

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON FEBRUARY 20, 2019</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>CONTRACT AWARD: TENDER NO. RFT 19-13 2019 INFRASTRUCTURE RENEWAL PROGRAM CAVENDISH CRESCENT AND MOUNT PLEASANT AVENUE PHASE 2 RECONSTRUCTION PROJECT</b>

<b>RECOMMENDATION</b>
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That on the recommendation of the Managing Director, Environmental and Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the award of contracts for the 2019 Infrastructure Renewal Program Cavendish Phase 2 reconstruction project:

- (a) the bid submitted by Bre-Ex Construction Inc. at its tendered price of \$4,214,630.88, excluding HST, **BE ACCEPTED**; it being noted that the bid submitted by Bre-Ex Construction Inc. was the lowest of seven bids received and meets the City's specifications and requirements in all areas;
- (b) Spriet Associates **BE AUTHORIZED** to carry out the resident inspection and contract administration for the said project in accordance with the estimate, on file, at an upset amount of \$287,944.80, excluding HST, in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy, noting that this firm completed the engineering design for this project;
- (c) That on the recommendation of the Managing Director, Environmental and Engineering Services and City Engineer, the attached proposed by-law (Appendix 'D') **BE INTRODUCED** at the Municipal Council meeting to be held on March 5, 2019, for the purpose of amending the Traffic and Parking By-law (PS-113).
- (d) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached, hereto, as Appendix 'A';
- (e) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (f) the approval given, herein, **BE CONDITIONAL** upon the Corporation entering into a formal contract, or issuing a purchase order for the material to be supplied and the work to be done, relating to this project (Tender RFT19-13); and
- (g) 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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- Appointment of Consulting Engineers, Infrastructure Renewal Program 2017-2018, Civic Works Committee, June 8, 2016, Agenda Item # 4
- Appointment of Consulting Engineers, Infrastructure Renewal Program, Civic Works Committee, June 19, 2018, Agenda Item #2.8 b)

## 2015-2019 STRATEGIC PLAN

The 2015 – 2019 Strategic Plan under Building a Sustainable City identifies Robust Infrastructure, more specifically to this report; 1B – Manage and improve our water, wastewater and stormwater infrastructure and services, in addition to improving safety, traffic operations and residential needs in London’s neighbourhoods.

## BACKGROUND

### Purpose

This report recommends award of a tender to a Bre-Ex Construction Inc., and continuation of consulting services by Spriet Associates for the reconstruction of:

- Cavendish Crescent from Wyatt Street to Riverside Drive; and
- Mount Pleasant Avenue from Riverside Drive to Charles Street.

A project location map is included for reference in Appendix ‘B’.

### Context

Cavendish Crescent and Mount Pleasant Avenue have each been identified as a high priority in the infrastructure renewal program due to the poor condition of the municipal infrastructure. Most of this sewer infrastructure dates from the 1920s to the 1950s. The watermain on this project is pre 1900s cast iron. This is the second phase of a three phase construction project.

## DISCUSSION

The Cavendish Crescent and Mount Pleasant Avenue (Cavendish Phase 2) infrastructure renewal project includes the following improvements:

- installation of trunk sanitary sewers including Private Drain Connections (PDCs) where requested;
- installation of trunk storm sewers including PDCs where requested;
- installation of watermain and individual water services to property line where applicable;
- full road reconstruction including new asphalt, curb and gutter, and sidewalk; and
- inclusion of underground works by Bell Canada.

In addition, the following new features will be incorporated into this project:

- new sidewalk on the west side of Cavendish Crescent, south of Walnut Street; and
- addition of on-street parking on the west side of Cavendish Crescent, south of Walnut Street.

It is noted that this project will include a scheduled seven day road closure on Riverside Drive at Cavendish Crescent for the installation of trunk storm sewers and trunk sanitary sewers. This work is anticipated to occur in early summer.

The Traffic and Parking By-law (PS-113) requires amendments (Appendix ‘D’) to on street parking as part of the 2019 construction project. The following amendments are proposed:

- Cavendish Crescent will implement a ‘2 Hour limit 8:00 a.m. to 6:00 p.m. Monday to Friday’ zone on the west side of Cavendish Crescent adjacent to Cavendish Park from 140 m south of Walnut Street to 20 m south of Walnut Street.

A review of the existing ‘No Parking Anytime’ signs and the Schedule 2 ‘No Parking’ By-law revealed some omissions and typographical errors which requires correction so that the existing and planned parking signs and regulations match the by-law.

Infrastructure replacement needs have been coordinated within the Environmental and Engineering Services Department. The funding for this project comes from the approved 2019 Wastewater and Treatment, Water, and Transportation Capital Works Budgets.

**Public Consultation**

A project update meeting was held on November 27, 2018 for all owners and residents within and immediately bordering the project area to address questions and concerns. This meeting was attend by a few property owners and school representatives. Residents inquired about the timing and duration of the Riverside Drive closure along with other project specifics concerning their property but were generally satisfied. Staff have been informed of a number of residents with special needs that will be accommodated throughout this construction contract.

**Service Replacement**

In conjunction with the construction of this project, the City is administering the Private Drain Connection (PDC) subsidy program, which allows property owners within the project limits an opportunity to voluntarily replace their PDC at a reduced cost. As part of this project, the water service connections will be replaced to the property line at the City’s cost and the property owner may elect to replace their private side connection at their own cost. Homeowners may also be eligible to participate in the Lead Service Extension Replacement Loan Program.

**Tender Summary**

Tenders for the 2019 Infrastructure Renewal Program Cavendish Crescent Phase 2 reconstruction project were opened on January 25, 2019. Seven (7) contractors submitted tender prices as listed below, excluding HST.

CONTRACTOR		TENDER PRICE SUBMITTED
1.	Bre-Ex Construction Incorporated	\$4,214,630.88
2.	CH Excavating (2013)	\$4,334,726.24
3.	L82 Construction Limited	\$4,459,875.69
4.	Omega Contractors Incorporated	\$4,715,448.59
5.	Birnam Excavating Ltd.	\$4,771,285.68
6.	Blue-Con Construction	\$5,414,955.19
7.	Sierra Infrastructure Inc	\$5,465,179.25

All tenders have been checked by the Environmental and Engineering Services Department and the City’s consultant, Spriet Associates. No mathematical errors were found.

The tender estimate just prior to tender opening was \$5,178,841.00, excluding HST. All tenders include a contingency allowance of \$400,000.00.

Additional annual transportation operating costs of \$153.00 are identified for new sidewalk installation. There are no additional operating costs associated with Water Operations or Sewer Operations.

### **Consulting Services**

Spriet Associates was awarded the detailed design fees by Council on June 14, 2016 and June 26, 2018. Due to the consultant's knowledge and positive performance on the project, Spriet Associates was invited to submit a proposal to carry out the contract administration and resident supervision. Spriet submitted a fee proposal of \$287,944.80 which includes a 10% contingency. Staff have reviewed the fee submission in detail considering the time allocated to each project task, along with hourly rates provided by each of the consultant's staff members. That review of assigned personnel, time per project task, and hourly rates is consistent with other infrastructure renewal program assignments of this scope and nature. The continued use of Spriet on this project for construction administration is of financial advantage to the City because Spriet has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected.

In addition to the financial advantage, there are also accountability and risk reduction benefits. The City requires a professional engineer to seal all construction drawings. These "record drawings" are created based on field verification and ongoing involvement by the professional engineer. This requirement promotes consultant accountability for the design of these projects, and correspondingly, reduces the City's overall risk exposure. Consequently, the continued use of the consultant who created and sealed the design drawings is required in order to maintain this accountability process and to manage risk.

In accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy, this firm has satisfactorily completed a substantial part of the project and is recommended for award of the balance of the project. The administration recommends that Spriet Associates be authorized to carry out the remainder of engineering services to complete this project for the provided fee estimate of \$287,944.80, excluding HST, noting the upset amount for total engineering services for the project is \$1,189,626.22, excluding HST. The total engineering services for this project include the design of the full length of the multiphase project, inspection fees for Phase 1 and inspection fees for Phase 2.

<b>CONCLUSIONS</b>
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Award of the 2019 Infrastructure Renewal Program, Cavendish Crescent Phase 2 reconstruction project to Bre-Ex Construction Inc. will allow the project objectives to be met within the available budget and schedule.

The use of Spriet Associates for the remainder of engineering services for this project is in the best financial and technical interests of the City.

Amendments are required to the Traffic and Parking By-law to allow parking along the east side of Cavendish Park.

**Acknowledgements**

This report was prepared within the Wastewater and Drainage Engineering Division by Crystal McQuinn, C.E.T., Technologist II, Doug Bolton, Senior Technologist and reviewed by Kyle Chambers, P. Eng., Environmental Services Engineer.

SUBMITTED BY:	REVIEWED & CONCURRED BY:
TOM COPELAND, P. ENG. DIVISION MANAGER WATER ENGINEERING DIVISION	SCOTT MATHERS, MPA, P. ENG. DIRECTOR WATER & 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’ – Project Location Map  
                 Appendix ‘C’ – Parking Changes Map  
                 Appendix ‘D’ – Traffic and Parking By-law

c.c.	Aaron Rozentals	John Freeman	Gary McDonald
	Doug MacRae	Ugo DeCandido	Bell Canada
	Bre-Ex Construction Inc.	Spriet Associates	Alan Dunbar
	Jason Davies	Chris Ginty	City Colicitor’s Office
	Parking Office		