

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON TUESDAY AUGUST 29, 2017</b>
<b>FROM:</b>	<b>KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER</b>
<b>SUBJECT:</b>	<b>APPOINTMENT OF CONSULTING ENGINEER SOUTH LONDON WASTEWATER SERVICING MUNICIPAL ENVIRONMENTAL ASSESSMENT</b>

<b>RECOMMENDATION</b>
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That on the recommendation of the Managing Director of Environmental and Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the assignment of consulting services for completion of the Municipal Class Environmental Assessment (EA) to consider the construction of a new wastewater facility at the current Dingman Creek Pumping Station location:

- a) AECOM Canada Limited **BE APPOINTED** Consulting Engineers in the amount of \$172,134.00, including 20% contingency, excluding HST, based upon the Fee Guideline for Professional Engineering Services recommended by the Ontario Society of Professional Engineers and in accordance with Section 15.2 (d) of the City of London's 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 project;
- d) the approvals given, herein, **BE CONDITIONAL** upon the Corporation entering into a formal contract; and,
- e) 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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- Civic Works Committee – July 17, 2017 – Appointment Of Consulting Engineers Growth Management Implementation Strategy Southwest Sanitary Servicing Projects
- Civic Works Committee – February 3, 2014 - Notice of Completion of the Southwest Area Sanitary Servicing Master Plan: Municipal Class Environmental Assessment for the Southland Wastewater Treatment Plant and Proposed Sanitary Servicing of the Southwest Area (ES5260)

<b>2015-19 STRATEGIC PLAN</b>
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The 2015-2019 Strategic Plan identifies this objective under Building a Sustainable City: 1B – manage and improve our water, wastewater and stormwater infrastructure and services.

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

The purpose of this report is to seek Council Approval to award AECOM Canada

Limited (AECOM) a contract for consulting services for the completion of a Municipal Class EA to consider a new wastewater servicing strategy for the south London servicing area. This area includes lands historically serviced by the Wonderland Pumping Station; the built-out and development lands within the Southwest Area Secondary Plan; and lands considered in the Industrial Land Development Strategy.

## **Context**

The Wonderland Pumping Station is one of the City's major wastewater facilities. The station receives wastewater from a large portion of south London and discharges it north for treatment at the Greenway Wastewater Treatment Plant. The Wonderland Pumping Station is reaching its peak operating capacity. Additional capacity will be required to meet the goals of the City's Growth Management Implementation Strategy and Industrial Land Development Strategy. The optimal approach for developing a wastewater servicing strategy is through a municipal environmental assessment process.

## **DISCUSSION**

Given the pace of development in the Southwest Secondary Plan area, it is anticipated that the capacity of the Wonderland Pumping Station will be exceeded in the short term. The Wonderland Pumping Station ultimately services the majority of the Southwest Secondary Plan area and several additional areas currently serviced by the Westmount and Bostwick pumping stations. The Phase 3 southwest area trunk sanitary sewer will be completed in the next two years, which will allow Westmount and Bostwick pumping stations to be decommissioned, providing significant operational efficiencies.

The current Development Charges Background Study provides a timing of 2024 for the next upgrade of the Wonderland Pumping Station. In order to meet the requirements of the City's Growth Management Implementation Strategy and Industrial Land Development Strategy, the timing of capacity upgrades will need to be accelerated. The implementation plan developed as part of this environmental assessment will directly contribute to the development of the 2019 Development Charges Background Study.

While Wonderland Pumping Station was constructed to allow for future expansions, recent studies have demonstrated that the costs are similar to the projected costs to construct a new facility at the location of the former Dingman Creek Pumping Station. The environmental assessment process will develop a strategy to provide alternative treatment and conveyance options for growth in the southern portion of the City.

The municipal class environmental assessment process is the ideal approach for considering the planning, environmental, and operational aspects of various servicing options. The environmental assessment process also provides a forum for public and stakeholder input. This environmental assessment would consider, at a minimum, the following opportunities:

- Re-instating or constructing a new pumping station at the site of the original Dingman Creek Pumping Station to pump to the Greenway Wastewater Treatment Plant;
- Increasing the capacity of the current Wonderland Pumping Station;
- Providing wastewater pre-treatment at Dingman Creek Pumping Station;
- Enhancing septage receiving at either Dingman Creek Pumping Station or Wonderland Pumping Station;
- Transferring future flows to a treatment plant other than Greenway.

## **Procurement Process**

A Request for Proposal (RFP), RFP #17-24, was issued by the City. Four consulting firms submitted proposals:

- AECOM Canada Limited

- CH2M Hill Canada Limited
- MTE Consultants
- Stantec Consulting Limited

The submissions were reviewed by staff from Wastewater Treatment Operations and Purchasing and Supply to ensure compliance with the City's Procurement of Goods and Services Policy. All four proposals met the City's requirements for submission acceptance and were evaluated via a weighted scoring system by the review team. The proposal from AECOM scored the highest, based on this scoring system.

**Project Schedule**

The study is expected to be completed by Q3 2018. A detailed design assignment would be considered, based on the results of the study, and could be initiated as early as Q4 2018.

<b>CONCLUSIONS</b>
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The Wonderland Pumping Station is a key wastewater facility and is critical to meeting the goals of the City's Growth Management Implementation Strategy and Industrial Land Development Strategy. AECOM has shown their competence and expertise with infrastructure projects of this type and have provided good performance in the past on City projects. It is recommended that AECOM be awarded this assignment.

**Acknowledgements**

This report was prepared with the assistance of Kirby Oudekerk, Wastewater Treatment Operations.

<b>PREPARED BY:</b>	<b>REVIEWED BY:</b>
<b>GEORDIE GAULD DIVISION MANAGER WASTEWATER TREATMENT OPERATIONS</b>	<b>SCOTT MATHERS, MPA, P.ENG. DIRECTOR WATER, WASTEWATER AND TREATMENT</b>
<b>RECOMMENDED BY:</b>	
<b>KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER</b>	

Attachment: Appendix 'A' Sources of Financing  
Appendix 'B' Location Map

cc: J. Fleming, M. Henderson, J. Freeman, C. Ginty, G. McDonald, K. Oudekerk, P. Yeoman, M. Feldberg, K. Edwards, N. Awde (AECOM Canada Ltd.)