

--	--

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JUNE 16, 2014
FROM:	JOHN BRAAM, P.ENG MANAGING DIRECTOR ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	APPOINTMENT OF CONSULTING ENGINEER FOR INSPECTION, CONTRACT ADMINISTRATION AND ENGINEERING SERVICES (GREEN VALLEY DRAIN STORM/DRAINAGE AND STORMWATER MANAGEMENT REMEDATION WORKS)

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 inspection, contract administration and engineering services associated with the construction of the Green Valley Drain Storm/Drainage and Stormwater Management Remediation Works:

- a) The engineering fees for Delcan Corporation **BE INCREASED** by \$149,176.00 to the upset limit of \$307,572.00 for the additional design and engineering work associated with delays in MOE approvals and to carry out the inspection & general construction administration, and the post-construction monitoring 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"; and
- c) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this work.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
--

CWC – April 2, 2012 – Appointment of Consultant Engineer for Engineering Services For Functional, Detailed Design and Tender Document Preparation for Green Valley Storm/Drainage and Stormwater Management remediation works (ES 2462).

ETC – August 23, 2010 – Municipal Class Environmental Assessment Study for Green Valley Storm/Drainage and Stormwater Remediation Works.

ETC – June 22, 2009 – Appointment of Consulting Engineer for Engineering Services For Municipal Class Environmental Assessment Study for Green Valley Storm/Drainage and Stormwater Remediation Works.

ETC – August 22, 2005 – Dingman Creek Subwatershed Study Update, Conclusions and Recommendations.

BOC – July 30, 2003 – CASCO Claim – Green Valley Storm Drain and Dingman Creek

BACKGROUND

Purpose

The purpose of this report is to recommend approval of Delcan to carry out inspection, contract administration, post construction monitoring and engineering services necessary to complete and construct the Green Valley Storm/Drainage and SWM Remediation Works. The location of the project is shown in Appendix 'B'.

--	--

Context

In accordance the Ontario Ministry of the Environment (MOE) orders and the 2005 Council approved Dingman Creek Subwatershed Study Update, the Municipal Class Environmental Assessment (EA) which was accepted by Council in August 2010 the following remedial works to the Green Valley Storm/Drainage and Stormwater Management system will be undertaken:

- Increase in the depth of the drain through creation of pools riffles to reduce stale water conditions;
- Improve the sediment storage transportation for those flows that will, in the existing condition, deposit sediment in the drain; and
- Increase the conveyance capacity of the drain and maintain the drain's capacity to transport sediment.

These works are to be constructed in accordance with the approved the Stormwater Management Unit/Wastewater and Treatment Capital budget.

DISCUSSION

The contract for the construction of the Green Valley Storm/Drainage and Stormwater Management Remediation Works was tendered and will be awarded under the City's Administrative Approval process as the value of the tender was under three (3) million dollars.

Delcan has completed the functional and detail design work for Green Valley Drain Storm/Drainage and Stormwater Management Remediation Works in 2012. The previous assignment was in the amount of \$158,396.00. The proposed work plan for the construction administration and post-construction monitoring meets the timeline requirements to complete the construction of the Green Valley Storm/Drainage and Stormwater Management Remediation Works in 2014.

A lengthy delay (approximately 18 months) was encountered during the Environmental Compliance Approval (ECA) process as numerous discussions were held to satisfy the MOE. As a result of this delay contract documents initially prepared in 2012, were subsequently updated for the 2013 construction season and once again after the receipt of the MOE approval earlier this year, this work entailed the following:

- Updating the Tender Documents to the City of London's 2014 version and revising relevant sections to apply for changes made to drawings;
- Updating the Contract Drawings to reflect 2014 comments provided by the City prior to issuing for tender;
- Update of Cost estimates to reflect design changes and 2014 rates;
- Resubmission of drawings for Upper Thames River Conservation Authority (UTRCA); and
- Extension coordination for the MOE Permit To Take Water (PTTW) (2 years).

Subsequently a request for additional engineering design work is required; the fees associated with this work are \$24,522.00.

In accordance with Section 15.2(g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that Delcan be authorized to carry out the remainder of engineering services to complete this project for a fee estimate of \$124,654.00 (\$93,304.00 for Construction Administration and \$31,350.00 for two (2) year post-construction monitoring) including contingency (excluding H.S.T.). The continued use of Delcan 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 \$307,572.00

--	--

CONCLUSIONS

Delcan has demonstrated an understanding of the City requirements for this project and has complete knowledge of the project. The continued involvement of Delcan is in the best financial and technical interests of the City. It is recommended that this firm continue as the consulting engineer for the purpose of contract administration and post construction monitoring for a fee estimate of \$149,176 including contingency, excluding H.S.T.

Acknowledgements

This report was prepared with the assistance of Yan Clavet A.Sc.T., Stormwater Management Technologist of the Stormwater Management Unit.

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

June 11, 2014
 Attach: Appendix "A" – Sources of Financing
 Appendix "B" – Location Map