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<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON FEBRUARY 3, 2014</b>
<b>FROM:</b>	<b>EDWARD SOLDO, P. ENG. DIRECTOR, ROADS AND TRANSPORTATION</b>
<b>SUBJECT:</b>	<b>APPOINTMENT OF CONSULTING ENGINEER FOR INSPECTION, CONTRACT ADMINISTRATION AND ENGINEERING SERVICES ASSOCIATED WITH THE CONSTRUCTION OF THE FOX HOLLOW SWM FACILITY NO. 1 – SOUTH CELL AND WOODLOT BERM (ES3020-FH1)</b>

<b>RECOMMENDATION</b>
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That, on the recommendation of the Director, Roads and Transportation, the following actions **BE TAKEN** with respect to appointment of a consultant for inspection, contract administration and engineering services associated with the construction of the Fox Hollow No. 1 SWM Facility – South Cell and Woodlot Berm:

- a) The engineering fees for Stantec Consulting Ltd. (171 Queens Avenue, Suite 600, London Ontario N6A 5J7) **BE ACCEPTED** to carry out the Inspection and General Construction Administration, including geotechnical, the monitoring of existing water wells, the post-construction monitoring in the total amount of \$245,481.50 including contingency, excluding HST; in accordance with Section 15.2(g) 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 consulting fees for the project identified in (a), above, **BE IN ACCORDANCE** with the estimate, on file, which are based upon the Fee Guideline for Professional Engineering Services, 2006, recommended by the Ontario Society of Professional Engineers;
- d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this work;
- e) the approvals given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract with the consultant for the work; and
- f) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

<b>PREVIOUS REPORTS PERTINENT TO THIS MATTER</b>
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CWC – November 12, 2012 – Fox Hollow Development Area Stormwater Management Facilities Nos. 1 and 3

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

CWC – December 19, 2011 – Fox Hollow Development Area Stormwater Management Facility #2 Depressurization Wells and Groundwater Works

BNEC – October 31, 2011 – Contract Award – Tender No. T11-62 - Fox Hollow Community SWM System (Heard Drain) and Trunk Sanitary Sewer (ES5236)

BNEC – August 15, 2011 – Fox Hollow Development Area Stormwater Management Facility #2 Depressurization Wells and Groundwater Works

BNEC – May 2, 2011 – Contract Award – Tender No. T11-40, Fox Hollow Development Area Stormwater Management Facility No. 2 Construction Contract (ES3019)

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BNEC – Feb 14, 2011 – Contract Award – Tender No. T11-13, Fox Hollow Development Area Stormwater Management Facility No. 2 Site Preparation Contract (ES3019)

ETC – May 10, 2010 – Appointment of Consulting Engineer for Engineering Services for Functional and Detailed Design of Fox Hollow Community Storm/Drainage, Stormwater Management and Sanitary Trunk Sewer Servicing Works.

ETC – April 12, 2010 – Schedule C Municipal Class Environmental Assessment Addendum for Storm/Drainage, Stormwater Management and Sanitary Servicing for the Fox Hollow Development Area

PC – October 19, 2009 – Storm/drainage, Stormwater Management and Sanitary Trunk Sewer Servicing Works for Fox Hollow Development Area

ETC – June 1, 2009 - the appointment of a consultant for the Functional Design of Fox Hollow Community Storm/Drainage, Stormwater Management (SWM) and Sanitary Trunk Sewer Servicing Works (ES3018 ES5236) Fox Hollow Trunk Sanitary Sewer.

ETC – September 11, 2006 – Municipal Class Environmental Assessment Report Recommendations for Proposed Storm/Drainage and Stormwater Management Servicing Works for Fox Hollow Development Area

ETC – June 13, 2005 – Approval of the Appointment of the Consulting Engineer for the Municipal Class EA, Schedule ‘C’ Study for Storm/Drainage and SWM servicing works for Fox Hollow Development Area

ETC – March 25, 2002 – Approval of the Completion of the Functional Drainage and SWM Master Plan for Fox Hollow Community Plan

ETC – February 26, 2001 – Approval of the Appointment of the Consulting Engineer for Functional Drainage and SWM Master Plan for Fox Hollow Community Plan

<b>BACKGROUND</b>
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**Purpose**

This report recommends the appointment of Stantec Consulting Ltd. to carry out inspection, contract administration, post construction monitoring and engineering services necessary to complete and construct the Fox Hollow Development Area SWM Facility No. 1 – South Cell / Woodlot Berm (location map is shown in Appendix B).

**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 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 storm/drainage, SWM 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. The scope of the engineering services for functional and detailed design did not include phasing of the SWM facilities.

In June 2012, staff recommended that current development plans, via the Growth Management Implementation Strategy (GMIS), could be implemented while deferring considerable capital spending and provide savings in debt related interest costs by phasing the large stormwater management facilities. It was proposed that the Fox Hollow No. 1 Facility be phased into two parts, North Cell and the South Cell / Woodlot Berm.

Construction of the Fox Hollow Development Area SWM Facility No. 1 – South Cell and Woodlot Berm will be the third municipally built component of the Fox Hollow Community Area SWM System and will allow for approximately 40 ha of land to the west and north to be developed. Storm flows from these areas will be captured by the SWM Facility and woodlot parcel to provide water quality, erosion and peak flow attenuation to protect the downstream Medway Creek system.

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<b>DISCUSSION</b>
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Stantec has completed the functional and detail design work for the Fox Hollow No. 2, Heard Drain, Fox Hollow No. 1 (south cell and woodlot berms) SWM facilities and has completed the functional design work for the Fox Hollow No. 1 (north cell) and Fox Hollow No. 3 SWM facilities. The fees associated with the engineering assignment for these works are approximately \$1,507,930.

Given their knowledge and experience on the project, Stantec Consulting Ltd. was requested to submit a proposal to carry out the inspection, contract administration, post construction monitoring and engineering services for the construction of the Fox Hollow No. 1 SWM facility (south cell and wood lot berms).

In accordance with Section 15.2(g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that Stantec be authorized to carry out the remainder of engineering services to complete this project at an estimated cost of \$245,481. The continued use of Stantec on this project is of financial advantage to the City due to the fact that the firm has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected. The approval of this work will bring the value of the overall consulting assignment to \$1,753,411.

The cost of the subject work for Phase 1 of Fox Hollow No. 1 (south cell and woodlot berms) prior to the tender opening was estimated in the amount of \$2,237,945 including contingency, excluding HST. The Contract for the construction of the Fox Hollow No. 1 SWM facility (south cell and wood lot berms) was tendered and awarded in accordance with the City's Procurement of Goods and Services Policy under the City's Administrative Approval process as the value of the tender was under three (3) million dollars. The total costs of the previously constructed SWM facilities and the subject works are approximately \$8.5 M.

<b>CONCLUSIONS</b>
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Stantec Consulting Ltd. has demonstrated an understanding of the City requirements for this project and has extensive knowledge of the project. The continued involvement of Stantec Consulting Ltd. is in the best financial and technical interests of the City. It is recommended that the engineering fees of the City's consultant (Stantec Consulting Ltd.) be increased by \$245,481.50 including contingency, excluding H.S.T. to carry out the Inspection and General Construction Administration, including geotechnical, the monitoring of existing water wells, the post-construction monitoring and engineering services for the project.

<b>PREPARED BY:</b>	<b>REVIEWED AND CONCURRED BY:</b>
<b>BERTA KRICKER, M. ENG., F.E.C., P.ENG. MANAGER OF STORMWATER MANAGEMENT UNIT</b>	<b>EDWARD SOLDI, P.ENG. DIRECTOR, ROADS AND TRANSPORTATION</b>
<b>RECOMMENDED BY:</b>	
<b>JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL &amp; ENGINEERING SERVICES &amp; CITY ENGINEER</b>	

January 28, 2014  
 Attach: Appendix "A" – Sources of Financing  
 Appendix "B" – Location Map