



# CITY of NOVI CITY COUNCIL

Agenda Item H  
June 23, 2008

**SUBJECT:** Approval of a contract amendment to Fishbeck, Thompson, Carr & Huber for additional construction engineering services for the Greenwood Oaks Sanitary Sewer Extension and Lift Station Abandonment project in the amount of \$8,382.80.

**SUBMITTING DEPARTMENT:** Engineering *RH*

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

<b>EXPENDITURE REQUIRED</b>	<b>\$8,382.80 (From Water &amp; Sewer Fund)</b>
<b>AMOUNT INCLUDED IN CIP</b>	<b>\$300,000</b>
<b>ADDITIONAL AMOUNT REQUIRED</b>	<b>\$8,382.80</b>
<b>LINE ITEM NUMBER</b>	<b>592-592-160.610</b>

## BACKGROUND INFORMATION:

Fishbeck, Thompson, Carr & Huber (FTC&H) was retained to provide design and construction engineering services for the Greenwood Oaks Sanitary Sewer Extension and Lift Station abandonment project. The scope of the project at the time of engineering award in spring 2006 consisted of approximately \$175,000 of construction, but once the project was designed, the estimate for construction increased to roughly \$250,000, primarily due to poor soil conditions and extensive dewatering that were required on the project. The final construction price paid to In-Line Construction was \$247,127.85 (refer to October 22, 2007 motion sheet describing the final payment made to In-Line Construction).

For construction engineering services, FTC&H's fee is based on a fixed 6.1% of construction. FTC&H was initially awarded a fee of \$10,675 (6.1% of \$175,000). Based on the final construction price paid to the construction contractor, FTC&H's construction engineering fee should be adjusted to \$15,074.80 (6.1% of \$247,127.85), or an increase of \$4,399.80.

FTC&H expended six additional days of inspection because of construction contractor inefficiency. Liquidated damages were withheld from In-Line's final payment in the amount of \$7,200, and FTC&H has requested \$1,237.50 of this amount. In addition, some items that FTC&H completed outside of the construction contract that required extra inspection services totaling \$2,745.50 included: a sidewalk segment on the east side of Beck Road to correct a grade issue between the ReMax and Vision Spa parcels, and a sidewalk segment on the north side of Eleven Mile Road east of Beck. (May 17, 2008 e-mail message from Tom Gray of FTC&H, attached).

To summarize FTC&H's fee increase request:

- Additional construction engineering due to increased scope: \$4,399.80
  - Additional inspection time on site due to contractor inefficiency: \$1,237.50
  - Additional inspection of sidewalks outside project scope: \$2,745.50
- Total Amount Requested: \$8,382.80

**RECOMMENDED ACTION:** Approval of a contract amendment to Fishbeck, Thompson, Carr & Huber for additional construction engineering services for the Greenwood Oaks Sanitary Sewer Extension and Lift Station Abandonment project in the amount of \$8,382.80.

	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				

**Hayes, Rob**

---

**From:** Gray, Thomas L. [tgray@FTCH.com]  
**Sent:** Saturday, May 17, 2008 10:00 AM  
**To:** Hayes, Rob  
**Cc:** Nichols, Steve; Carnago, Karen  
**Subject:** Greenwood Oaks Budget Increase

Rob,

You requested supporting documentation for the additional \$6,496 fee requested for the Greenwood Oaks Sewer project. Extra work was performed by FTC&H during this project at the request of the City of Novi. The following is a summary of our request for the fee increase for extra work:

- FTC&H cost incurred between 6/01/07 and 6/15/07 (during extension of time #2 (see Contract Modification #2) and time liquidated damages were assessed.) = \$1,237.50
- FTC&H cost incurred with additional sidewalk work on Beck Road at Remax and Vision Spa added to the project at the request of the City = \$1,846.50
- FTC&H cost incurred with additional sidewalk work at 46450 11 Mile Road (residential property) added to the project at the request of the City = \$899

Total requested fee increase for extra work = \$3,983.00

The remainder of the \$6,496 requested previously was determined to be FTC&H's responsibility. A portion of those charges were related to the issues with the 11 Mile Road Pedestrian Structure and should not have been billed.

The following is a summary of FTC&H's requested CE Budget:

Original P.O. Amount = \$10,675.00  
Previously requested CE Fee Adjustment to 6.1% of final construction cost = \$ 4,399.80  
Requested Fee Adjustment for Extra Work = \$ 3,983.00  
**FINAL Requested CE Budget = \$19,057.80**

Please call if you have any questions or concerns. Thanks.

Tom

**Thomas L. Gray II, P.E.**

Fishbeck, Thompson, Carr & Huber, Inc.  
39255 Country Club Drive, Suite B-25  
Farmington Hills, MI 48331  
T 248-324-2133 F 248-324-0930  
tgray@ftch.com  
[www.ftch.com](http://www.ftch.com)

6/16/2008