

REGULAR COUNCIL

TO: **Mayor & Council** DATE: **May 30, 2016**
 FROM: **General Manager, Engineering** FILE: **4716-005/11**
 SUBJECT: **Award of Contract M.S. 4716-005-11**
Bridgeview Vacuum Sewer Replacement, Phases Three and Four

RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Award Contract M.S. 4716-005-11 to Tybo Contracting Ltd. in the amount of \$11,873,000.60, including GST, for construction of Bridgeview Vacuum Sewer Replacement, Phases Three and Four; and
2. Set the expenditure authorization limit for Contract M.S. 4716-005-11 at \$13,060,000.00, including GST and contingency.

SCOPE OF WORK

The construction package related to this contract consists of replacing the existing vacuum sanitary sewer network in east Bridgeview with a combination of gravity sewer and pump station, and a low pressure sewer (LPS) system. Phases one and two were completed under previous contracts. Phase three involves supply and construction of an LPS force main and service connections, and phase four involves supply and construction of a new pump station and a network of gravity sewers and service connections. The project locations are listed in the following table, which are also illustrated on the map attached to this report as Appendix "1":

Map Reference Number	Project #	Project Description	Location
1	4715-5070	Phase 3 – LPS Forcemain	North/South Limits: 115B Avenue to 113A Avenue East/West Limits: 126A Street to 129 Street
2	4714-5340	Phase 4 – Pump Station and Gravity Sewers	115B Avenue: 128 Street to 131 Street 115A Avenue: 12877 - 115A Avenue to 129 Street

The contract work is expected to start on July 4, 2016, and be completed by December 2017.

TENDER RESULTS

Tenders for the subject contract were opened on May 26, 2016 with the following results:

<i>Contractor</i>	<i>Tendered Amount with GST</i>	<i>Corrected Amount</i>
1. Tybo Contracting Ltd.	\$11,872,999.93	\$11,873,000.60
2. Pedre Contractors Ltd.	\$11,970,000.00	No Change
3. B. Cusano Contracting (2007) Inc.	\$12,980,698.50	\$12,980,761.50
4. Trittech Group Ltd.	\$14,059,428.08	No Change

The Engineer's (Stantec Consulting Ltd.) pre-tender estimate was \$12.2 million, including GST.

EVALUATION

The City's consultant reviewed the tender submissions for accuracy and completeness. There were two minor arithmetic errors that had no bearing on the outcome of the tender process. All submissions included the required 10% bid bond, were signed on the Tender Form, and were initialed on the Summary Sheet of the Schedule of Quantities and Prices.

The low bidder, Tybo Contracting Ltd., has provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond, and agreed to complete the work within 340 working days, as stipulated in the contract. Tybo Contracting Ltd.'s past performance on similar work has been satisfactory. They have no outstanding legal claims against the City. It is recommended that Tybo Contracting Ltd. be awarded Contract M.S. 4716-005-11.

SUSTAINABILITY CONSIDERATIONS

The works associated with this Contract will assist in achieving the objectives of the City's Sustainability Charter by:

- Minimizing the operational and maintenance costs for the sewer system in Bridgeview;
- Reducing extraneous inflow into the sewer system, which in turn reduces the energy consumption to pump and treat the sewage; and
- Reducing sewage flows to Metro Vancouver's trunk main which reduces the need for the construction of larger conveyance and treatment systems to handle the larger flows.

In particular, the sewer works support the following Charter Scope actions:

- EC2: Economic Development Strategy and an Employment Land Strategy;
- EC3: Sustainable Infrastructure Maintenance and Replacement; and
- EN8: Sustainable Engineering Standards and Practice.

FUNDING

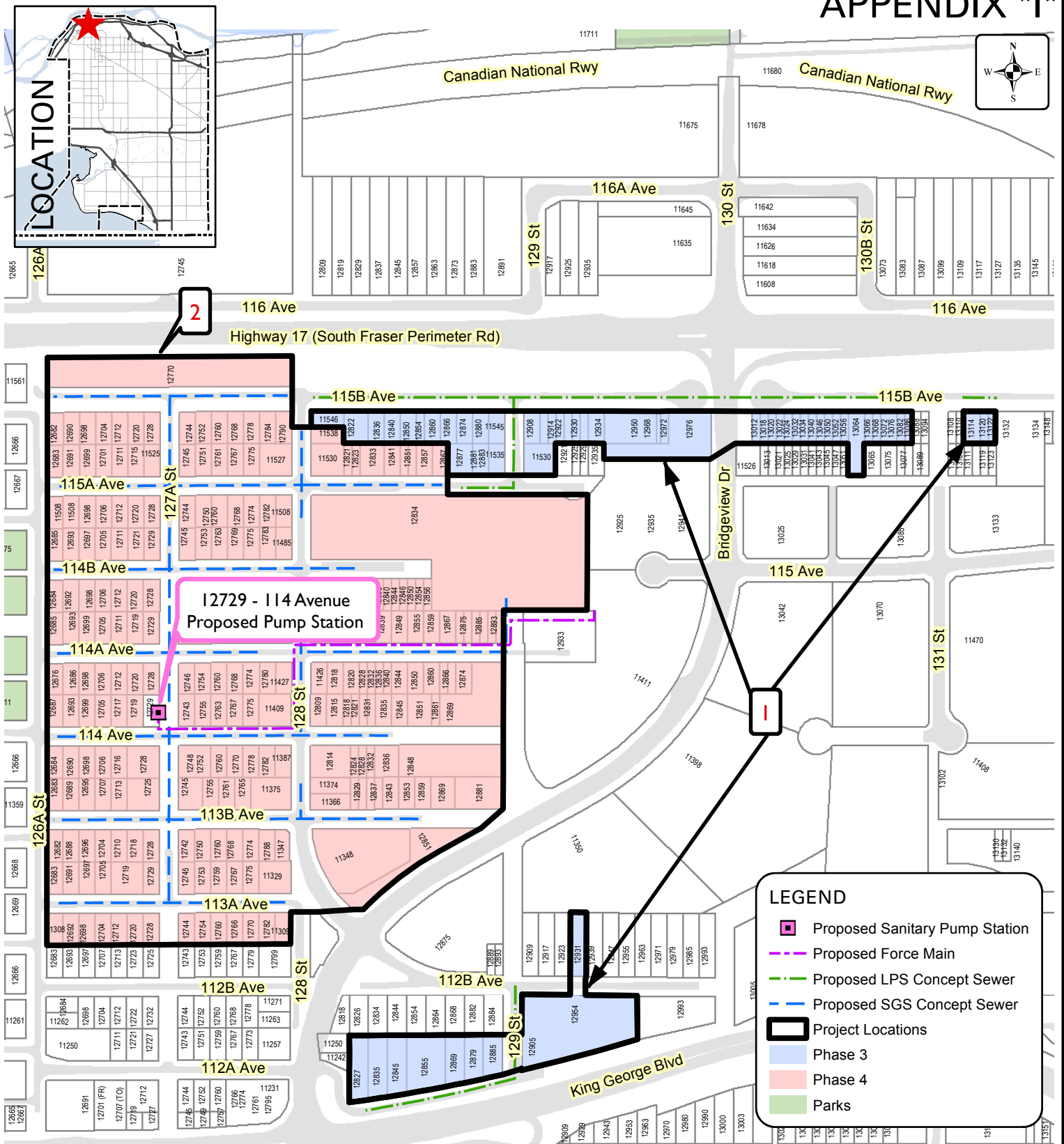
It is proposed that this work be carried out under a Council initiated local area service which is discussed in Corporate Report No. Ro43;2016. The City will fund the total project costs up front with the intention to recover approximately 47.38% through local service taxes, which is consistent with phases one and two. Funding for this contract is available in the approved 2016 sanitary sewer budget.

Fraser Smith, P.Eng., MBA
General Manager, Engineering

SBN/JWD/clr

Appendix "I" – Map of Locations – Contract M.S. 4716-005-11

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CONTRACT M.S. 4716-005-11 Bridgeview Phases Three and Four Vacuum Sewer Replacement

ENGINEERING DEPARTMENT