

Effective Date: **9/6/2018**

Owner: **City of Olmsted Falls**

Contractor: **Fabrizi Trucking & Paving Co., Inc.**

Contract:

Project: **Columbia and Cook Sanitary Sewer Project Phase 5: Bid Package No.1**

Owner's Contract No.

Engineer's Contract No.

14093.1

Engineer: **Chagrin Valley Engineering Ltd.**

You are Directed to make the following changes in the Contract Documents:

Description:

Change Order No. 1 will include all force account work required for the project to date. A pre-quoted amount for additional asphalt repairs on Water Street was agreed upon due to roadway conditions. Thirteen additional force accounts were also approved.

Reason for Change Order:

Existing conditions dictated several field changes.

Attachments (List Documents Supporting Change):

03/31/18-08/08/18 change order correspondence with Fabrizi.

CHANGE IN CONTRACT PRICE:	
Original Contract Price:	\$1,690,565.00
Net Increase (Decrease) from previous Change Orders No. <u>0</u> To <u>1</u>	\$0.00
Contract Price prior to this Change Order:	\$1,690,565.00
Net Increase (Decrease) of this Change Order:	\$66,166.46
Contract Price with all approved Change Orders:	\$1,756,731.46

CHANGE IN CONTRACT TIMES:	
Original Contract Times:	
Substantial Completion:	_____
Ready for Final Payment:	_____
Net Change from Previous Change Orders No. ___ To No. ___:	
Substantial Completion:	_____
Ready for Final Payment:	_____
Contract Times prior to this Change Order:	
Substantial Completion:	_____
Ready for Final Payment:	_____
Net increase (decrease) this Change Order:	
Substantial Completion:	_____
Ready for Final Payment:	_____
Contract Times with all approved Change Orders:	
Substantial Completion:	_____
Ready for Final Payment:	_____

APPROVED:

By: *[Signature]*
ENGINEER (Authorized Signature)

Date: **9/6/2018**

REQUESTED:

By: *[Signature]*
CONTRACTOR (Authorized Signature)

Date: **9/6/18**

CHANGE ORDER NO. 2

Date of Issuance: **10/16/2018**

Effective Date:

Owner: **City of Olmsted Falls**
 Contractor: **Fabrizi Trucking & Paving Co., Inc.**
 Contract:
 Project: **Columbia and Cook Sanitary Sewer Project Phase 5: Bid Package No.1**
 Owner's Contract No. _____ Engineer's Contract No. **14093.1**
 Engineer: **Chagrin Valley Engineering Ltd.**

You are Directed to make the following changes in the Contract Documents:

Description: **Reconciling Quantities.**

Reason for Change Order: **Project Completion.**

Attachments (List Documents Supporting Change): **See Exhibit A.**

CHANGE IN CONTRACT PRICE:
Original Contract Price: <u>\$1,690,565.00</u>
Net Increase (Decrease) from previous Change Orders No. <u>0</u> To <u>1</u> <u>\$66,166.46</u>
Contract Price prior to this Change Order: <u>\$1,756,731.46</u>
Net Increase (Decrease) of this Change Order: <u>\$9,203.73</u>
Contract Price with all approved Change Orders: <u>\$1,765,935.19</u>

CHANGE IN CONTRACT TIMES:
Original Contract Times: Substantial Completion: _____ Ready for Final Payment: _____
Net Change from Previous Change Orders No. ___ To No. ___: Substantial Completion: _____ Ready for Final Payment: _____
Contract Times prior to this Change Order: Substantial Completion: _____ Ready for Final Payment: _____
Net increase (decrease) this Change Order: Substantial Completion: _____ Ready for Final Payment: _____
Contract Times with all approved Change Orders: Substantial Completion: _____ Ready for Final Payment: _____


APPROVED:
 By: 
 ENGINEER (Authorized Signature)
 Date: **10/16/2018**

EXHIBIT A
COLUMBIA AND COOK SANITARY SEWER PROJECT PHASE 5 - BID PACKAGE NO. 1
OLMSTED FALLS, OHIO

ITEM	DESCRIPTION	UNIT	CONTRACT QUANTITY	FINAL QUANTITY	UNIT PRICE	TOTAL PRICE	AMOUNT OVER (UNDER)
1	SITE WORK	LUMP	1	1,000	\$225,000.00	\$225,000.00	\$ -
2	SANITARY MANHOLE	EACH	11	11.00	\$6,395.00	\$70,345.00	\$ -
3	SANITARY DROP MANHOLE	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
4	SANITARY MANHOLE WITH EXTERNAL DROP FOR FORCE MAIN	EACH	2	2.00	\$7,750.00	\$15,500.00	\$ -
5	SANITARY MANHOLE WITH INSIDE DROP FOR LATERALS	EACH	1	1.00	\$6,495.00	\$6,495.00	\$ -
6	RECONSTRUCT EXISTING SANITARY MANHOLE AT WATER AND BROOKSIDE	LUMP	1	1.00	\$5,440.00	\$5,440.00	\$ -
7	8" PVC SANITARY SEWER (SDR 35)	LF	5	4.00	\$100.00	\$400.00	\$ (100.00)
8	8" PVC SANITARY SEWER (SDR 26)	LF	430	432.00	\$143.00	\$61,776.00	\$ 286.00
9	10" PVC SANITARY SEWER (SDR 35)	LF	1,525	1,500.00	\$132.00	\$198,000.00	\$ (3,300.00)
10	10" PVC SANITARY SEWER (SDR 26)	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
11	12" PVC SANITARY SEWER (SDR 26)	LF	30	24.00	\$170.00	\$4,080.00	\$ (1,020.00)
12	15" PVC SANITARY SEWER (SDR 35)	LF	145	139.00	\$173.00	\$24,047.00	\$ (1,038.00)
13	15" PVC SANITARY SEWER (SDR 26)	LF	1,005	1,000.00	\$193.00	\$193,000.00	\$ (965.00)
14	18" PVC SANITARY SEWER (SDR 26)	LF	505	460.00	\$223.00	\$102,580.00	\$ (10,035.00)
15	SANITARY SEWER LATERAL	EACH	67	66.00	\$5,020.00	\$331,320.00	\$ (5,020.00)
16	SANITARY TEST TEE IN UNPAVED AREAS	EACH	57	65.00	\$145.00	\$9,425.00	\$ 1,160.00
17	SANITARY TEST TEE IN PAVED AREAS	EACH	10	1.00	\$210.00	\$210.00	\$ (1,890.00)
18	15" STEEL CASING PIPE (BORED)	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
19	4" SANITARY FORCE MAIN	LF	5		\$60.00	\$0.00	\$ (300.00)
20	6" SANITARY FORCE MAIN	LF	5		\$60.00	\$0.00	\$ (300.00)
21	REPAIR OF EXISTING WATER SERVICE CONNECTION	EACH	10		\$300.00	\$0.00	\$ (3,000.00)
22	EXCAVATION FOR PAVEMENT WIDENING	CY	40	40.00	\$30.00	\$1,200.00	\$ -
23	1-1/4" ASPHALT CONCRETE SURFACE COURSE	CY	9	9.00	\$515.00	\$4,635.00	\$ -
24	1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE	CY	12	12.00	\$490.00	\$5,880.00	\$ -
25	ODOT 304 AGGREGATE BASE	CY	20	20.00	\$70.00	\$1,400.00	\$ -
26	CONCRETE DRIVEWAY REMOVED AND REPLACED (RESIDENTIAL)	SF	1,550	1,985.50	\$7.50	\$14,891.25	\$ 3,266.25
27	CONCRETE DRIVEWAY REMOVED AND REPLACED (COMMERCIAL)	SF	995	796.75	\$8.50	\$6,772.38	\$ (1,685.13)
28	ASPHALT DRIVEWAY REMOVED AND REPLACED (RESIDENTIAL)	SF	625	780.60	\$6.50	\$5,073.90	\$ 1,011.40
29	GRAVEL DRIVEWAY REMOVED AND REPLACED	SF	1,665	2,010.50	\$1.00	\$2,010.50	\$ 345.50
30	SIDEWALK REMOVED AND REPLACED	SF	2,805	2,917.50	\$6.00	\$17,505.00	\$ 675.00
31	CURB RAMP	EACH	4	5.00	\$1,000.00	\$5,000.00	\$ 1,000.00
32	4" D.I. WATER MAIN	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
33	8" D.I. WATER MAIN	LF	440	385.00	\$67.00	\$25,795.00	\$ (3,685.00)
34	12" D.I. WATER MAIN	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
35	4" LINE VALVE AND BOX	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
36	8" LINE VALVE AND BOX	EACH	2	2.00	\$550.00	\$1,100.00	\$ -
37	12" LINE VALVE AND BOX	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
38	8"x8"x8" CUT-IN-TEE AND VALVE	EACH	1	1.00	\$9,665.00	\$9,665.00	\$ -

COLUMBIA AND COOK SANITARY SEWER PROJECT PHASE 5 - BID PACKAGE NO. 1
OLMISTED FALLS, OHIO

ITEM	DESCRIPTION	UNIT	CONTRACT QUANTITY	FINAL QUANTITY	UNIT PRICE	TOTAL PRICE	AMOUNT OVER (UNDER)
39	12"x8"x12" CUT-IN-TEE AND VALVE	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
40	WATER MAIN LOWERING	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
41	1" SERVICE CONNECTION	EACH	8	13.00	\$1,825.00	\$23,725.00	\$ 9,125.00
42	HYDRANT ASSEMBLY	EACH	1	1.00	\$4,550.00	\$4,550.00	\$ -
43	CLEVELAND WATER DEPARTMENT FEE ALLOWANCE	LUMP	1	1.35825	\$1,600.00	\$2,173.20	\$ 573.20
44	6" STORM SEWER, PVC (ASTM 3034, SDR 35)	LF	30		\$50.00	\$0.00	\$(1,500.00)
45	8" STORM SEWER, PVC (ASTM 3034, SDR 35)	LF	45		\$60.00	\$0.00	\$ -
46	12" STORM SEWER, PVC (ASTM 3034, SDR 35)	LF	1,780	1,810.00	\$68.00	\$123,080.00	\$ 2,040.00
47	15" STORM SEWER, PVC (ASTM 3034, SDR 35)	LF	4		\$50.00	\$0.00	\$(200.00)
48	18" STORM SEWER, PVC (ASTM 3034, SDR 35)	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
49	24" STORM SEWER, PVC (ASTM 3034, SDR 35)	LF	75		\$135.00	\$0.00	\$(10,125.00)
49A	24" STORM SEWER, RCP (CLASS IV)	LF	50	38.00	\$163.00	\$6,194.00	\$(1,956.00)
50	36" STORM SEWER, HDPE (AASHTO M294 TYPE S)	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
51	REMOVE EXISTING CATCH BASIN/ MANHOLE	EACH	10	15.00	\$150.00	\$2,250.00	\$ 750.00
52	STORM MANHOLE	EACH	7	10.00	\$4,810.00	\$48,100.00	\$ 14,430.00
53	SHALLOW STORM MANHOLE	EACH	2	2.00	\$2,720.00	\$5,440.00	\$ -
54	CATCH BASIN	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
55	NO. 2-2B CATCH BASIN	EACH	4	4.00	\$1,725.00	\$6,900.00	\$ -
56	NO. 2-3 CATCH BASIN	EACH	1	1.00	\$2,100.00	\$2,100.00	\$ -
57	YARD DRAIN	EACH	7	7.00	\$1,290.00	\$9,030.00	\$ -
58	REMOVE AND REPLACE EXISTING YARD DRAIN	EACH	7	7.00	\$1,290.00	\$9,030.00	\$ -
59	STORM SEWER LATERAL	EACH	18	20.00	\$3,900.00	\$78,000.00	\$ 7,800.00
60	REMOVE AND REPLACE CONCRETE HEADWALL	X	X		ITEM NOT USED	ITEM NOT USED	ITEM NOT USED
61	RECONNECT EXISTING STORM LATERAL	EACH	10	9.00	\$260.00	\$2,340.00	\$(260.00)
62	RECONNECT EXISTING STORM LATERAL WITH RISER PIPE	EACH	2	5.00	\$270.00	\$1,350.00	\$ 810.00
63	LAW ENFORCEMENT OFFICER	HR	30	340.50	\$65.00	\$22,132.50	\$ 20,182.50
64	UTILITY ALLOWANCE	LUMP	1	0.4828	\$10,000.00	\$4,828.00	\$(5,172.00)
CO #1	CHANGE ORDER FOR ADDITIONAL WORK BEYOND PROJECT SCOPE (SEE DOCUMENTATION)					\$66,166.46	
						\$1,765,935.19	\$ 9,203.73

Final Construction Cost \$ 1,765,935.19
 Original Contract \$ 1,690,565.00
 Change Order #1 \$66,166.46
 Current Revised Contract Price \$ 1,756,731.46
 Change Order #2 \$9,203.73