

cityofnovi.org

# CITY of NOVI CITY COUNCIL

**Agenda Item K**  
**August 25, 2008**

**SUBJECT:** Approval of a contract amendment to FTC&H for additional construction engineering services for the Country Place & Stonehenge Sanitary Sewage Lift Station project in the amount of \$33,160.50.

**SUBMITTING DEPARTMENT:** Engineering *BA*

**CITY MANAGER APPROVAL:** *[Signature]*

<b>EXPENDITURE REQUIRED</b>	<b>\$33,160.50 (From Water &amp; Sewer Fund)</b>
<b>AMOUNT INCLUDED IN CIP</b>	<b>\$563,000</b>
<b>ADDITIONAL AMOUNT REQUIRED</b>	<b>\$33,160.50</b>
<b>LINE ITEM NUMBER</b>	<b>592-592.00-159.800</b>

**BACKGROUND INFORMATION:**

Fishbeck, Thompson, Carr & Huber (FTC&H) was retained to provide design and construction engineering services for the Country Place & Stonehenge Sanitary Sewage Lift Station project. The scope of the project at the time of engineering award in spring 2006 consisted of approximately \$190,000 of construction, but once the project was designed and during the course of construction, costs increased to over \$500,000. This was primarily because extensive landscaping and major items of equipment were added to the project's scope. Major additional equipment added to each station included natural gas powered generators as well as enhanced instrumentation and control gear. The total construction price paid to Man Con, Inc. was \$521,946.96.

For construction engineering services, FTC&H's fee is based on a fixed 9.99% of construction. FTC&H was initially awarded a fee of \$18,982 (9.99% of \$190,000). Based on the final construction price paid to the construction contractor, FTC&H's construction engineering fee should be adjusted to \$52,142.50 (9.99% of \$521,946.96), or an increase of \$33,160.50.

The increase in the amount of construction directly impacted the level of effort FTC&H expended performing construction phase engineering services. Therefore, FTCH's fee increase request has merit and is recommended for approval.

**RECOMMENDED ACTION:** Approval of a contract amendment to FTC&H for additional construction engineering services for the Country Place & Stonehenge Sanitary Sewage Lift Station project in the amount of \$33,160.50.

	1	2	Y	N
<b>Mayor Landry</b>				
<b>Mayor Pro Tem Capello</b>				
<b>Council Member Crawford</b>				
<b>Council Member Gatt</b>				

	1	2	Y	N
<b>Council Member Margolis</b>				
<b>Council Member Mutch</b>				
<b>Council Member Staudt</b>				



November 14, 2007  
Project No. G06202CI

Mr. Robert Hayes, P.E.  
City Engineer  
City of Novi  
45175 West Ten Mile Road  
Novi, MI 48375

Re: Country Place and Stonehenge Sanitary Sewer Pump Station  
Construction Engineering Services  
P.O. No. 73550  
GL# 592-000.00-159.800

1515 Arboretum Dr., SE  
Grand Rapids, MI  
49546  
ph: 616.575.3824  
fax: 616.575.8155  
www.ftch.com

Dear Mr. Hayes:

This letter is to request an increase to our approved budget for the referenced project. Fishbeck, Thompson, Carr & Huber, Inc.'s (FTC&H) contract with the City of Novi (City) stated that the construction engineering fees shall be based upon a percentage of the construction cost. P.O. No. 73550 included an estimated construction engineering fee of \$18,982 based on 9.99 percent of an estimated construction cost in the proposal of \$190,000. The final construction cost (the final contract modification requires signatures) is \$521,384.46.

FTC&H is requesting that our construction engineering fee be increased to 9.99 percent of \$521,384.46 which equals \$52,086.31. This increase would be consistent with how our agreement with the City is structured.

If you have any questions or comments relative to this matter, please contact me at (616) 464-3944. Thanks you for your consideration in this matter.

Sincerely,

Stephen C. Nichols, P.E.

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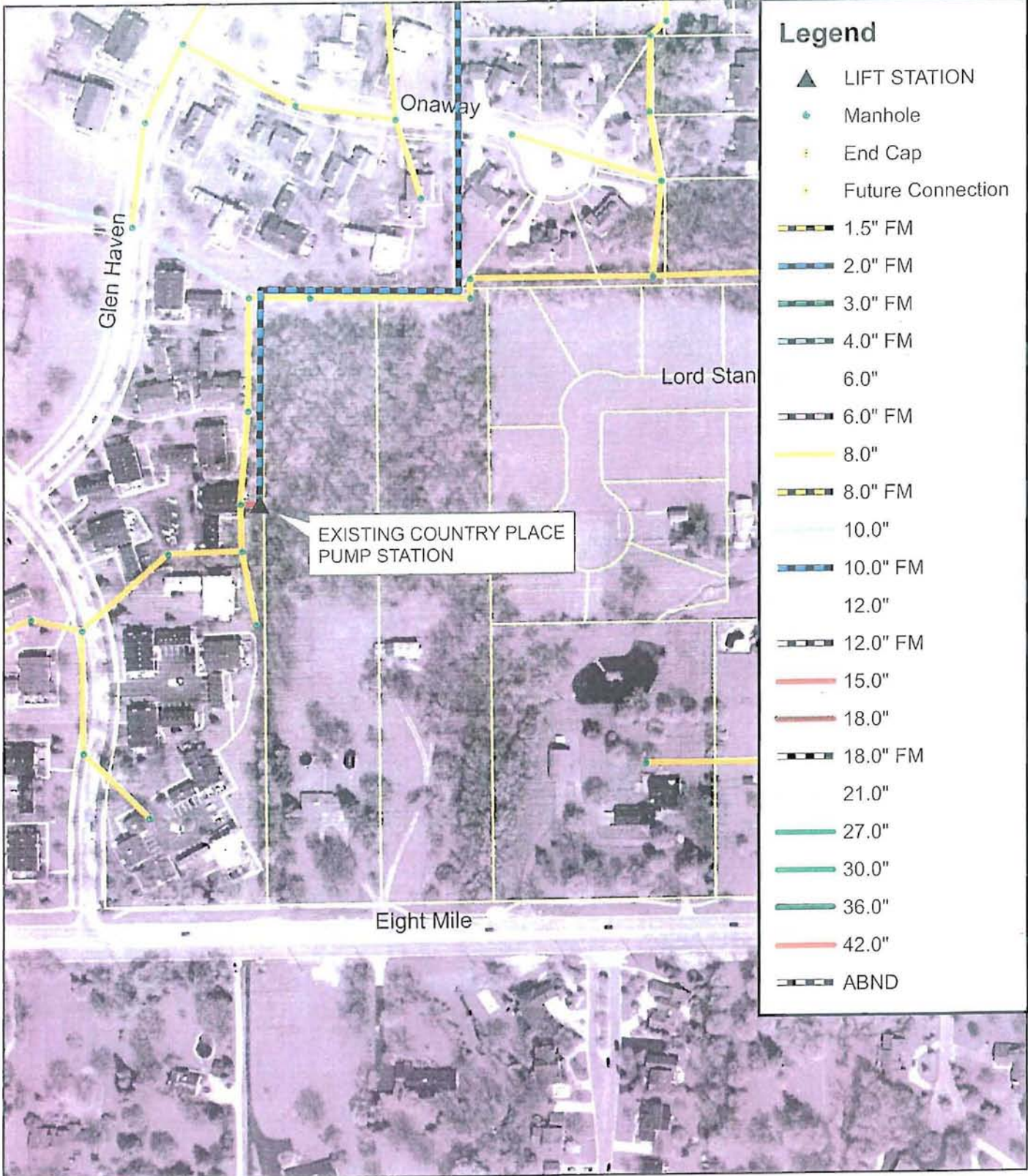
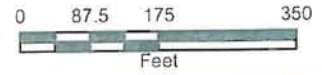
By hand delivery

cc: Mr. Thomas L. Gray II, P.E. - FTC&H  
Ms. Karen E. Carnago, P.E. - FTC&H  
Mr. David P. Eno, P.E. - FTC&H





# Country Place Pump Station Location Map



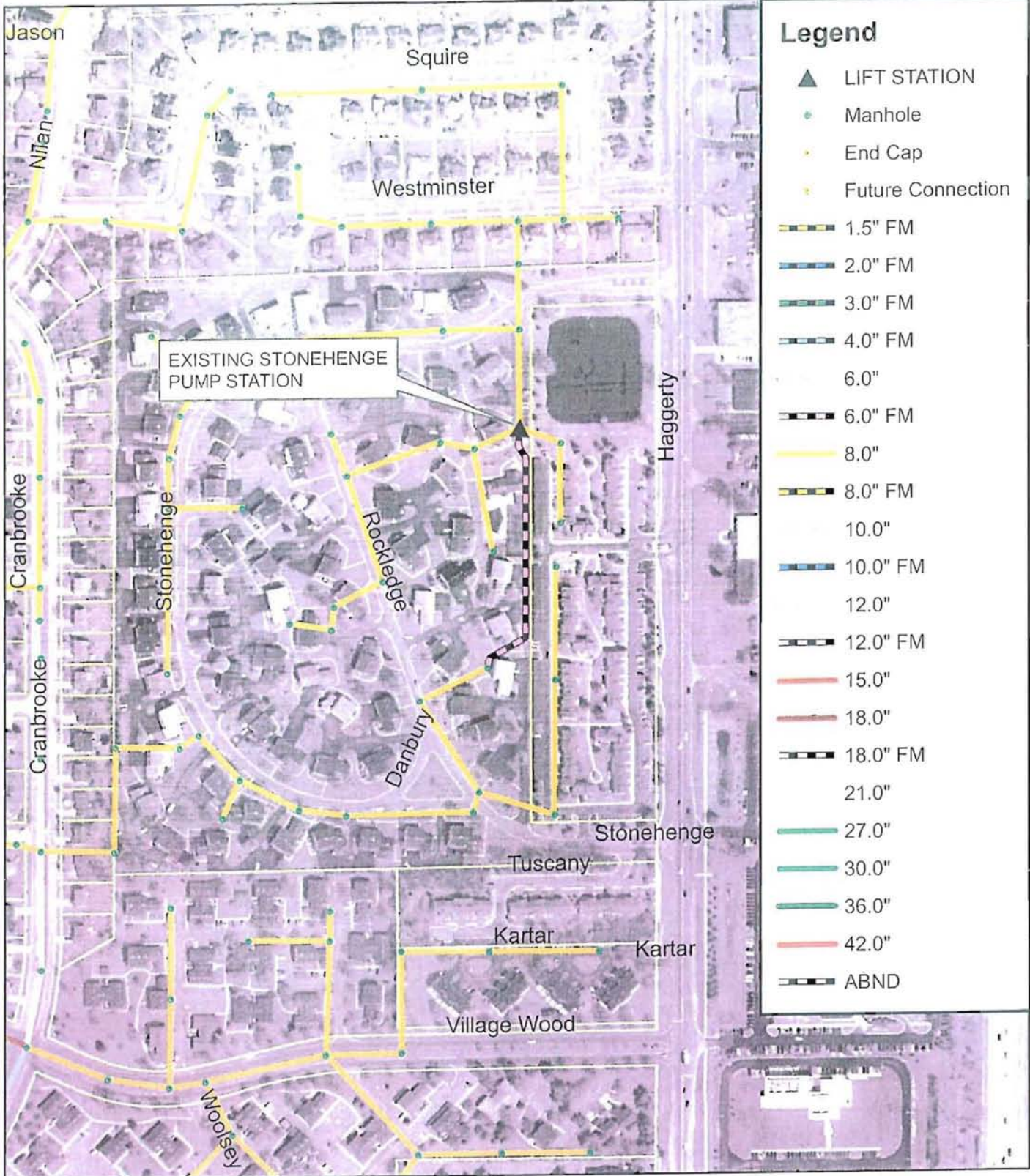
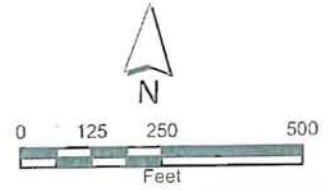
## Legend

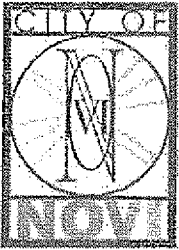
- ▲ LIFT STATION
- Manhole
- ⊠ End Cap
- ⊠ Future Connection
- 1.5" FM
- 2.0" FM
- 3.0" FM
- 4.0" FM
- 6.0"
- 6.0" FM
- 8.0"
- 8.0" FM
- 10.0"
- 10.0" FM
- 12.0"
- 12.0" FM
- 15.0"
- 18.0"
- 18.0" FM
- 21.0"
- 27.0"
- 30.0"
- 36.0"
- 42.0"
- ABND





# Stonehenge Pump Station Location Map





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# CITY of NOVI CITY COUNCIL

**Agenda Item G**  
**January 22, 2008**

**SUBJECT:** Approval of the final balancing change order and final payment to Man-Con Michigan, Inc. for the Country Place and Stonehenge Pump Station upgrade project in the amount of \$49,913.69.

**SUBMITTING DEPARTMENT:** Engineering *RZ*

**CITY MANAGER APPROVAL** *[Signature]*

**BACKGROUND INFORMATION:**

The City's consulting engineer for this project (Fishbeck, Thompson, Carr & Huber) administered the construction contract for upgrading two sanitary sewage lift stations located at the Country Place and Stonehenge condominium sites. Fishbeck reports that the construct contract with Man Con Michigan, Inc. has been completed and is now ready for final payment to Man Con. Accordingly, Fishbeck has executed and submitted the attached documents verifying the final contract payment amount that is due to the construction contractor (Fishbeck's Final Pay Estimate No. 6 and Balancing Change Order No. 2, attached).

The work performed by the contractor has been in substantial compliance with the plans and specifications, and final payment in the amount of \$49,913.69 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 July 24, 2006 City Council meeting in the amount of \$576,000.00. The final payment brings the total in construction expenditures on this project to \$521,946.00.

The primary rehabilitation work completed at each site included:

- Modernizing each station by replacing the existing drywell pumps with submersible pumps.
- Replacing corroded and outdated appurtenances and controls.
- Installing emergency bypass connections.
- Adding uninterruptible power supplies (permanent generators powered by natural gas for noise attenuation).

**RECOMMENDED ACTION:** Approval of the final balancing change order and final payment to Man-Con Michigan, Inc. for the Country Place and Stonehenge Pump Station upgrade project in the amount of \$49,913.69.

	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				