



CITY of NOVI CITY COUNCIL

Agenda Item M
July 28, 2008

SUBJECT: Approval of the final balancing change order and final payment in the amount of \$38,960.00 to Lawrence M. Clarke, Inc. for the Lanny's Sanitary Sewage District Relief Sewer/Force Main project, located in Sections 15 and 16, between Providence Hospital and Lanny's Road.

SUBMITTING DEPARTMENT: Engineering *R44*

CITY MANAGER APPROVAL: *[Signature]*

BACKGROUND INFORMATION:

The City's consulting engineer for this project (FTC&H) administered this contract for the construction of a force main sewer from the new Lanny's District lift station on Beck Road (near Providence Hospital), along the I-96 right-of-way, to the main sewage interceptor at Lanny's Road. Construction of the lift station and force main will alleviate sewage capacity constraints that will occur as areas east of Beck Road are developed.

FTC&H has executed and submitted the attached documents verifying the final contract payment amount that is due to the construction contractor, Lawrence M. Clarke, Inc. of Belleville, (FTC&H's Final Pay Estimate No. 6 and Balancing Change Order No. 2, attached).

The sanitary force main sewer construction work performed by the contractor was in substantial compliance with the plans and specifications, and final payment in the amount of \$38,960.00 is appropriate. In addition, the City Attorney has reviewed supporting documentation and found it to be in an acceptable form.

The original contract was approved at the March 19, 2007 City Council meeting in the amount of \$1,272,415.00. The final payment brings the total in construction expenditures on this project to \$1,311,708.62.

RECOMMENDED ACTION: Approval of the final balancing change order and final payment in the amount of \$38,960.00 to Lawrence M. Clarke, Inc. for the Lanny's Sanitary Sewage District Relief Sewer/Force Main project, located in Sections 15 and 16, between Providence Hospital and Lanny's Road.

	1	2	Y	N
Mayor Landry				
Mayor Pro Tem Capello				
Council Member Crawford				
Council Member Gatt				

	1	2	Y	N
Council Member Margolis				
Council Member Mutch				
Council Member Staudt				

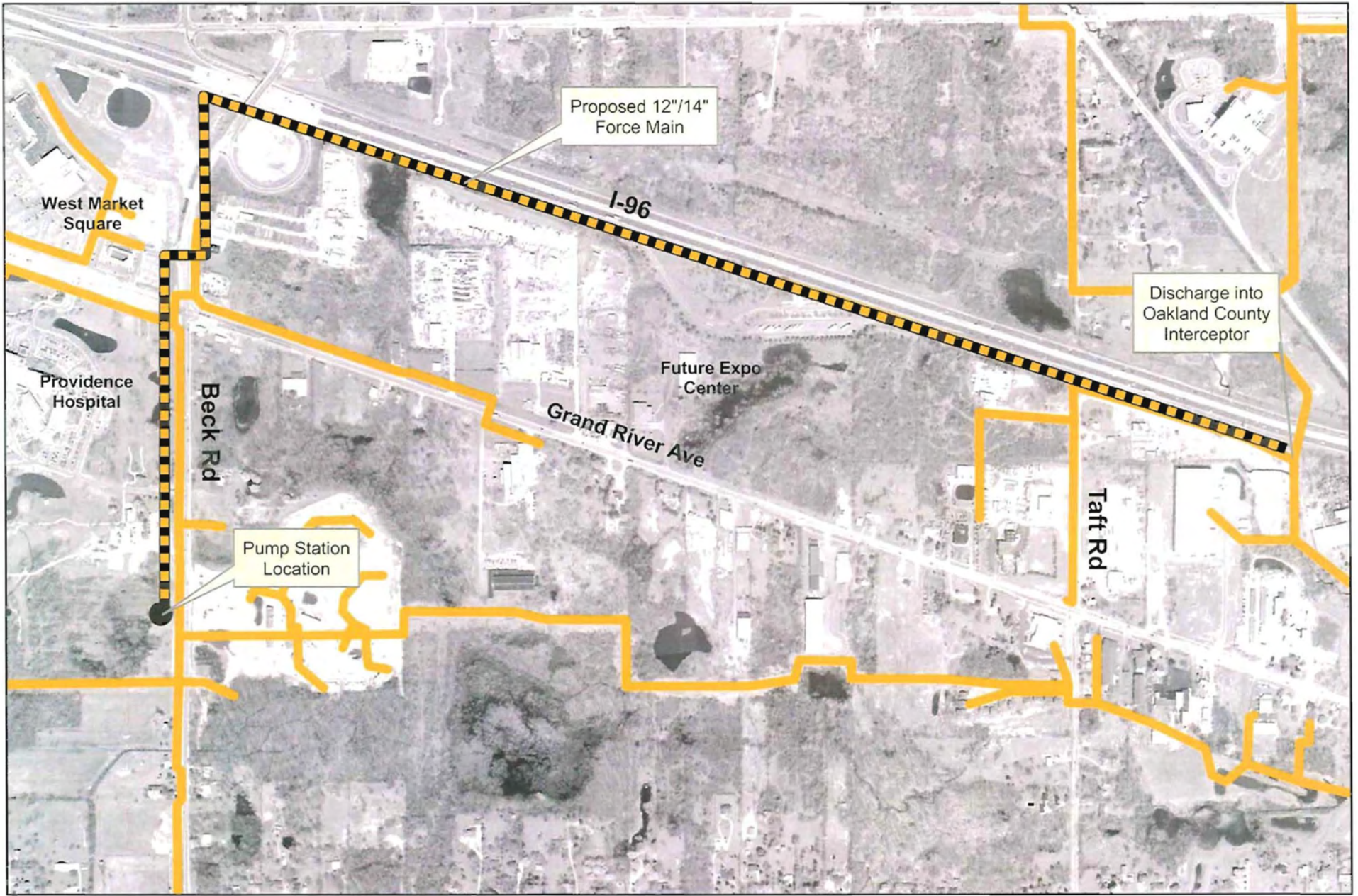


Figure 3 Proposed Force Main Route (Alternatives 1 & 1A)



Legend

- Proposed Pump Station
- Existing Sanitary Mains
- - - Proposed Sanitary Mains



Client: City of Novi
 Project: Lanny's Force Main Improvements No. 1 - G05264FM
 Contractor: Lawrence M. Clarke, Inc.

Pay Estimate No.: 6
 Period: 5/2/08 - 6/13/08
 Progress or Final: Final payment

Item No.	Item Description	Unit	Original Authorized Quantity	CM#1	CM #2	Final Authorized Quantity	Unit Price	Quantity This Estimate	Amount This Estimate	Quantity Previously Paid	Quantity Paid to Date	Total Amount Earned to Date
ORIGINAL CONTRACT ITEMS												
1	Mobilization (\$50,000 Maximum)	LS	1.0			1.0	\$50,000.00		\$ -	1.0	1.0	\$ 50,000.00
2	Audio-Visual Coverage	LS	1.0			1.0	\$15,000.00		\$ -	1.0	1.0	\$ 15,000.00
3	Remove and Relocate Tree	EA	1.0		-1.0	0.0	\$2,000.00		\$ -	-	-	\$ -
4	Remove and Salvage Signs	EA	3.0		-3.0	0.0	\$1,000.00		\$ -	-	-	\$ -
5	Gravel Access Drives	SY	600.0		-600.0	0.0	\$25.00		\$ -	-	-	\$ -
6	15-inch RCP MDOT Culverts	LF	80.0		-80.0	0.0	\$65.00		\$ -	-	-	\$ -
7	Drop Manhole	EA	1.0			1.0	\$7,300.00		\$ -	1.0	1.0	\$ 7,300.00
8	6-foot Diameter Sanitary Manhole	EA	1.0			1.0	\$6,500.00		\$ -	1.0	1.0	\$ 6,500.00
9	18-inch PVC Sewer	LF	45.0			45.0	\$250.00		\$ -	45.0	45.0	\$ 11,250.00
10	Sewer Tap, 18-inch Diameter Sewer	EA	1.0			1.0	\$1,000.00		\$ -	1.0	1.0	\$ 1,000.00
11	Force Main Connection, 12-inch	EA	1.0			1.0	\$2,000.00		\$ -	1.0	1.0	\$ 2,000.00
12	14-inch HDPE, SDR 11 Force Main Directionally Drilled	LF	10,300.0			10,300.0	\$99.00		\$ -	10,300.0	10,300.0	\$ 1,019,700.00
13	Air Release Structure, Type 1	EA	1.0			1.0	\$7,500.00		\$ -	1.0	1.0	\$ 7,500.00
14	Air Release Structure, Type 2	EA	5.0			5.0	\$15,000.00		\$ -	5.0	5.0	\$ 75,000.00
15	Pig Launch Station	EA	2.0			2.0	\$8,500.00		\$ -	2.0	2.0	\$ 17,000.00
16	Pig Retrieval Station	EA	2.0			2.0	\$8,500.00		\$ -	2.0	2.0	\$ 17,000.00
17	Soil Erosion and Sedimentation Control Measures	LS	1.0			1.0	\$6,000.00		\$ -	1.0	1.0	\$ 6,000.00
18	Permanent Erosion Control Blanket	SY	525.0			525.0	\$10.00		\$ -	525.0	525.0	\$ 5,250.00
19	MDOT Permit Allowance	LS	1.0			1.0	\$5,000.00		\$ -	1.0	1.0	\$ 5,000.00
20	Road Commission for Oakland County Permit Allowance	LS	1.0			1.0	\$1,715.00		\$ -	1.0	1.0	\$ 1,715.00
EXTRA ITEMS												
21	Reroute Force Main (Bulletin 2, Item 1)	DLR	0	16,195.6		16,195.6	\$1.00		\$ -	16,195.6	16,195.6	\$ 16,195.57
22	Temporary Concrete Barrier (Bulletin 2, Item 2)	DLR	0	8,750.0		8,750.0	\$1.00		\$ -	8,750.0	8,750.0	\$ 8,750.00
23	Temporary Concrete Barrier Ending (Bulletin 2, Item 3)	DLR	0	7,273.8		7,273.8	\$1.00		\$ -	7,273.8	7,273.8	\$ 7,273.75
24	Temporary Signs (Bulletin 2, Item 4)	DLR	0	3,314.3		3,314.3	\$1.00		\$ -	3,314.3	3,314.3	\$ 3,314.30
25	OCDC Sewer Inspection Permit	DLR	0		1,000.0		\$1.00	1,000.00	\$ 1,000.00	-	-	\$ 1,000.00
26	Pig Manhole Valve Access	DLR	0		7,000.0		\$1.00	7,000.00	\$ 7,000.00	-	-	\$ 7,000.00
27	Pig Launch Manhole Valve Change	DLR	0		12,960.0		\$1.00	12,960.00	\$ 12,960.00	-	-	\$ 12,960.00
28	Tracer Wire Material	DLR	0		8,000.0		\$1.00	8,000.00	\$ 8,000.00	-	-	\$ 8,000.00

Current Earnings: \$ 28,960.00 Total Earnings: \$ 1,311,708.62
 - Current Retainage: -\$10,000.00 -Retainage to Date: \$10,000.00
 - Current Adjustments: \$ - -Adjustments to Date: \$ -
 Current Net Estimate: \$ 38,960.00 Total Net: \$ 1,301,708.62
 Amount Due This Estimate: \$ 38,960.00

I certify that the items included on this report constitute my estimate of the work completed and due the contractor as of the period covered by this document.

Karen E. Carrago
 Ms. Karen E. Carrago, P.E. - Project Engineer

I have reviewed this estimate on behalf of Lawrence M. Clarke, Inc. and concur with the quantities presented for the period covered by this document.

Lynn L. Hayemara
 authorized signature
 Printed Name: LYNN L. HAYEMARA - V.P.

OK
 RTD
 6/26/08

Contract Summary
 Amount Previously Paid: \$1,272,748.62
 Total Paid: \$1,311,708.62
 Original Contract: \$1,272,415.00
 CM#1: \$35,533.62
 CM#2: \$3,760.00
 Total Contract Amount: \$1,311,708.62
 % of Original: 103.1%
 Percentage of Contract Completed: 100%



Contract Modification

Fishbeck, Thompson, Carr and Huber, Inc.

3/13/2008 10:25 AM

FieldManager 4.3a

Contract: _G05264FM, City of Novi, Lanny's Force Main Improvements No. 2

Cont. Mod. Number 2	Revision Number 4	Cont. Mod. Date 6/13/2008	Net Change \$3,760.00	Awarded Contract Amount \$1,272,415.00
Route				
Contract Location City of Novi				

Short Description

Add Extra Items & Deduct Unused Items

Description of Changes

It is requested that the following Extra items be added to the contract and the Original items be decreased as shown below.

Increases / Decreases

Project: G05264FM, City of Novi, Lanny's Force Main Improvements No. 2

CNST

Category: 0001, City of Novi, Lanny's Force Main Improvements No. 2

Item Description	Item Code	Prop.Ln.	Item Type	Unit	Quantity Chg.	Unit Price	Dollar Value
Remove and Relocate Tree	_5264003	0003	Original	EA	-1.000	2,000.00000	\$-2,000.00
Remove and Salvage Signs	_5264004	0004	Original	EA	-3.000	1,000.00000	\$-3,000.00
Gravel Access Drives	_5264005	0005	Original	SY	-600.000	25.00000	\$-15,000.00
15-inch RCP MDOT Culverts	_5264006	0006	Original	LF	-80.000	65.00000	\$-5,200.00

Subtotal for Category 0001: \$-25,200.00

Subtotal for Project G05264FM: \$-25,200.00



Contract Modification

Fishbeck, Thompson, Carr and Huber, Inc.

5/13/2008 10:25 AM

FieldManager 4.3a

New Items

Project: G05264FM, City of Novi, Lanny's Force Main Improvements No. 2
Category: 0001, City of Novi, Lanny's Force Main Improvements No. 2

Table with 8 columns: Item Description, Item Code, Prop.Ln., ItemType, Unit, Proposed Qty., Unit Price, Dollar Value. Row 1: OCDC Sewer Inspection, 1047060, 0031, Extra, Dlr, 1,000.000, 1.00000, \$1,000.00

Reason: This permit was required to complete the sanitary sewer forcemain, manhole and tie-in at the POE, as shown on the plans. This item has been discussed with and approved by the City of Novi.

Table with 8 columns: Item Description, Item Code, Prop.Ln., ItemType, Unit, Proposed Qty., Unit Price, Dollar Value. Row 1: Pig Manhole, Valve Access, 1047060, 0032, Extra, Dlr, 7,000.000, 1.00000, \$7,000.00

Reason: It is requested by the City that access valves boxes be core drilled into the top slab of four Pig Manholes for better access to the valves. This item covers materials and labor to core drill the access holes and place valve box in four structures for \$1,750 at each location. This item has been discussed with and approved by the City of Novi.

Table with 8 columns: Item Description, Item Code, Prop.Ln., ItemType, Unit, Proposed Qty., Unit Price, Dollar Value. Row 1: Pig Launch Manhole, Valve Change, 1047060, 0033, Extra, Dlr, 12,960.000, 1.00000, \$12,960.00

Reason: It is requested by the City that the plug valves be switched with Gate Valves at the two Pig Launch Manholes for better accessibility in the future during pig launching. This item covers materials and labor to switch the valves in two structures for \$6,480 at each location. This item has been discussed with and approved by the City of Novi.

Table with 8 columns: Item Description, Item Code, Prop.Ln., ItemType, Unit, Proposed Qty., Unit Price, Dollar Value. Row 1: Tracer Wire Material, 1047060, 0034, Extra, Dlr, 8,000.000, 1.00000, \$8,000.00

Reason: It is requested by the City that double stranded 12 gauge copper tracer wire be installed along the force main. This item covers materials of \$0.80/ft (plus sales tax and \$250 shipping cost) for the length of 10,300 linear feet of force main for a total of \$8,984.40. This item also includes a credit of \$984.40 (\$0.09/LFT plus sales tax) for the specified single strand 12 gauge copper wire. This item has been discussed with and approved by the City of Novi.

Subtotal for Category 0001: \$28,960.00

Subtotal for Project G05264FM: \$28,960.00

Signature and date lines for Prime Contractor (Lawrence M. Clarke, Inc.), City of Novi, and Project Engineer (Ms. Karen E. Carnago, PE - FTC&H). Includes handwritten signatures and dates like 6/13/08 and 6/26/08.