

NO: **R239** COUNCIL DATE: **November 26, 2012**

REGULAR COUNCIL

TO: **Mayor & Council** DATE: **November 21, 2012**
FROM: **General Manager, Engineering** PROJECT FILE: **4709-507**
SUBJECT: **Award of Contract M.S. 4709-507-11**
Bridgeview Vacuum Sanitary Sewer Replacement Works - Phase 2

RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Award Contract M.S. 4709-507-11 to Pedre Contractors Ltd. for Bridgeview vacuum sanitary sewer replacement works - Phase 2 in the amount of \$8,626,997.12, including HST; and
2. Set the expenditure authorization limit for Contract M.S. 4709-507-11 at \$9,490,000.00 including contingencies and HST.

SCOPE OF WORK

This contract involves Phase 2 of a program to replace an existing vacuum sewer system in Bridgeview. The Phase 2 area is illustrated on the map attached as Appendix I. The contract works include construction of 3645 metres of low pressure sewer, 312 metres of gravity sewer, an interim pump station, and 76 private grinder pumps. These works will be constructed at the following locations:

- Industrial Road and 116 Avenue from 112 Avenue to 132 Street;
- South side of King George Boulevard from Scott Road (east bound lane) to 128 Street;
- 112A Avenue from 126A Street to 128 Street;
- 112B Avenue from 126A Street to 128 Street;
- 123 Street from 112A Avenue to address 11297;
- 131 Street from 116 Avenue to 115 Avenue; and
- 127A Street from 112A Avenue to 112B Avenue.

The contract work is expected to start in January 2013 and be completed by December 2013.

BACKGROUND

During its Regular meeting on December 4, 2006 Council adopted the recommendations of Corporate Report No. R251; 2006, which set out a replacement strategy for the Bridgeview Vacuum Sewer System (VSS). The VSS has reached the end of its functional life. Its high operational and maintenance costs are borne by the Sewer Utility. The plan developed to replace the existing VSS includes a combination of low pressure sewers (LPS), gravity sewers and pump stations. The new system will provide reliable sanitary sewer service and will have a significantly lower life cycle cost to the City in comparison to the existing VSS system. Construction of the Phase 1 works was completed in 2011.

The completion of construction of the works in the Phase 2 area of Bridgeview will allow for the decommissioning of the remaining VSS in West Bridgeview and the West Bridgeview Vacuum Sewer Station. The Phase 2 works will also facilitate industrial development along the South Fraser Perimeter Road.

TENDER RESULTS

Tenders for the subject contract were opened on November 1, 2012, with the following results:

<i>Contractor</i>	<i>Tendered Amount with HST</i>	<i>Corrected Amount</i>
1. Pedre Contractors Ltd.	\$8,626,997.00	\$8,626,997.12
2. PW Trenchless Construction Inc.	\$8,923,107.20	No Change
3. TYBO Contracting Ltd.	\$11,877,578.63	\$11,877,019.15
4. Hyland Excavating Ltd.	\$12,426,496.32	\$12,425,376.32
5. Directional Mining and Drilling Ltd.	\$13,342,596.00	\$13,342,582.40

The Engineer's pre-tender estimate was \$8,614,435 including HST.

EVALUATION

The City's consultant reviewed the tender submissions for accuracy and completeness. Two tenders were incomplete and consequently were invalid. Of the remaining five valid tenders, four contained minor arithmetic errors that had no bearing on the outcome of the tender process. All submissions included the required 10% bid bond, and were signed and sealed on the Tender Form and Summary Sheet of the Schedule of Quantities and Prices.

The low bidder, Pedre Contractors Ltd., has provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond, and agreed to complete the work within 220 working days, as stipulated in the contract. Pedre Contractors Ltd. past performance on similar work has been satisfactory. They have no outstanding legal claims against the City. It is recommended that Pedre Contractors Ltd. be awarded Contract M.S. 4709-507-11.

SUSTAINABILITY CONSIDERATIONS

The works associated with the subject 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 required to pump and treat the sewage;
- Reducing the sewage flow to Metro Vancouver's trunk system and sewage treatment plant, which will reduce the need for additional construction resources to build larger conveyance and treatment systems to handle the larger flow; and
- Facilitating industrial developments in the Bridgeview area leading to increased employment in Surrey that will act to support the City's objective of having a balance between local jobs and resident workers in Surrey.

Specifically, the works being constructed under this contract will support the following goals of the City's Sustainability Charter:

- EC2: Economic Development Strategy and an Employment Land Strategy;
- EC3: Sustainable Infrastructure Maintenance and Replacement;
- EN1: Energy Efficiency;
- EN8: Sustainable Engineering Standards and Practice; and
- EN16: Land, Water and Air Quality Management.

FUNDING

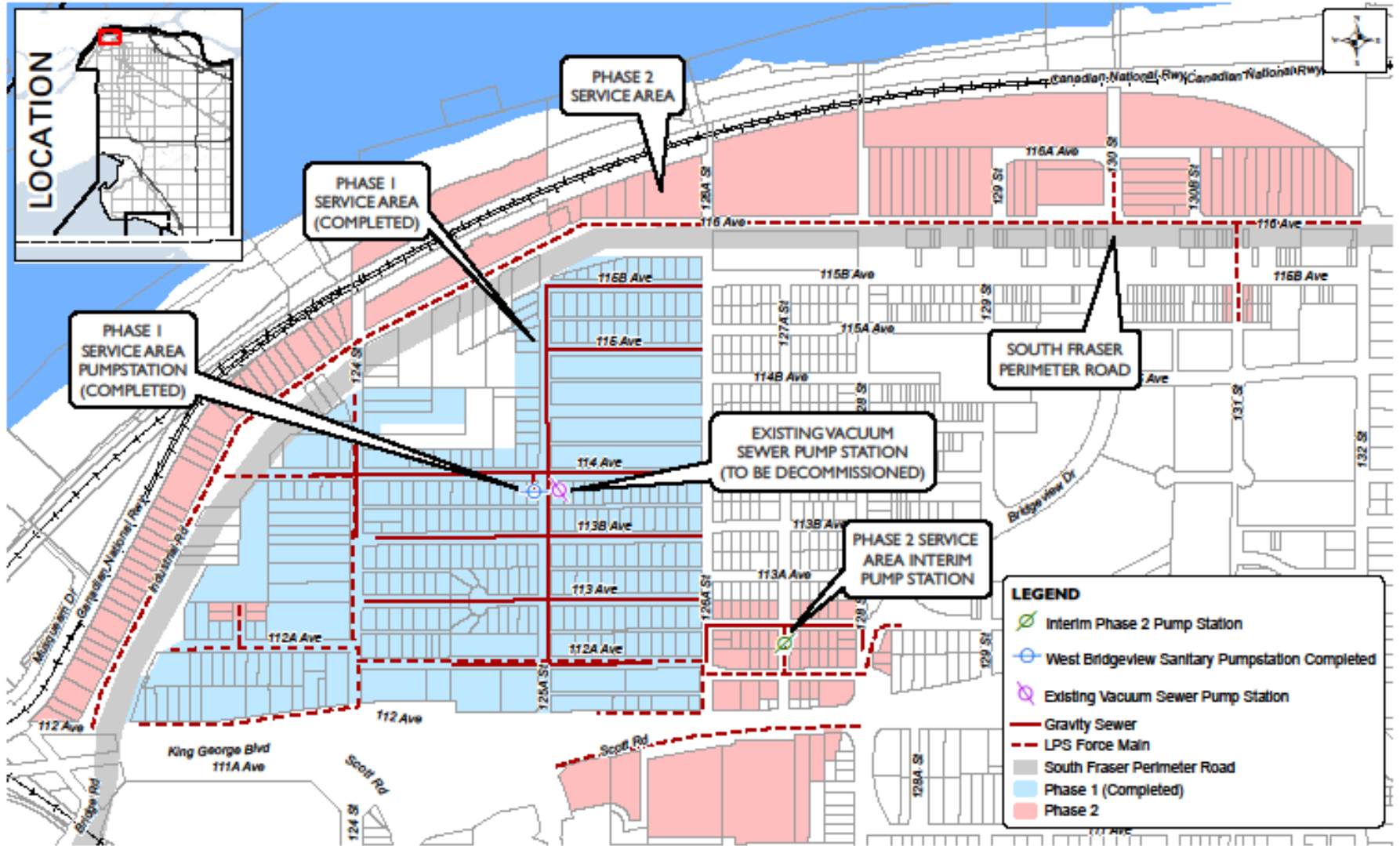
Funding for this contract is available in the approved 2012 Capital Budget.

Vincent Lalonde, P.Eng.
General Manager, Engineering

HL/brb

Appendix I – Bridgeview Phase 2 Vacuum Sewer Replacement Works

APPENDIX I



Produced by GIS Section: October 5, 2012, AW8



BRIDGEVIEW PHASE 2 VACUUM SEWER REPLACEMENT WORKS PROJECT 4709 - 507

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.

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