



CITY of NOVI CITY COUNCIL

Agenda Item F
October 24, 2016

SUBJECT: Approval to award an amendment to the engineering services agreement with URS Corporation (AECOM) for construction engineering services for the Eight Mile Water Main (Club Lane to Turnberry) project in the amount of \$18,609.

SUBMITTING DEPARTMENT: Department of Public Services, Water and Sewer Division *ELC* *74*

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$ 18,609
AMOUNT BUDGETED	\$ 252,177
LINE ITEM NUMBER	592-592.00-976.012

BACKGROUND INFORMATION:

This project involves the extension of a 12-inch water main approximately 1,200 feet from the existing 8-inch main at 8 Mile Road and Club Lane to the east to the existing 12-inch water main along the frontage of the Turnberry Estates subdivision. This project was recommended as part of the 2014 Water System Master Plan, and would improve the redundancy for the residential properties in the area that are currently only served by a single water main. Currently, if the water main fails, there would be no way to back-feed those residential areas, meaning they would not have water service until the failure is addressed.

The construction phase engineering fees are determined using two components: 1) the contract administration fee, which is determined using the fee percentage in Exhibit B of the Agreement For Professional Engineering Services for Public Projects, and 2) the construction inspection fee determined using a cost per inspection (crew) day from Exhibit B of the consultant's agreement that is then multiplied by the number of days of inspection specified by the contractor. The construction phase fees for this project include a contract administration fee of \$13,489 (7.0% of the \$192,704 construction bid) and an inspection fee of \$5,120 (\$640 per crew day, multiplied by the 8 days provided in the contractor's bid) for a total fee of \$18,609.

The construction contract award is proposed for consideration elsewhere on this agenda. It is anticipated that this project will be substantially completed this fall with final completion and restoration in spring 2017.

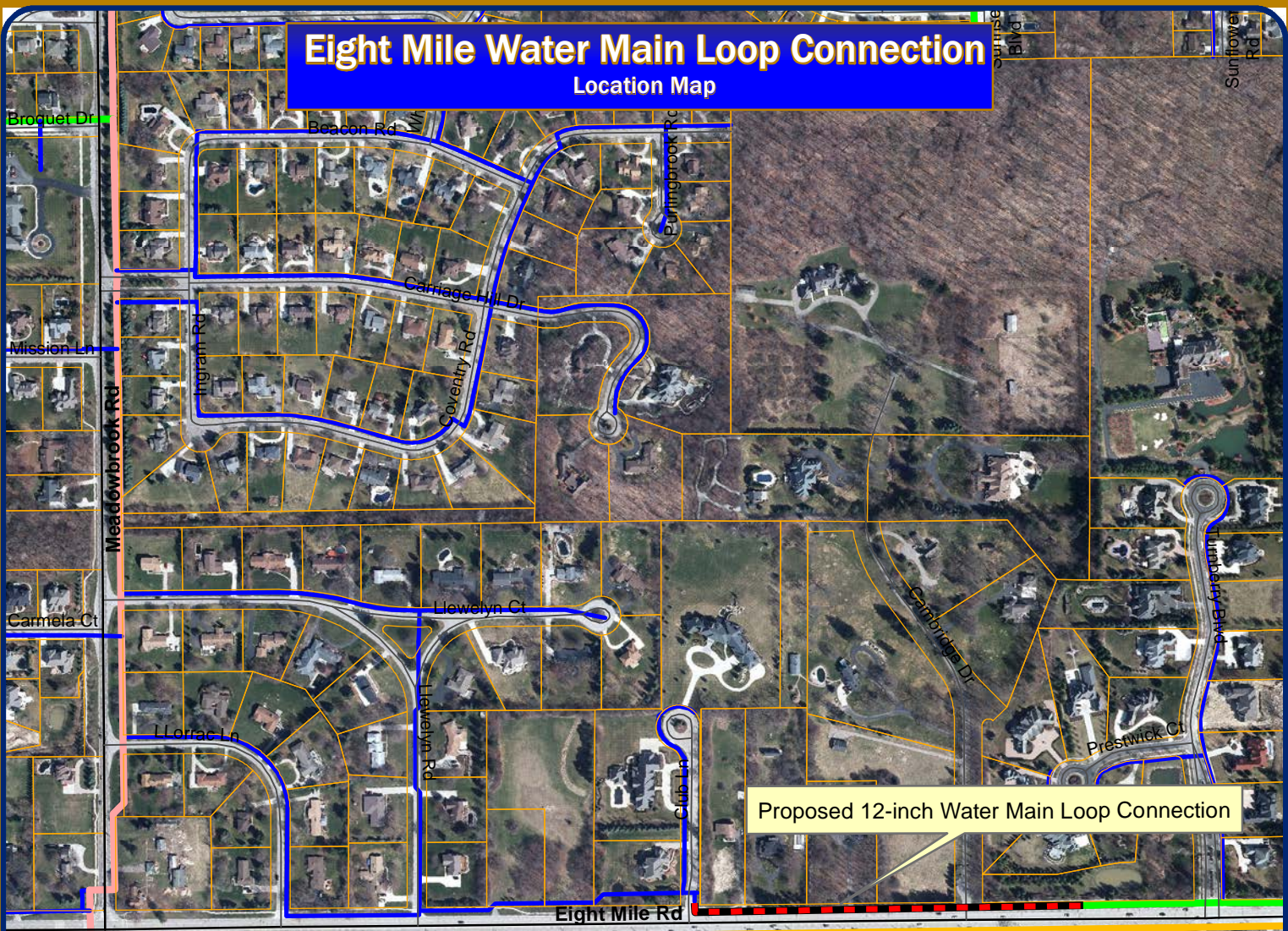
RECOMMENDED ACTION: Approval to award an amendment to the engineering services agreement with URS Corporation (AECOM) for construction engineering services for the Eight Mile Water Main (Club Lane to Turnberry) project in the amount of \$18,609.

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Burke				
Council Member Casey				

	1	2	Y	N
Council Member Markham				
Council Member Mutch				
Council Member Wrobel				

Eight Mile Water Main Loop Connection

Location Map



Map Author: Croy
 Date: 1/5/16
 Project: 8 Mile WM Loop
 Version #: v1.0

Amended By:
 Date:
 Department:

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

Map Legend

- 8-inch
- 12-inch
- 20-inch
- 30-inch



1 inch = 500 feet



City of Novi
 Engineering Division
 Department of Public Services
 26300 Lee BeGole Drive
 Novi, MI 48375
 cityofnovi.org

**FIRST AMENDMENT TO THE
SUPPLEMENTAL PROFESSIONAL ENGINEERING SERVICES AGREEMENT**

**EIGHT MILE WATER MAIN EXTENSION
CLUB LANE TO TURNBERRY**

First Amended Agreement between the City of Novi, 45175 W. Ten Mile Road, Novi, MI 48375-3024, hereafter, “City,” and URS Corporation – Great Lakes., whose address is 27777 Franklin Road, Suite 2000, Southfield, MI 48034, hereafter, “Consultant.” relating to modifications of the fee basis for engineering services. The following sections of the Supplemental Professional Engineering Services Agreement, as made and entered into on April 4, 2016 shall be amended as follows:

Section 2. Payment for Professional Engineering Services, The following Paragraphs shall be amended as follows:

1. Basic Fee.
 - a. *Unchanged*
 - b. Delete 1.b. in its entirety and replace with the following language:
Construction Phase Services: The Consultant shall complete the construction phase services as described herein according to the fee schedule as described below:
 - i. Contract Administration: The Consultant shall complete Contract Administration services for a lump sum fee of \$13,489 which is 7.0% of the awarded construction cost (\$192,704) as indicated on the Design and Construction Engineering Fee Curve.
 - ii. Construction Inspection: The Consultant shall complete Construction Inspection services for \$640 per crew day as described in the request for proposals. “Crew days” shall be defined by the construction contract documents as an 8 hour day. Crew days shall be billed in 4 hour increments rounded to the next half day, therefore a 10 hour day shall be 1.5 crew days, a 3 hour day is 0.5 crew days, a 6 hour day shall be 1.0 crew days. The minimum crew day charged for a no-show by the contractor shall be 2 hours (0.25 crew days) which is reflective of the actual cost to the Consultant for traveling to the site and traveling back to the office. There will be no payment to the consultant for extra crew days that were not charged to the contractor. The Consultant acknowledges that intent of using crew days for inspection services is to provide a method for the consultant to recoup costs associated with slow progress by the contractor.
2. *Unchanged*

Except as specifically set forth in this First Amendment, the Supplemental Professional Engineering Services Agreement remains in full force and effect.

WITNESSES

URS Corporation—Great Lakes

By:

Its:

The foregoing _____ was acknowledged before me this ____ day of _____,
20____, by _____ on behalf of _____.

Notary Public

_____ County, Michigan

My Commission Expires: _____

WITNESSES

CITY OF NOVI

By: Robert J. Gatt

Its: Mayor

The foregoing _____ was acknowledged before me this ____ day of _____,
20____, by _____ on behalf of the City of Novi.

Notary Public

Oakland County, Michigan

My Commission Expires: _____