

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JUNE 7, 2017
FROM:	KELLY SCHERR, P. ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER
SUBJECT:	CLEAN WATER AND WASTEWATER FUND APPOINTMENT OF CONSULTING ENGINEERS FOR THE 2017 PROJECTS FOR STORMWATER ENGINEERING

RECOMMENDATION

- (a) That, on the recommendation of the Managing Director, Environmental & Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the appointment of consulting engineers for the 2017 Clean Water and Wastewater Fund projects related to stormwater management:
- (i) Ecosystem Recovery Inc. **BE APPOINTED** consulting engineers to carry out services for the Urban Waterways Study, in the total amount of \$200,000 including contingency, excluding HST, in accordance with Section 15.2 (d) of the Procurement of Goods and Services Policy;
 - (ii) Aquafor Beech Limited **BE APPOINTED** consulting engineers to carry out the functional design of the Dingman Creek Stream Naturalization and Corridor Enhancement Works, in the total amount of \$200,000 including contingency, excluding HST, in accordance with the estimate on file, which is based upon the Fee Guideline for Professional Engineering Services, 2015, recommended by the Ontario Society of Professional Engineers, and in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy;
- (b) the financing for this project **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 approval given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract with the consultant for the works; 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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CWC 2016-10-04 – Infrastructure Canada Phase 1 Project Requests Clean Water and Wastewater Fund

CWC 2015-10-06 – Dingman Creek Subwatershed: Stormwater Servicing Strategy Schedule C Municipal Class Environmental Assessment

BACKGROUND

Purpose:

Recommendation (a)(i) appoints a qualified engineering consultant under section 15.2(d) of the Procurement of Goods and Services Policy to undertake the Urban Waterways Study.

Recommendations (a)(ii) appoints a qualified engineering consultant under section 15.2(g) of the Procurement of Goods and Services Policy to undertake the functional design of the Dingman Creek Stream Naturalization and Corridor Enhancement Works.

DISCUSSION

Clean Water and Wastewater Fund

The first phase of funding for the Clean Water and Wastewater Fund (CWWF) is a 2 year - \$2 Billion Government of Canada investment to meet immediate priorities for clean water and wastewater to support a cleaner and healthier environment for communities. CWWF focuses on investing in projects that:

- Rehabilitate and optimize water, storm water and wastewater related infrastructure;
- Improve asset management approaches including pilots and studies;
- Plan for future upgrades to wastewater treatment and collection infrastructure;
- Include new construction projects like naturalized systems.

The City of London has successfully received funding from the CWWF for both of the subject projects as identified in CWC 2016-10-04. Sources of Financing for the projects is provided in Appendix A.

Urban Waterways Study

The City is commencing a program to assess and prioritize improvements of the waterways located within the Urban Growth Boundary (refer to Appendix B, Figure 1 for study extents). The objective of this program is to assess and improve degraded urban waterways throughout the City and to establish an asset management plan for watercourses. The scope of work involves evaluating the stream health of the City's urban waterways and prioritizing improvements to mitigate erosion and flooding impacts to infrastructure and property by applying natural channel design (e.g. pools, riffles) and natural bank stabilization techniques. The focus will be on stream reclamation, which aims to recreate the functions and processes of a naturally stable ecosystem with the understanding that it will be quite different from the condition prior to urbanization.

Dingman Creek Stream Naturalization and Corridor Enhancement Works

Aquafor Beech Limited is currently undertaking the Dingman Creek Subwatershed: Stormwater Servicing Strategy Schedule C Municipal Class Environmental Assessment (Dingman EA) for the City of London. The primary objective of the Dingman EA is to provide sufficient information to allow for the approval of multiple stormwater management facilities under one Environmental Compliance Approval (ECA). Stormwater management facilities, along with natural heritage features and recreational trails, are proposed to be a part of the integrated Dingman Creek corridor. As part of the Dingman EA, an opportunity to restore a portion of Dingman Creek corridor between Wonderland Road and Wellington Road was identified and is the subject of this appointment (refer to Appendix B, Figure 2 for functional design extents).

The Dingman Creek corridor represents the City of London's last major undeveloped corridor, consisting of a network of woodland and wetland patches, tributaries, and the main Dingman Creek channel. This corridor represents a unique opportunity for the City to improve the system from a social, infrastructure, and ecological perspective. This initiative will result in significant natural heritage and social legacy for the residents of London, as well as the flora and fauna within the corridor. The creation and enhancement of wildlife habitat and connectivity will be key tenants of the natural heritage approach to this project.

The restoration objectives of the proposed functional design include the incorporation of flooding, erosion, natural heritage, and recreational considerations into a corridor design

appropriate for the Dingman Creek study area. The functional design will include an integrated Dingman Creek corridor between Wonderland Road and Wellington Road. This appointment will occur in parallel with the ongoing EA Study.

Consultant Selection

Urban Waterways Study

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 work plan. An evaluation committee with representation from the Stormwater Engineering Division with the assistance of Purchasing and Supply reviewed the consultant submissions for the project.

Based on the evaluation criteria and selection process identified in the Request for Proposals, the evaluation committee concluded that the proposal from Ecosystem Recovery Inc. provides the best value to the City.

Ecosystem Recovery Inc. has an experienced project team that has 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. The submitted proposal from Ecosystem Recovery Inc. demonstrated the best value to the City through innovative approaches to data collection and asset management and the commitment of intermediate and senior staff contribution to all aspects of the project.

In accordance with Section 15.2(d) of the Procurement of Goods and Services Policy, Civic Administration is recommending Ecosystem Recovery Inc. be appointed as the consulting engineer for the Urban Waterways Study.

Dingman Creek Stream Naturalization and Corridor Enhancement Works

Due to the time constraints of Phase 1 of the CWWF projects, and in order to advance the functional design of the Dingman Creek Stream Naturalization and Corridor Enhancement Works, Aquafor Beech Limited is recommended to proceed with this functional design assignment in parallel with the Dingman EA based on their satisfactory work to date. This Phase 1 functional design assignment will enable future CWWF funding to be applied to non-growth works recommended by the Dingman EA.

Section 15.2(g) of the Procurement of Goods and Services Policy provides that a consulting firm which has satisfactorily partially completed a project may be recommended for award of the balance of a project without competition subject to satisfying all financial, reporting and other conditions contained within this Policy. This should be to the financial advantage of the City due to the fact that such a consultant has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected.

Aquafor Beech Limited's previous appointment as the Consulting Engineer for the Dingman Creek Subwatershed: Stormwater Servicing Strategy Municipal Class Environmental Assessment (CWC 2015-10-06, \$501,328) was completed under 15.2(e) of the Procurement of Goods and Services Policy. In accordance with Section 15.2(e) of the Procurement of Goods and Services Policy, Assignments for complex projects, or projects with estimated consulting fees greater than \$500,000 shall be awarded based on a two (2) stage process with the first stage being an open, publicly advertised expression of interest/pre-qualification stage (REOI/RFQUAL), and the second being a RFP of the short-listed firms, of which there shall be a minimum of three (3) qualified firms stating their approach to the proposed project and their experience and knowledge of projects similar in nature.

For this appointment, staff have reviewed the fee submissions in detail considering the hourly rates provided by each staff member. Staff have confirmed that hourly rates are consistent with those submitted through competitive processes. Staff also reviewed the time allocated to each project related task. Staff can confirm that the amount of time allocated to each project task is consistent with prior projects of a similar nature that have been awarded through a competitive process. In general, the assignment is found to be reasonable and in-line with those that would be expected through a competitive process.

Aquafor Beech Limited has an experienced project team that has a clear understanding of the project scope and has proven experience within the Dingman Creek area, including the current undertaking of the Dingman EA. In accordance with Section 15.2(g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that Aquafor Beech Limited. be authorized to carry out the function design of the Dingman Creek Stream Naturalization and Corridor Enhancement Works.

CONCLUSIONS

Ecosystem Recovery Inc. has demonstrated an understanding of City requirements and knowledge of this project, and the proposed work plan provides the best value to the City. Therefore, it is recommended Ecosystem Recovery Inc. be appointed as the consulting engineers to carry out the Urban Waterways Study, in the total amount of \$200,000 including contingency, excluding HST.

Aquafor Beech Limited has demonstrated an understanding of City requirements and knowledge of this project. Therefore, it is recommended Aquafor Beech Limited be appointed as the consulting engineers to carry out the function design of the Dingman Creek Stream Naturalization and Corridor Enhancement Works, in the total amount of \$200,000 including contingency, excluding HST.

Acknowledgements:

This report was prepared within the Stormwater Engineering Division by David Gough, P. Eng., Environmental Service Engineer.

SUBMITTED BY:	REVIEWED AND CONCURRED BY:
SHAWNA CHAMBERS, P. ENG. DIVISION MANAGER STORMWATER ENGINEERING	SCOTT MATHERS, MPA, P. ENG. DIRECTOR, WATER AND WASTEWATER
RECOMMENDED BY:	
KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER	

Attach: Appendix "A" – Sources of Financing
Appendix "B" – Location Maps

Cc: John Freeman, Manager, Purchasing and Supply
Gary McDonald, Budget Analysis