

NO: R120

COUNCIL DATE: June 7, 2010

REGULAR COUNCIL

TO: **Mayor & Council** DATE: **May 21, 2010**

FROM: **General Manager, Engineering** PROJECT FILE: **4706-452**

SUBJECT: **Award of Contract M.S. 4706-452-21**
Bridgeview West Cell Pump Station and Sanitary Sewer Works – Phase 1B

RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Award Contract M.S. 4706-452-21 for Bridgeview west cell pump station and sanitary sewer works – Phase 1B, to PCL Constructors Westcoast Inc. in the amount of \$7,404,485.59 including GST; and
2. Set the expenditure authorization limit for Contract M.S. 4706-452-21 at \$8,516,000.00 including GST/HST.

SCOPE OF WORK

The existing vacuum sewer system in Bridgeview has limited capacity and has reached the end of its functional life. It is unreliable and generates high operations and maintenance costs. A plan has been developed to replace this system with a combination of low pressure sewers, steep grade gravity sewers and pump stations.

An application by the City for funding assistance to the BC-Build Canada Infrastructure Fund was successful in the amount of \$5,666,666, being two-thirds of the estimated \$8.5 million cost to construct the replacement system in the West Cell area of Bridgeview (as illustrated on the map attached as Appendix I).

System replacement in the West Cell area has been split into two contracts: Phase 1 and Phase 1B. Phase 1, consisting of the construction of 1100 meters of steep grade sewer, was tendered and completed successfully in 2009 at a cost of \$1 million. Phase 1B will include the construction of the West Cell pump station, 2400 meters of steep grade gravity sewers, 2100 meters of low pressure sewers and sewer service connections, as generally illustrated on the map attached as Appendix I. The contract work on Phase 1B is expected to start in July 2010 and be completed by March 2011.

TENDER RESULTS

Tenders for the subject contract were opened on May 13, 2010, with the following results:

<i>Contractor</i>	<i>Tendered Amount with GST</i>	<i>Corrected Amount</i>
1. PCL Constructors Westcoast Inc.	\$6,941,705.00	\$6,941,705.24
2. Merletti Construction (1999) Ltd.	\$9,143,330.70	\$9,202,781.70
3. Sandpiper Contracting LLP	\$13,753,389.30	No Change

The Engineer's pre-tender estimate was \$7,181,255 including GST.

EVALUATION

The City's consultant reviewed the tender submissions for accuracy and completeness. One tender was incomplete and consequently was invalid. Of the remaining three valid tenders, two 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, PCL Constructors Westcoast Inc., has provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond, and agreed to complete the work within 145 working days, as stipulated in the contract. PCL Constructors Westcoast Inc.'s past performance on similar work has been satisfactory. They have no outstanding legal claims against the City. On this basis, it is recommended that PCL Constructors Westcoast Inc. be awarded Contract M.S. 4706-452-21.

SUSTAINABILITY CONSIDERATIONS

The replacement works are consistent with the Sustainability Charter in relation to:

- Minimizing the operational and maintenance costs for the sewer system in Bridgeview;
- Reducing the extraneous inflow into the sewer system, which in turn reduces the energy consumption to pump and treat the sewage;
- Reducing sewage flows, which mitigates the sanitary sewer overflows in the Metro Vancouver's trunk system and thereby reducing the need for the construction of larger conveyance and treatment systems to handle the larger flows; and
- Facilitating industrial developments in the Bridgeview area that will increase employment in Surrey in support of the City's objective to have a balance between local jobs and resident workers.

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;
- EN1: Energy Efficiency;
- EN2: Waste Reduction;
- EN8: Sustainable Engineering Standards and Practice; and
- EN16: Land, Water and Air Quality Management.

FUNDING

Funding for the City's share of this contract is available in the approved 2010 Budget, and a portion of this cost will be recovered from the two Local Area Services for the Bridgeview West Cell Sewer System as approved by Council in relation to Council's consideration on October 5, 2009 of Corporate Report Nos. R180 and R181. The remainder of the contract funding will be achieved by way of the grant in the amount of \$5,666,666 from the B.C.-Build Canada Infrastructure Fund.

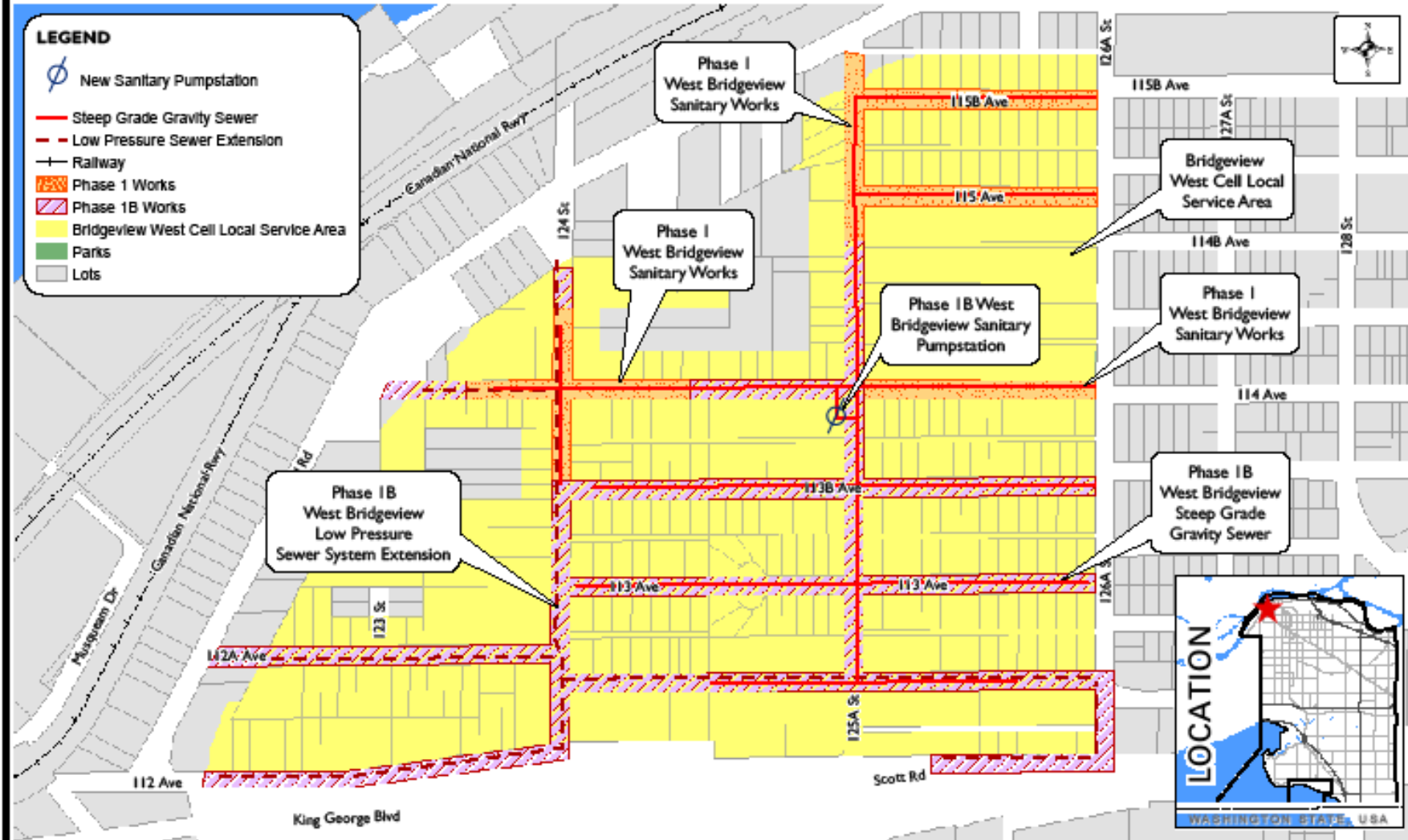
Vincent Lalonde, P.Eng.
General Manager, Engineering

KZ/HL/brb

Appendix I – Map of Bridgeview West Cell Pump Station and Sanitary Sewer Works – Phase 1B

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APPENDIX I



Produced by GIS Section: May 7, 2010, AW

Date of Aerial Photography: April 2009



BRIDGEVIEW WEST CELL SANITARY WORKS NEW PUMP STATION, STEEP GRADE GRAVITY SEWER AND LOW PRESSURE SYSTEM PHASE 1B WORK - PROJECT 4706-452

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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