

NO: R118

COUNCIL DATE: June 24, 2019

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## REGULAR COUNCIL

TO: **Mayor & Council** DATE: **June 20, 2019**

FROM: **Acting General Manager, Engineering** PROJECT FILE: **4818-052/11**

SUBJECT: **Award of Contract No. 4818-052-11**  
**Emergency Repair Work - Bolivar Creek Stormwater Chamber Replacement**

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## RECOMMENDATION

The Engineering Department recommends that Council:

1. Award Contract No. 4818-052-11 to Richco Contracting Ltd. in the amount of \$1,347,885.00 (including GST) for the replacement of the existing Bolivar Creek stormwater chamber (13307 King George Boulevard);
2. Set the expenditure authorization limit for Contract No. 4818-052-11 at \$1,482,673.50 (including contingency and GST); and
3. Authorize the General Manager, Engineering to execute Contract No. 4818-052-11.

## SCOPE OF WORK

The construction package related to this Contact consists of the replacement of the existing Bolivar Creek stormwater chamber, as a recent inspection discovered significant structural failures and signs of a future collapse. Emergency work has been completed to temporarily support the chamber until it is replaced through this Contract. The location of the stormwater chamber is illustrated on the map attached to this report as Appendix "I".

The Contract permits construction between 7:00 a.m. and 10:00 p.m. The Contract does not include an option for contractors to work 24-hours a day, 7-days a week, as there were no financial savings or time savings expected, as completing some key elements of the work 24-hours a day, 7-days a week would have resulted in additional equipment costs and labour premiums.

The Contract work is expected to start in July 2019 and be completed by September 2019.

## TENDER RESULTS

Tenders for the subject Contract were opened on May 28, 2019, with the following results:

<i>Contractor</i>	<i>Tendered Amount with GST</i>	<i>Corrected Amount</i>
1. Richco Contracting Ltd.	\$1,347,885.00	No Change
2. B. Cusano Contracting (2007) Inc.	\$1,863,891.75	No Change
3. J. Cote & Son Excavating Ltd.	\$2,601,774.00	No Change

The Engineer's (Urban System Ltd.) pre-tender estimate was \$530,000, including GST. The difference in the Engineer's pre-tender estimate and tendered amounts are a result of the complexity of this project and associated construction risks that the Engineer found challenging to quantify in the pre-tender estimate. Specifically, the work requires an approximately 10-metre deep excavation that is located in close proximity to a building foundation, necessitating specialized shoring. As well, during construction, a temporary diversion of Bolivar Creek flows to isolate the stormwater chamber is required through by-pass flow arrangements and back-up redundancies.

Given the difference between the Engineer's pre-tender estimate and the low bidder, a second estimate was obtained from another Engineering consultant. This estimate was \$1,293,467.96, including GST. The principle differences between the two estimates related to the costs associated with the excavation, shoring and bypass pumping.

## EVALUATION

The City's consultant reviewed the tender submissions for accuracy and completeness. No errors were found. All submissions included the required 10% bid bond, were signed on the Tender Form, and were initialled on the Summary Sheet of the Schedule of Quantities and Prices.

The low bidder, Richco Contracting Ltd., has provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond, and agreed to complete the work within 55 working days, as stipulated in the contract. Richco Contracting Ltd.'s past performance on similar work has been satisfactory and represents the best value to the City. They have no outstanding legal claims against the City.

Notwithstanding the significant difference in value between the Engineer's estimate and the low bidder, as the second estimate obtained aligns closely with the tendered amount provided by the low bidder, and that there is an immediate need to complete the Contract work, it is recommended that Richco Contracting Ltd. be awarded Contract No. 4818-052-11.

## SUSTAINABILITY CONSIDERATIONS

The work of this Contract supports the objectives of the City's Sustainability Charter 2.0. In particular, the project relates to the Sustainability Charter 2.0 the theme of Infrastructure. Specifically, this project supports the following Desired Outcome ("DO") and Strategic Direction ("SD"):

- All Infrastructure SD1: Proactively manage community assets to maintain them over the long-term in a state of good repair; and
- Infrastructure D03: City facilities and infrastructure systems are well managed, adaptable and long lasting, and are effectively integrated into regional systems.

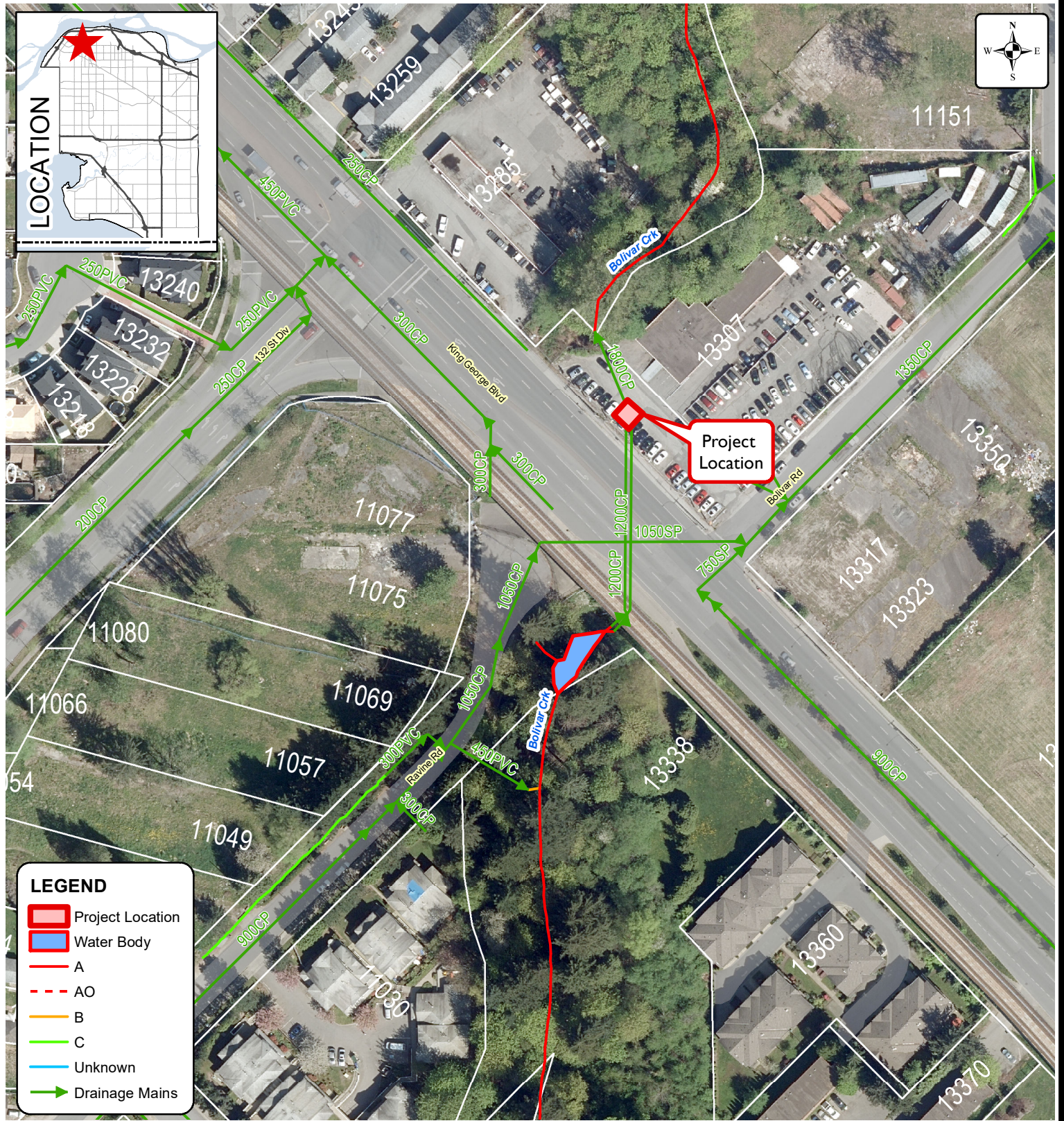
## FUNDING

Funding for this contract is available in the approved 2019 Drainage Budget.

Jaime Boan, P.Eng.  
Acting General Manager, Engineering

JA/VJ/GKC/cc

Appendix "I" – Map of Location – Contract No. 4818-052-11



Produced by GIS Section: 06-Jun-2019, C9W

Date of Aerial Photograph: April 27, 2018

Scale: 1:1,500



**Contract No. 4818-052-11  
Bolivar Creek Stormwater  
Chamber Replacement**

**ENGINEERING  
DEPARTMENT**

The data provided is compiled from various sources and IS NOT warranted as to its accuracy or sufficiency by the City of Surrey.  
This information is provided for information and convenience purposes only.  
Lot sizes, Legal descriptions and encumbrances must be confirmed at the Land Title Office.