



# MAYOR & COUNCIL COMMUNICATION

**DATE:** December 6, 2016  
**CONSENT**  
**ITEM #** 5

**AGENDA ITEM:** Inwood Trunk Watermain Improvements – Compensating Change Order No. 2

**SUBMITTED BY:** Chad Isakson, Project Engineer

**THROUGH:** Kristina Handt, City Administrator

**REVIEWED BY:** Jack Griffin, City Engineer  
Cathy Bendel, Finance Director

**SUGGESTED ORDER OF BUSINESS (if removed from the Consent Agenda):**

- Questions from Council to Staff ..... Mayor Facilitates
- Public Input, if Appropriate.....Mayor Facilitates
- Call for Motion ..... Mayor & City Council
- Discussion ..... Mayor & City Council
- Action on Motion ..... Mayor Facilitates

**POLICY RECOMMENDER:** Engineering.

**FISCAL IMPACT:** \$4,079.86 increase to the final construction contract amount.

This change order reconciles the estimated and actual quantities installed on the project and increases the final contract amount by \$4,079.86. The final construction contract amount is \$1,418,017.17 or 0.5% over the original construction contract award amount of \$1,411,737.31.

**SUMMARY AND ACTION REQUESTED:** The City Council is respectfully requested to consider approving, *as part of the consent agenda*, Compensating Change Order No. 2 for the Inwood Trunk Watermain Improvements to reconcile the estimated and actual quantities installed on the project.

**LEGISLATIVE HISTORY/BACKGROUND INFORMATION:** Northdale Construction Company, Inc. was awarded a construction contract on March 2, 2016 to complete the Inwood Trunk Watermain Improvements. The contractor has completed the work in accordance with the contract, plans and specifications; and with approval of this change order the contract amount will be adjusted to reflect quantities actually installed as a part of the project.

The overall increase in the contract amount for this change order is \$4,079.86 as detailed on the attached itemization. An increase in the contract amount is largely due to the amount of watermain fittings actually installed as compared to estimated amount in the contract. The final construction contract amount is \$1,418,017.17.

**RECOMMENDATION:** Staff is recommending that the City Council approve, *as part of the Consent Agenda*, Compensating Change Order No. 2 for the Inwood Trunk Watermain Improvements project thereby increasing the final contract amount by \$4,079.86. If removed from the consent agenda, the recommended motion for the action is as follows:

*“Move to approve Compensating Change Order No. 2 for the Inwood Trunk Watermain Improvements, thereby increasing the final contract amount by \$4,079.86”.*

**ATTACHMENT(S):**

1. Compensating Change Order No. 2.

**CONTRACT CHANGE ORDER FORM**

**CITY OF LAKE ELMO, MINNESOTA  
INWOOD TRUNK WATERMAIN IMPROVEMENTS  
PROJECT NO. 2014.130**

**FOCUS ENGINEERING, inc.**

**CHANGE ORDER NO.** 2 **DATE:** October 25, 2016

**TO:** NORTHDALE CONSTRUCTION COMPANY, INC. 9760 71ST STREET NE ALBERTVILLE, MN 55301

This Document will become a supplement to the Contract and all provisions will apply hereto. The Contract Documents are modified as follows upon execution of this Change Order.

**CHANGE ORDER DESCRIPTION / JUSTIFICATION:**

Per the project Contract Documents the original contract amount and basis of award is established using the estimated quantities for each item of work listed in the bid schedule and multiplying them by the Contractor's corresponding unit bid price. The Contractor is paid for the actual final quantities installed on the project at the unit bid prices.

At the completion of the project, a compensating change order is prepared to revise the estimated quantities for each work item listed in the bid schedule to the actual quantities installed and the corresponding Contract Amount is revised accordingly.


This compensating change order reflects a net increase to the contract amount by \$4,079.86. This increase is due to additional ductile iron fittings needed for connections of the watermain.

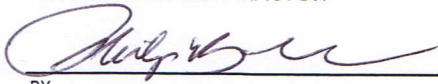
**Attachments (list documents supporting change):** None

ITEM	DESCRIPTION OF PAY ITEM	UNIT	QTY	UNIT PRICE	INCREASE/(DECREASE)
	** See attached itemization				
<b>NET CONTRACT CHANGE</b>					<b>\$4,079.86</b>

Amount of Original Contract	\$ 1,411,737.31
Sum of Additions/Deductions approved to date (CO Nos. 1 )	\$ 2,200.00
Contract Amount to date	\$ 1,413,937.31
Amount of this Change Order (ADD) (DEDUCT) (NO CHANGE)	\$ 4,079.86
Revised Contract Amount	\$ 1,418,017.17

The Contract Period for Completion will be (UNCHANGED) (~~INCREASED~~) (~~DECREASED~~) 0 days

APPROVED BY ENGINEER: FOCUS Engineering, inc.  
  
 ENGINEER  
10/25/2016  
 DATE

APPROVED BY CONTRACTOR  
  
 BY  
11/16/2015  
 DATE

APPROVED BY OWNER: CITY OF LAKE ELMO, MINNESOTA  
 \_\_\_\_\_  
 BY  
 \_\_\_\_\_  
 DATE

\_\_\_\_\_  
 BY  
 \_\_\_\_\_  
 DATE

CHANGE ORDER NO. 2

**INWOOD AVENUE TRUNK WATERMAIN IMPROVEMENTS  
CITY OF LAKE ELMO, MINNESOTA  
PROJECT NO. 2014.130**



ITEM	DESCRIPTION OF PAY ITEM	UNIT	CONTRACT			TOTAL TO DATE		COMPENSATING CHANGE ORDER NO. 2	
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	AMOUNT	NET CHANGE	AMOUNT
<b>DIVISION 1 - GENERAL</b>									
1	MOBILIZATION	LS	1	\$64,800.00	\$64,800.00	1.00	\$64,800.00	0.00	\$0.00
2	TRAFFIC CONTROL	LS	1	\$22,945.00	\$22,945.00	1.00	\$22,945.00	0.00	\$0.00
3	SILT FENCE, MACHINE SLICED	LF	600	\$4.13	\$2,478.00	200.00	\$826.00	-400.00	-\$1,652.00
4	CLEAR AND GRUB TREE	EA	6	\$750.00	\$4,500.00	0.00	\$0.00	-6.00	-\$4,500.00
5	DITCH CHECK	EA	10	\$104.50	\$1,045.00	0.00	\$0.00	-10.00	-\$1,045.00
SUBTOTAL - DIVISION 1					\$95,768.00		\$88,571.00		-\$7,197.00
<b>DIVISION 2 - WATERMAIN</b>									
1	CONNECT TO EXISTING 8" WATERMAIN	EA	1	\$7,483.75	\$7,483.75	0.00	\$0.00	-1.00	-\$7,483.75
2	CONNECT TO EXISTING 16" WATERMAIN	EA	2	\$13,187.61	\$26,375.22	2.00	\$26,375.22	0.00	\$0.00
3	HYDRANT	EA	11	\$4,431.40	\$48,745.40	10.00	\$44,314.00	-1.00	-\$4,431.40
4	HYDRANT EXTENSION	LF	6	\$1,628.80	\$9,772.80	3.50	\$5,700.80	-2.50	-\$4,072.00
5	6" GATE VALVE AND BOX	EA	10	\$2,476.08	\$24,760.80	10.00	\$24,760.80	0.00	\$0.00
6	8" GATE VALVE AND BOX	EA	3	\$2,920.05	\$8,760.15	2.00	\$5,840.10	-1.00	-\$2,920.05
7	12" GATE VALVE AND BOX	EA	2	\$4,117.60	\$8,235.20	2.00	\$8,235.20	0.00	\$0.00
8	16" BUTTERFLY VALVE AND BOX	EA	19	\$10,711.98	\$203,527.62	19.00	\$203,527.62	0.00	\$0.00
9	1" CORPORATION STOP WITH FUSIBLE SADDLE	EA	3	\$709.63	\$2,128.89	3.00	\$2,128.89	0.00	\$0.00
10	1" CURB STOP AND CURB BOX	EA	3	\$775.20	\$2,325.60	3.00	\$2,325.60	0.00	\$0.00
11	1" COPPER WATER SERVICE PIPE	LF	100	\$50.97	\$5,097.00	81.00	\$4,128.57	-19.00	-\$968.43
12	6" DUCTILE IRON WATERMAIN PIPE, CLASS 52	LF	75	\$63.87	\$4,790.25	141.00	\$9,005.67	66.00	\$4,215.42
13	8" DUCTILE IRON WATERMAIN PIPE, CLASS 52	LF	96	\$70.32	\$6,750.72	42.00	\$2,953.44	-54.00	-\$3,797.28
14	12" DUCTILE IRON WATERMAIN PIPE, CLASS 52	LF	28	\$108.70	\$3,043.60	25.75	\$2,799.03	-2.25	-\$244.57
15	16" DUCTILE IRON WATERMAIN PIPE, CLASS 52	LF	25	\$126.98	\$3,174.50	55.00	\$6,983.90	30.00	\$3,809.40
16	16" HDPE DIPS DR11 WATERMAIN, DIRECTIONAL DRILL	LF	11,015	\$74.75	\$823,371.25	10,985.00	\$821,128.75	-30.00	-\$2,242.50
17	DUCTILE IRON FITTINGS	LB	5,810	\$10.74	\$62,399.40	9,034.00	\$97,025.16	3,224.00	\$34,625.76
18	HORIZONTAL DIRECTIONAL DRILLING BORE PITS	LS	1	\$49,462.20	\$49,462.20	1.00	\$49,462.20	0.00	\$0.00
19	WATER SERVICE CONNECTION PITS	LS	1	\$7,000.00	\$7,000.00	1.00	\$7,000.00	0.00	\$0.00
20	TRIVIEW TEST STATION MARKER	EA	18	\$156.02	\$2,808.36	17.00	\$2,652.34	-1.00	-\$156.02
SUBTOTAL - DIVISION 2					\$1,310,012.71		\$1,326,347.29		\$16,334.58
<b>DIVISION 3 - STORM SEWER</b>									
1	SALVAGE CONCRETE PIPE CULVERT	LF	60	\$15.00	\$900.00	14.00	\$210.00	-46.00	-\$690.00
2	INSTALL SALVAGED PIPE CULVERT	LF	60	\$31.11	\$1,866.60	8.00	\$248.88	-52.00	-\$1,617.72
SUBTOTAL - DIVISION 3					\$2,766.60		\$458.88		-\$2,307.72
<b>DIVISION 4 - STREET CONSTRUCTION</b>									
1	SALVAGE AND REINSTALL MAILBOX	EA	2	\$165.00	\$330.00	0	\$0.00	-2.0	-\$330.00
2	SALVAGE AND REINSTALL SIGN	EA	13	\$220.00	\$2,860.00	2	\$440.00	-11.0	-\$2,420.00
SUBTOTAL - DIVISION 4					\$3,190.00		\$440.00		-\$2,750.00

**TOTALS - BASE CONTRACT** **\$1,411,737.31** **\$1,415,817.17** **\$4,079.86**

**CHANGE ORDER NO. 1**

CO1-1	HYDRANT OFFSET	EA	2	\$500.00	\$1,000.00	2	\$1,000.00	-	\$0.00
CO1-2	18" FLARED END SECTION	EA	1	\$1,200.00	\$1,200.00	1	\$1,200.00	-	\$0.00

**TOTALS - CHANGE ORDER NO. 1** **\$2,200.00** **\$2,200.00** **\$0.00**

**TOTALS - DIFFERENCE IN CONTRACT AND ACTUAL WORK COMPLETE** **\$1,413,937.31** **\$1,418,017.17** **\$4,079.86**