

December 16, 2014

To: Mayor Bemrich and City Council

From: David Fierke, City Manager

Subject: 2014 Water Main Improvements, C&S Products Loop and North 10th Street – Change Order #1, Pay Estimate #4 Sub-Final, and Statement of Substantial Completion



ACTION: For vote Monday, December 22, 2014

Brief History

During the summer of 2013, C & S Products approached the City with the desire to expand their business with the construction of a warehouse facility to the north of their existing plant on Cardinal Avenue. A 6" dead-end water main currently serves the plant. To effectively serve the expansion, a new water main needs to be extended east from Cardinal Avenue and then north to an existing water main on County Road D-14 (170th St.).

In 2007, the N. 10th St. and 14th Ave. N. area was identified as needing improvements to the streets, water main, sanitary sewer, and storm sewer systems. Over time, the Public Works Department has made improvements to the sanitary and storm sewer systems. The streets in this area were included in the 2014 Street Repair project. A 2" water main exists on N. 10th St. between 14th Ave. N. and 15th Ave. N and needs to be replaced to provide improved water flow, pressure, and fire protection to this area.

On January 27, 2014, Council approved the contract with MER Engineering for engineering services through the bid letting, with additional services to be authorized at a later date, for both projects discussed above.

MER Engineering has prepared the plans and specifications for the 2014 C & S Products and North 10th Street Water Main Improvements Project. On July 28, 2014 Council approved setting bid letting date to receive bids for the project on August 14, 2014 at 10:00 a.m. A public hearing was set to approve the plans and specifications, form of contract, and estimate of costs for August 25, 2014 at 6:00 p.m.

A bid letting was held on August 14, 2014 at 10:00am and the following responsive bid was received:

Contractor	Bid Amount
Nels Pederson Co., Inc	\$189,290.00 (Base Bid)/\$160,845.25(Bid Alternate)

The Bid Alternate changed the water main pipe material from Ductile Iron Pipe Class 52 to C900 PVC. The engineer's estimate for this project is \$197,117.25 (Base Bid)/\$155,002.25 (Bid Alternate).

On August 25, 2014, Council approved the plans specifications, form of contract and estimate of costs for this project. In addition, Council awarded the contract to Nels Pederson Co., Inc with the bid alternate, totaling the amount of \$160,845.25.

Analysis of Issue

The contractor, Nels Pederson Co. Inc., has completed the work specified in the contract documents. MER Engineering has submitted the Statement of Substantial Completion for your review and approval.

Change Order #1 includes extra work and an adjustment to as-built quantities. The change order results in a decrease to the contract in the amount of \$8,732.72, therefore changing the contract amount to \$152,112.53. The change order is further described in the attached documents.

Pay Estimate #4 Sub-Final is now due to Nels Pederson Co. Inc in the amount of \$13,049.46.

Budget Impact

The project will be funded from the Water Utility Fund.

Strategic Plan Impact

Policy D.4.2: Advanced planning for all infrastructure facilities shall be supported and routinely updated. Facilities benefited by advanced planning shall include, at minimum, schools, health care, residential areas, roads, water, sewer, storm water management, parks, recreation, and greenways.

Policy D.4.1: Recognizing that infrastructure has a powerful influence on growth and development, the availability of infrastructure (along with other factors) should determine where development will occur in the city, rather than the other way around.

Impact on Existing Plans

None.

Committee Review / Recommendation

None.

Staff Conclusions / Recommendations

It is our recommendation to accept the Statement of Substantial Completion, as well as approve Change Order #1. In addition, staff recommends approval of Pay Estimate #4, Sub-final, and payment to Nels Pederson Co., Inc in the amount of \$13,049.46.

Alternatives

None recommended.

Implementation and Accountability

The Engineering Department and MER Engineering will be responsible for overseeing this project.

Signed



Tony Trotter, P.E.
Project Engineer

Approved



David Fierke
City Manager

**CERTIFICATION OF SUBSTANTIAL COMPLETION OF WORK
AND
RECOMMENDATION OF ACCEPTANCE**

Project No. 5106

Project Description: 2014 C & S & N 10th Street Water Main Improvements

Owner: City of Fort Dodge

Contractor: Nels Pederson Co., Inc Address: 19 1st Ave SW P.O. Box 266
Badger, IA 50516

Surety: Merchant Bonding Co Address: 2100 Fleur Dr
Des Moines, IA 50321

This is to certify that the work covered by the contract dated August 25, 2014 consisting of 2014 C & S & N 10th St Water Main Improvements project has been reviewed and found to be substantially complete in accordance with the plans and specifications this 1st day December of 2014.

MER Engineering, Inc.

By Jim Kesling Date 12/16/14

The Date of Substantial Completion of the Work or designated portion thereof is the Date certified by the Engineer when construction is sufficiently complete, in accordance with the Contract Documents, so the Owner can occupy or utilize the Work or designated portion thereof for the use for which it is intended, as expressed in the Contract Documents.

This Certification does not alter the responsibility of the Contractor to complete any work remaining or correct any unsatisfactory work in accordance with the Contract Documents.

The owner accepts the Work or designated portion thereof as substantially complete and assumes full possession.

Owner City of Fort Dodge

By _____ Date _____

CHANGE OR EXTRA WORK ORDER FORM

C.O. # 1

Project Description: 2014 C & S Products and North 10th Street Water Main Improvements

TO: Nels Pederson Co. Inc.

You are hereby requested to make the following changes from the plans or do the following extra work on your contract dated August 25, 2014.

Description of changes to be made or extra work to be done:

Item A - Place Stabilization Rock

Item B - Extra Work To remove concrete around existing fitting.
2 and 5a-Deletions

Reason for ordering change or extra work:

Item A - Due to the high ground water and sand conditions.

Item B - Jack Hammered off extra concrete that was placed on existing fitting.

6a -8" PVC - Overrun due to obstructions

Settlement for cost of work to be made as follows:

ITEM	UNIT PRICE	QUANTITY	AMOUNT
A. Stabilization/Rock	\$ 24.00 Ton	82.47 Ton	\$ 1,979.28
B. Labor and extra equipment	\$2,965.00 LS	1 LS	\$ 2,965.00
2. Delete-Pavement Removal	\$ 135.00 LF	-113 LF	-\$15,255.00
5a.Delete-6" PVC Trenchless	\$ 37.00 LF	- 16 LF	-\$ 592.00
6a.8" PVC Trenchless Const.	\$ 62.00 LF	35 LF	\$ 2,170.00
		TOTAL	-\$ 8,732.72

Receipt is acknowledged of this change or extra work order and terms of settlement are hereby approved.

CONTRACTOR: Nels Pederson Co. Inc.

BY [Signature] DATE 12-16-14

ENGINEER: Mer Engineering Inc.

BY [Signature] DATE 12/16/14

OWNER: City of Fort Dodge

BY _____ DATE _____

PAY ESTIMATE **NO. 4 Sub Final**

109 Regency West Court
Fort Dodge, Iowa 50501

Project:	2014 C & S Products & N 10th Street, City Of Fort Dodge
Contractor:	Nels Pederson Co., Inc.
Original Contract Amount:	\$160,845.25
Pay Period:	October 28, 2014-December 1, 2014

MER 5106

ITEM NO.	DESCRIPTION	BID QUANTITY		UNIT PRICE BID	UNITS COMPLETED TO DATE		TOTAL EARNED TO DATE	BALANCE TO BE COMPLETED
1.	Bonds, Mobilization & Insurance	1	LS	\$20,000.00	1	LS	\$20,000.00	0%
2.	Pavement Removal and Replacement w/ 8" PCC & 4" HMA incl. Curb	170	SY	\$135.00	170	SY	\$22,950.00	0%
3.	6" DIP Water Main Class 52 (Trenched or Trenchless)	400	LF	\$52.00	NA	LF	\$0.00	0%
4.	8" DIP Water Main Class 52 (Trenched or Trenchless)	1,549	LF	\$42.00	NA	LF	\$0.00	0%
5.	6" DIP Trenchless Construction	63	LF	\$52.00	NA	LF	\$0.00	0%
6.	8" DIP Trenchless Construction	125	LF	\$76.00	NA	LF	\$0.00	0%
7.	6" Gate Valve and Box	1	EA	\$880.00	1	EA	\$880.00	0%
8.	6" Tapping Valve Assembly	2	EA	\$2,240.00	2	EA	\$4,480.00	0%
9.	8" Tapping Valve Assembly	1	EA	\$2,450.00	1	EA	\$2,450.00	0%
10.	Fire Hydrant Assembly	3	EA	\$4,290.00	3	EA	\$12,870.00	0%
11.	1" K Copper Service line (incl Trenchless)	140	LF	\$40.00	140	LF	\$5,600.00	0%
12.	1" Service Tap	5	EA	\$560.00	5	EA	\$2,800.00	0%
13.	Removal of Existing Man and Manhole	1	LS	\$1,500.00	1	LS	\$1,500.00	0%
14.	Storm Water Pollution Prevention Plan Incl. Seeding	1	LS	\$10,000.00	1	LS	\$10,000.00	0%
15.	Traffic Control	1	LS	\$3,000.00	1	LS	\$3,000.00	0%
16.	Tracer System Bimetallic	2,063	LF	\$2.00	2,063	LF	\$4,126.00	0%
	Total						\$90,656.00	
	Alternate							
3A	6" PVC C900 Water Main C900 DR 18 (Trenched or Trenchless)	400	LF	\$37.00	400	LF	\$14,800.00	0%
4A	8" PVC C900 Water Main C900 DR 18 (Trenched or Trenchless)	1,549	LF	\$29.25	1549	LF	\$45,308.25	0%
5A	6" PVC Trenchless Construction	63	LF	\$37.00	63	LF	\$2,331.00	0%
6A	8" PVC Trenchless Construction	125	LF	\$62.00	125	LF	\$7,750.00	0%
	Total with Alternates						\$70,189.25	
	Change Order No 1							
2	Pavement Removal and Replacement -Delete			\$135.00	-113	LF	(\$15,255.00)	0%
5A	6" PVC Trenchless Construction-Delete			\$37.00	-16	LF	(\$592.00)	0%
6A	8" PVC Trenchless Construction-Overage	35	LF	\$62.00	35	LF	\$2,170.00	0%
A.	Additional Stablization/ Rock Installed	82.47	Ton	\$24.00	82.47	LF	\$1,979.28	0%
B.	Additional Labor & Extra Equipment	1	LS	\$2,965.00	1	LS	\$2,965.00	0%
	Total						(\$8,732.72)	
				Total completed work and material on site				\$152,112.53
				Total additional work completed				\$0.00
				Total amount earned to date				\$152,112.53
				Less 5 % retained percentage				\$7,605.63
				Total amount due including this estimate				\$144,506.90
				Less estimate previously approved				\$131,457.44
				Amount Due This Estimate				\$13,049.46
ENGINEER'S AFFIDAVIT:				CONTRACTOR'S AFFIDAVIT:				OWNER:
I certify that to the best of my knowledge, the above account is a just and true statement of work accomplished and/or material supplied.				I certify that the items as shown herein are just and unpaid and that all work has been performed in accordance with the terms and conditions of the contract documents.				
APPROVED FOR PAYMENT:				FOR: Nels Pederson Co. Inc.				FOR: City of Fort Dodge
BY: Jim Keshmig				BY: [Signature]				BY:
DATE: 12/16/14				DATE: 12-16-14				DATE: