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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON AUGUST 25, 2014
FROM:	JOHN BRAAM, P. ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	MUD CREEK MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental & Engineering Services & City Engineer, the following action **BE TAKEN** with respect to appointment of a consulting engineer for the Mud Creek Municipal Class Environmental Assessment:

- (a) CH2MHill Canada Limited **BE APPOINTED** to carry out the Mud Creek Municipal Class Environmental Assessment in the total amount of \$221,771, including contingency, excluding HST; in accordance with Section 15.2(d) of the Procurement of Goods and Services Policy;
- (b) the financing for this work **BE APPROVED** as set out in 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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Civic Works Committee, May 26, 2014 – Mud Creek Subwatershed Study Update for Water Resources components under Climate Change Conditions

Planning & Environment Committee, September 10, 2013, Application By: Bluestone Properties Inc. 450 Oxford Street West

Civic Works Committee, January 2012, Appointment of Consulting Engineer for the Mud Creek Subwatershed Study Update

Built and Natural Environment Committee, June 13, 2011, Climate Change Adaptation Strategy Phase 1 Completion

Environment and Transportation Committee, September 27, 2010, Phase 1 – Climate Change Adaptation Strategy Studies

Environment and Transportation Committee, July 14, 2008, Appointment of the consultants for Phase 1 Climate Change Adaptation Strategy

Board of Control, May 28 2008, 2008 Wastewater and Treatment Emergent Projects (a) - ES2470 Climate Change Strategy

Environment and Transportation Committee, December 10, 2007, Review of Rainfall Intensity Duration Frequency Curves for City of London under Climate Change

Environment and Transportation Committee, September 2007, Appointment of Consulting Engineer for Municipal Class Environmental Assessment Study for Storm/Drainage and Stormwater Management Servicing Works for Mud Creek East Drainage Area

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BACKGROUND

Purpose

This report seeks the approval of the Municipal Council to retain an engineering consultant to undertake the Mud Creek Municipal Class Environmental Assessment (study area attached as Appendix 'B').

Context

On June 10, 2014 City Council received the Mud Creek Subwatershed Study Update. The Council Resolution stated that, *"on the recommendation of the Managing Director Environmental & Engineering Services and City Engineer, the following actions be taken with respect to the Mud Creek Subwatershed Study Update for Water Resources components under Climate Change conditions:*

- i) the Mud Creek Subwatershed Study (MCSS) Update for Water Resources components under the Climate Change Conditions **BE RECEIVED**; and
- ii) the proposed subwatershed mitigation strategies in the MCSS Update **BE CONSIDERED** as potential alternatives in a Municipal Class Environmental Assessment (EA) study for applicable remediation and servicing works..."

The MCSS did not meet the requirements of the EA process for a Master Plan and a separate EA study including a scoped EIS, is required to review and develop proposed remediation and servicing works that meet Official Plan Policy and the test of Provincial Policy. The EA will also have an extensive and comprehensive public consultation process.

DISCUSSION

Project Description

The purpose of this EA study is to provide a comprehensive, environmentally sound planning process with public participation, and to facilitate dialogue between parties with a number of competing interests.

The EA will consider the needs and balance the requirements of the storm/drainage and SWM servicing in relation to the natural and built environment. The study will identify and develop a range of design elements and features aimed at mitigating the impacts of future development and improving the existing condition of the storm/drainage within the study area. The design will need to reflect both existing and planned land use, urban form and environmental contexts. Trade-offs between features should reflect the long-term objectives for the study area.

The purpose and challenge of this study will be to develop and refine a strategic approach within which the following objectives can be achieved:

- Protection of the environment, as defined in the *Environmental Assessment Act*, through the prudent management of resources. This goal will be met through study, extensive consultation with the general and affected public, monitoring and mitigation.
- Reconciling the environmental assessment with policy directions pertaining to the Study Area identified in subwatershed study.
- Participation of a broad range of stakeholders in the study process to allow for sharing of ideas, education, testing of creative solutions and developing alternatives.
- Documentation of the study process in compliance with all phases of the Municipal Class EA process.
- In addition to the above, the City has identified a number of issues to be examined as part of this study. These issues may assist the City in more fully preparing a problem statement for the study. These issues include, but are not limited to:
 - Confirmation of Mud Creek Subwatershed objectives, SWM criteria and environmental targets;
 - The morphology of Mud Creek as a result of sedimentation/instability issues in the middle reaches and erosion of banks in the lower reaches;
 - Canadian National Railway (CNR) culvert performance;

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- Management of stormwater flows north of the Canadian Pacific Railway (CP) line;
- Implementation of the Private Permanent Systems (PPS) in coordination with proposed Regional SWM servicing works;
- Frequent flooding along Oxford Street and Proudfoot Lane;
- Flooding potential in the vicinity of Wonderland Road/Riverside Drive/Hutton Place; and
- Sediment issues in culverts and connecting storm sewers.

Consultant Selection

In accordance with Section 15.2(d) of the Procurement of Goods and Services Policy, three consulting firms were invited to submit proposals for the project that included a summary of the project tasks, schedule, and costs. An evaluation committee reviewed the consultant submissions for the project and based on the evaluation criteria and selection process identified in the Request for Proposals, the evaluation committee concluded that the proposal from CH2MHill Canada Limited provides the best value to the City.

CH2MHill Canada Limited has an experienced project team that had a clear understanding of the project scope and requirements. Their past proven experience on similar projects of this nature combined with a project proposal that demonstrated a thorough understanding of the goals and objectives demonstrated their suitability for the undertaking.

In accordance with Section 15.2(d) of the Procurement of Goods and Services Policy, Civic Administration recommends CH2MHill Canada Limited be appointed as the consulting engineer for the Mud Creek Municipal Class EA Study. The submission from CH2MHill Canada Limited includes a fee submission that indicates that the EA can be completed within the funds available in the project account.

CONCLUSIONS

The City of London requires a Municipal Class EA for anticipated development in the Mud Creek study area in order to determine the storm/drainage and SWM servicing works for the area to mitigate the impact of future development on water resources and to remediate storm/drainage and SWM servicing in the subwatershed.

Recommendation

Based on the thorough consultant procurement process, it is recommended CH2MHill Canada Limited be awarded the consulting assignment for the Mud Creek Municipal Class EA at an upset amount of \$221,771, including contingency, excluding HST.

Acknowledgements

This report was prepared with the assistance of David Gough, P.Eng., Stormwater Management Engineer of the Stormwater Management Unit.

PREPARED BY:	RECOMMENDED BY:
EDWARD SOLDI, P.ENG. DIRECTOR, ROADS AND TRANSPORTATION	JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER

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

cc: CH2MHill Canada Limited