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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MARCH 23, 2015
FROM:	JOHN BRAAM, P. ENG. MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	APPOINTMENT OF CONSULTING ENGINEER FOR DETAILED DESIGN AND CONTRACT ADMINISTRATION FOR THE CONSTRUCTION OF THE FOX HOLLOW SWM FACILITY NO. 3 (ES3020-FH3)

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to appointment of a consultant for detailed design and contract administration associated with the construction of the Fox Hollow No. 3 SWM Facility:

- a) AMEC Foster Wheeler Environment & Infrastructure, **BE APPOINTED** Consulting Engineers to complete the Detailed Design, Inspection, and General Construction Administration, including geotechnical, the monitoring of potential water wells, the post-construction monitoring in the total amount of \$177,260.30 (plus a further \$159,344.00 for contingency, provisional items and allowances), excluding HST; in accordance with Section 15.2(d) of the Procurement of Goods and Services Policy;
- b) the financing for the project **BE APPROVED** in accordance with the "Sources of Financing Report" attached hereto as Appendix "A";
- c) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this work;
- d) the approvals given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract with the consultant for the work; and
- e) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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CSC – August 26, 2013 - Statement of Development Charge Reserve Fund Activity – City Services Reserve Funds for the 2013 Year

CWC – November 12, 2012 – Fox Hollow Development Area Stormwater Management Facilities Nos. 1 and 3

CWC – June 19, 2012 – Phasing of Stormwater Management Facilities

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BACKGROUND

Purpose

This report recommends the appointment of AMEC Foster Wheeler Environment & Infrastructure to carry out detailed design, inspection, contract administration, post construction monitoring, and engineering services necessary to complete and construct the Fox Hollow Development Area SWM Facility No. 3 (attached: Appendix "B" Location Map).

Context

The Fox Hollow Community Area is located within the "Medway Creek Subwatershed". This area of approximately 365 hectares is bounded by Sunningdale Road to the north, Wonderland Road to the east, Fanshawe Park Road to the south and Hyde Park Road to the west. In addition, some external lands north of Sunningdale Road are a part of this catchment area.

In May 2010, the City engaged Stantec Consulting Ltd. for the functional and detailed design of stormwater servicing and sanitary servicing works for the Fox Hollow development area in accordance with the addendum to the Fox Hollow Development Area Municipal Class Environmental Assessment (EA Addendum) for Storm/Drainage, SWM and Sanitary Servicing works finalized in July 2010.

Construction of the Fox Hollow Development Area SWM Facility No. 3 will be the fourth municipally built component of the Fox Hollow Community Area SWM System and will allow for approximately 146.3 ha of land to be developed. This will allow for the development of approximately 1204 units (561 single family and 643 medium density units). Storm flows from these areas will be captured by the SWM Facility and conveyed by a channel to the Heard Drain, providing water quality, erosion, and peak flow attenuation to protect the downstream Medway Creek system.

DISCUSSION

Three consulting engineering firms were requested to submit proposals to carry out the detailed design and contract administration associated with the inspection, construction, post construction monitoring, and engineering services for the Fox Hollow No. 3 SWM Facility and conveyance channel. The three consulting firms asked to submit have knowledge of the area and development in the area as well as experience with SWM facility design and construction.

In the development of the Request for Proposal document all possible scenarios that could lead to consulting fee cost overruns were considered. In order to get the best price possible the consulting fees related to these items were included as provisional items and allowances over and above the base contract amount. These additional items have been included in the contract at the competitive bidding phase in order to provide the best price possible. These items include:

- A 10% overall project contingency,
- Provisional items including an amendment to the Environmental Compliance Approval that may be required by the Ministry of Environment and Climate Change, detailed archaeological investigations that could be triggered if artifacts

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are found onsite, extensive engagement with First Nations if requested, and additional survey work if required.

- Allowances are included for hydrological and geotechnical investigations and monitoring in relation to the construction of the facility that may be required by the Ministry of Environment and Climate Change.

Any unutilized budget related to the project contingency, provisional items and allowances will be released at the conclusion of the project.

Based on the City of London's Consultant Selection Process, it is the opinion of the staff that AMEC Foster Wheeler has provided the best value proposal in accordance with the evaluation process outlined in the Request for Proposal document.

In accordance with Section 15.2(d) of the Procurement of Goods and Services Policy, Civic Administration is recommending that AMEC Foster Wheeler be authorized to carry out the design and engineering services to complete this project at an estimated cost of \$177,260.30 (plus up to a further \$159,344.00 for contingency, provisional items, and allowances), plus HST.

The remaining budget for the construction of the Fox Hollow No. 3 (SWM facility, conveyance channel, agreed upon off-site works), is \$3.9 M excluding HST. A 2009 agreement between the City of London and the area developers established various commitments related to the Fox Hollow Area stormwater management projects. Obligations requiring the City to undertake work on extrnal lands were outlined in this agreement and these commitments will increase the overall cost of the Fox Hollow SWMF No. 3 construction costs. An updated estimate of the cost of the facility and the external works will be provided as part of the detailed design. If the resulting tender value is less than three (3) million dollars the project will be awarded under the City's Administrative Approval process in accordance with the City's Procurement of Goods and Services Policy.

CONCLUSIONS

AMEC Foster Wheeler Environment & Infrastructure has demonstrated an understanding of the City requirements for this project and has extensive knowledge in projects of this nature. It is recommended that the engineering fee of \$177,260.30 (plus up to a further \$159,344.00 for contingency, provisional items, and allowances), excluding H.S.T. to carry out the detailed design, and construction administration associated with the construction works for the Fox Hollow SWMF 3. This also includes inspection and general construction administration, including geotechnical, monitoring of any temporary water wells, the post-construction monitoring, and related engineering services for the project.

This document has been prepared by Chris McIntosh, P.Eng., Environmental Services Engineer within the Stormwater Management Unit.

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SUBMITTED BY:	REVIEWED AND CONCURRED BY:
SCOTT MATHERS, MPA, P.ENG. MANAGER OF STORMWATER MANAGEMENT UNIT	EDWARD SOLDI, P.ENG. DIRECTOR, ROADS AND TRANSPORTATION
RECOMMENDED BY:	
JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER	

March 24, 2015

Attach: Appendix "A" – Sources of Financing
Appendix "B" – Location Map