

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON NOVEMBER 29, 2016
FROM:	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	APPOINTMENT OF CONSULTING ENGINEER FOR CONTRACT ADMINISTRATION OF THE FOX HOLLOW SWM FACILITY NO. 3 (ES3020-FH3) AND TRUNK SANITARY SEWER (ES5236-16)

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 to undertake the contract administration, site supervision, and engineering associated with the construction of the Fox Hollow SWM Facility No. 3 and trunk sanitary sewer:

- a) Stantec Consulting Ltd. **BE APPOINTED** to carry out contract administration of the Fox Hollow SWM Facility No. 3 pre-grading, in the total amount of \$149,868.40, in accordance with the estimate on file, based upon the Fee Guideline for Professional Engineering Services, recommended by the Ontario Society of Professional Engineers; and in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy;
- b) Stantec Consulting Ltd. **BE APPOINTED** to carry out contract administration of the Fox Hollow SWM Facility No. 3 and trunk sanitary sewer, in the total amount of \$228,462.85, in accordance with the estimate on file, based upon the Fee Guideline for Professional Engineering Services, recommended by the Ontario Society of Professional Engineers; and in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy;
- c) That the approved funding for this purchase **BE APPROVED** as set out in the Source of Finance Report attached hereto as Appendix "A";
- d) Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this purchase;
- e) Approval hereby given **BE CONDITIONAL** upon the Corporation entering into a formal contract relating to the subject matter of this approval; and,
- f) 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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CWC – July 18, 2016 - Appointment of Consulting Engineer for Detailed Design of the Fox Hollow SWM Facility No. 3 (ES3020-FH3) and Trunk Sanitary Sewer (ES5236-16)

CWC – March 23, 2015 - Appointment of Consulting Engineer for Detailed Design and Contract Administration for the Construction of the Fox Hollow SWM Facility No. 3 (ES3020-FH3)

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

BACKGROUND

Purpose

This report recommends the appointment of Stantec Consulting Ltd. to carry out contract administration, site supervision, and engineering services necessary to complete the construction of the Fox Hollow Development Area SWM Facility No. 3 (attached: Appendix “B” Location Map) as well as the construction of a new trunk sanitary sewer servicing new development. It should be noted that Stantec was previously appointed to undertake the detailed design for this project.

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 beyond the Urban Growth Boundary 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.

A new trunk sewer alignment has been proposed adjacent to the channel and SWM Facility as an alternative to routing the sanitary sewer through internal subdivision streets where it would be considerably deeper (up to 8 meters). This sewer linkage represents an extension to trunk sewers previously constructed through the Fox Hollow Development Area and it is believed that funding for the sewer project could be absorbed by the existing Development Charges rates.

DISCUSSION

Stormwater Facility and Trunk Sanitary Sewer Construction Approach

We are approaching the construction of this facility by tendering it in two parts to take advantage of construction windows and to facilitate development timing. A pregrading tender will be awarded to undertake preliminary work with the bulk of the construction of the facility and trunk sanitary to follow in a separate tender.

In accordance with Section 15.2(g) of the Procurement of Goods and Services Policy (PGSP), Civic Administration is recommending that Stantec Consulting Ltd. be authorized to carry out the engineering services to complete this project. The use of Stantec for the project is of financial advantage to the City due to the fact that they have specific knowledge of the project for which duplication would be required if another firm were to be selected. In addition, Stantec’s proposal and work program meet the schedule and delivery requirements of the City and they have provided excellent service. Therefore, it is in the best financial and technical interests of the City and will allow the project objectives to be met, it being noted that Stantec has satisfied all financial, reporting and other conditions contained within the PGSP.

Further, Stantec has significant experience in the area as they have completed the design and construction administration for Fox Hollow SWM Facility 1 Phase 1, Fox Hollow SWMF Facility 2, and the Heard Drain (Appendix 'B' Location Map). They also have significant experience in designing and constructing sanitary infrastructure throughout the city and surrounding area.

Fox Hollow SWMF No.3 Budget Implications

The remaining budget for the construction of the Fox Hollow No. 3 (SWM facility, conveyance channel, and agreed upon off-site works), is \$3.9 M excluding HST. This budget number was established and approved by Council in 2009. Noting that this value was no longer sufficient, the anticipated increase was included in the 2017 GMIS stormwater reserve fund analysis. A budget adjustment request will be requested in the future tendering report for the Fox Hollow No.3 SWM Facility.

CONCLUSIONS

Stantec Consulting Ltd has demonstrated an understanding of the City’s requirements for this project and will build upon their design and continue through to see the project to completion. It is recommended for approval that the engineering fee of \$149,868.40, excluding H.S.T. to carry out the contract administration, site supervision, and engineering services associated with the Fox Hollow SWM Facility No. 3 pre-grading contract (ES3020-FH3), that the engineering fee of \$156,146.93, excluding H.S.T. to carry out the contract administration, site supervision, and engineering services associated with the Fox Hollow SWM Facility No. 3 construction contract (ES3020-FH3), and the fee of \$72,315.92, excluding H.S.T. to carry out the contract administration, site supervision, and engineering services of a sanitary trunk main (ES5236-16). The assignment, by combining the two projects, is expected to result in lower costs for this infrastructure work and development charges funded projects. The pre-grading tender will be awarded first, and anticipated to be less than \$3M, thus awarded administratively. The tender award for the SWM facility and trunk sewer projects, subject to procurement policy, will be brought forward to a future Committee.

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

SUBMITTED BY:	REVIEWED AND CONCURRED BY:
SCOTT MATHERS, MPA, P.ENG. MANAGER OF STORMWATER ENGINEERING DIVISION	TOM COPELAND, P. ENG. DIVISION MANAGER WASTEWATER AND DRAINAGE ENGINEERING
REVIEWED AND CONCURRED BY:	RECOMMENDED BY:
JOHN LUCAS, P.ENG. DIRECTOR, WATER AND WASTEWATER ENGINEERING	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL SERVICES AND CITY ENGINEER

November 7, 2016

Attach: Appendix “A” – Sources of Financing
Appendix “B” – Location Map