

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING MAY 24, 2017
FROM:	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR OF ENVIRONMENTAL AND ENGINEERING SERVICES & CITY ENGINEER
SUBJECT:	INCREASE IN ENGINEERING FEES 2017 INFRASTRUCTURE RENEWAL PROGRAM CONTRACT 14 AVALON STREET

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental and Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to increasing the engineering fees for 2017 Infrastructure Renewal Program Contract 14 Avalon Street.

- a) The engineering design fees for R.V. Anderson Associates Limited **BE INCREASED** in the amount of \$77,492.00 from \$208,450.00 (excluding H.S.T.), to a revised total of \$285,942.00 (excluding H.S.T.).
- b) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix "A";
- c) the consulting fees for the project **BE IN ACCORDANCE** with the estimate, on file, which are based upon the Fee Guideline for the Professional Engineering Services, recommended by the Ontario Society of Professional Engineers; and in accordance with Section 20.3(e) of the City of London's Procurement of Goods and Services Policy;
- d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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- Appointment of Consulting Engineers, Infrastructure Renewal Program 2016-2017, Civic Works Committee, June 2, 2015, Agenda Item # 5
 - Note this project was known as "Contract B" at that time of this report

2015-2019 STRATEGIC PLAN

- 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.

BACKGROUND

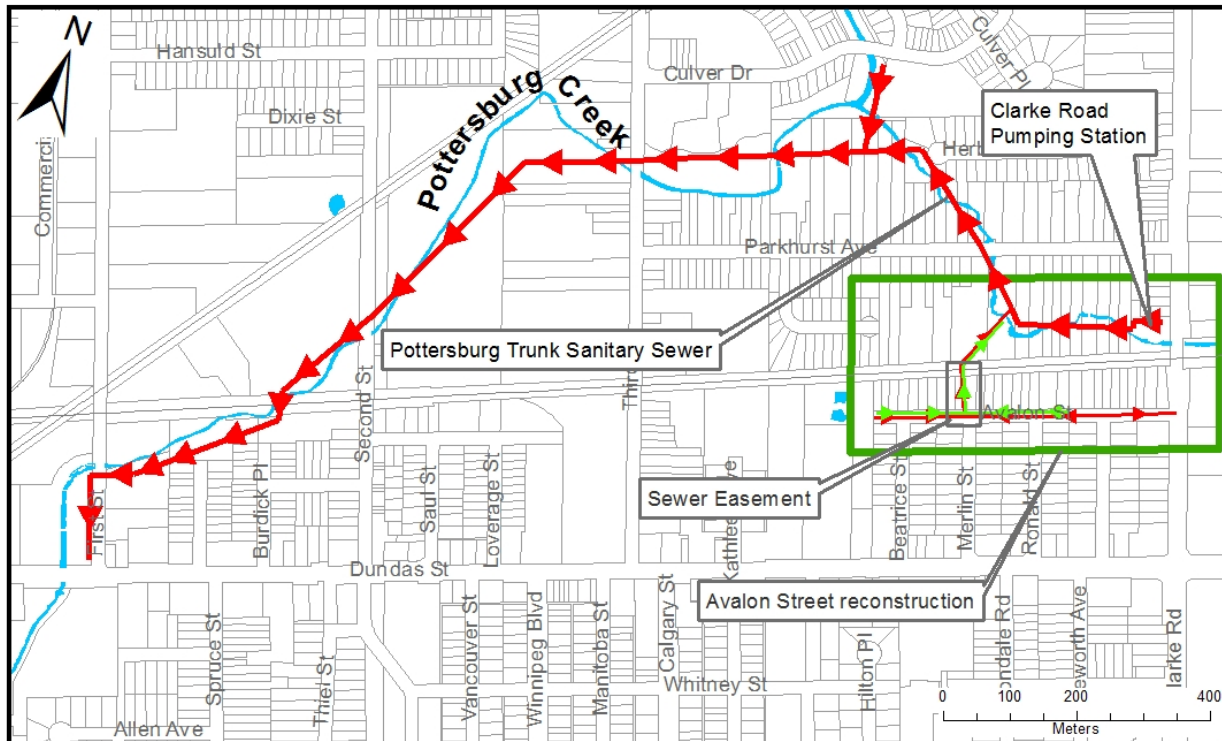
Purpose

This report recommends an increase in fees for engineering design to address changes in scope encountered during the design phase of this project.

Context

Avalon Street was one of 12 projects awarded to consultants in the 2016 / 2017 Infrastructure Renewal Program on June 2, 2015, with anticipated construction in 2017.

The original scope for project design included replacing sanitary sewers, storm sewers and watermain throughout Avalon Street (sanitary circa 1952), as well as sanitary and storm sewers to the Pottersburg Creek through an existing easement. The existing sanitary sewer enters the Pottersburg Trunk Sanitary Sewer (circa 1955) on the north side of the Pottersburg Creek. The existing storm sewer outlets to the south side of the Pottersburg Creek, north of the existing easement.



DISCUSSION

As the design progressed, a number of factors challenged the original work plan, both for the sanitary and storm sewer designs. Details are outlined below.

Sanitary Sewers

Upon a thorough investigative review of the Pottersburg Trunk Sanitary Sewer adjacent to Pottersburg Creek, it was determined that this sewer was not a suitable outlet for Avalon Street due to a number of factors. The trunk sewer is in poor condition and crosses under Pottersburg Creek nine times. Multiple sections are on private property with no defined or recognized easement, making maintenance access difficult. As a result, the proposed Avalon Street sanitary sewer through an easement to the existing Pottersburg Trunk Sanitary Sewer was no longer suitable. Through this review, it was determined that the trunk sewer should be replaced on a new alignment in the future. This triggered a significant departure from the original work plan and resulted in the need for a project scope change. The sanitary sewer on Avalon Street is now proposed

to flow east to Clarke Road, before proceeding north on Clarke Road and connecting to an existing sanitary sewer north of Pottersburg Creek. Ultimately, this sewer enters the Clarke Road Pumping Station.

Storm Sewers

The Pottersburg Creek has been identified as a sensitive waterway. In an attempt to alleviate additional storm flow impacts associated with new storm sewers to Pottersburg Creek, the project team has identified the need to investigate the implementation of Low Impact Development Strategies (LIDS). This also represents a change in the original work plan.

The new project limits are shown below:



Public Notification

In November, 2016, the construction of this project was deferred from 2017 to 2018. Local residents were notified on November 22, 2016 of this new schedule.

Consulting Fees

R.V. Anderson Associates Limited was appointed the consulting engineer for this project in June, 2015 as part of a competitive process for 12 projects in accordance with 15.2 of the Procurement of Goods and Service Policy. As a result of the scope changes to the sanitary and storm sewer design, the City asked R.V. Anderson Associates Limited to submit a revised work plan and fee estimate. Staff have reviewed the fee submission in detail considering the time allocated to each project task along with hourly rates provided for each of the Consultant's staff members, and deemed the additional fees to be acceptable and appropriate for this scope of work, in accordance with the City of London's Procurement Policy.

The cost in consulting fees required to complete the project design is recommended to be increased by \$77,492.00 to a revised total of \$285,942.00 (excluding H.S.T.). As reported in June, 2015, R.V. Anderson Associates Limited may obtain approval to proceed with subsequent phases of engineering for this project subject to satisfying all financial, reporting and other conditions contained within the Procurement of Goods and Service Policy.

SUMMARY

R.V. Anderson Associates Limited was awarded the detailed design of the project by Council in June, 2015. As a result of design scope changes, it is recommended that the consultant's contract be increased by \$77,492.00, bringing the project from the original amount of \$208,450.00 (excluding H.S.T.), to a revised total of \$285,942.00 (excluding H.S.T.).

Acknowledgements

This report was prepared with the assistance of John Bos, C.E.T., Technologist II, and Kyle Chambers, P. Eng., Environmental Services Engineer, in the Wastewater and Drainage Engineering Division.

PREPARED BY:	REVIEWED BY:
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RECOMMENDED BY:	
KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER	

RVA additional fees May 24 fnl

May 15, 2017
KJC/jwb

cc. Scott Mathers
R.V. Anderson Associates Limited