

**REGULAR COUNCIL**

**TO: Mayor & Council** **DATE: June 6, 2017**

**FROM: General Manager, Engineering** **FILE: 4717-001/01**

**SUBJECT: Award of Contract M.S. 4717-001-11**  
**104 Avenue Sewer Upgrade and Pump Station Works**

---

**RECOMMENDATION**

The Engineering Department recommends that Council:

1. Award Contract M.S. 4717-001-11 to Pedre Contractors Ltd. in the amount of \$4,127,287.50, including GST, for the 104 Avenue Sewer Upgrade and Pump Station Works;
2. Set the expenditure authorization limit for Contract M.S. 4717-001-11 at \$4,600,000.00, including GST and contingency; and
3. Authorize the General Manager, Engineering to execute Contract M.S. 4717-001-11.

**SCOPE OF WORK**

The existing Big Bend pump station, located at 104 Avenue and 176 Street, services the Port Kells and east Fraser Heights areas. The 40-year-old pump station, located in the Fraser River floodplain, is in need of rehabilitation, seismic upgrade and preferably relocation to mitigate risk of flooding.

In late 2016, Metro Vancouver lowered the hydraulic grade line (“HGL”) in their sewer by 10 metres, which now allows the City to divert 90% of flows from the existing Big Bend pump station directly to Metro Vancouver’s North Surrey Interceptor (“NSI”) via a new gravity sewer along 104 Avenue. This significant reduction in pumping requirements will reduce the City’s operational and maintenance costs, and provides the City with an opportune time to replace the existing pump station with two smaller, newer facilities that are located outside of the floodplain, in lieu of significant rehabilitation works. The proposed pump station facilities will be located at 17337 - 104A Avenue (New Big Bend pump station) and 177A Street near Daly Road (Daly Road pump station). These pump stations will service the properties that cannot connect to the gravity sewer due to the minimum basement elevations being below the NSI HGL.

The proposed pump stations and sanitary sewer are illustrated on the map attached to this report as Appendix “I”.

The contract work is expected to start on July 10, 2017 and be completed by April 2018.

## TENDER RESULTS

Tenders for the subject contract were opened on May 19, 2017 with the following results:

<i>Contractor</i>	<i>Tendered Amount with GST</i>	<i>Corrected Amount</i>
1. Pedre Contractors Ltd.	\$4,131,487.50	\$4,127,287.50
2. Tybo Contracting Ltd.	\$5,622,750.00	No Change

The Engineer's (Omni Engineering Inc.) pre-tender estimate was \$4,250,000.00 including GST.

## EVALUATION

The City's consultant reviewed the tender submissions for accuracy and completeness. There was one arithmetic error 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, 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 120 working days, as stipulated in the contract. Pedre Contractors Ltd.'s 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. 4717-001-11.

## SUSTAINABILITY CONSIDERATIONS

The work of this contract supports the City's Sustainability Charter. In particular, this contract relates to the Sustainability Charter theme of Infrastructure by reducing infrastructure maintenance and replacement costs. Specifically, this contract supports the following Desired Outcomes:

- All Infrastructure DO1: City facilities and infrastructure systems are well managed, adaptable and long lasting, and are effectively Integrated into regional systems; and
- All Infrastructure DO2: Infrastructure systems provide safe, reliable and affordable services.

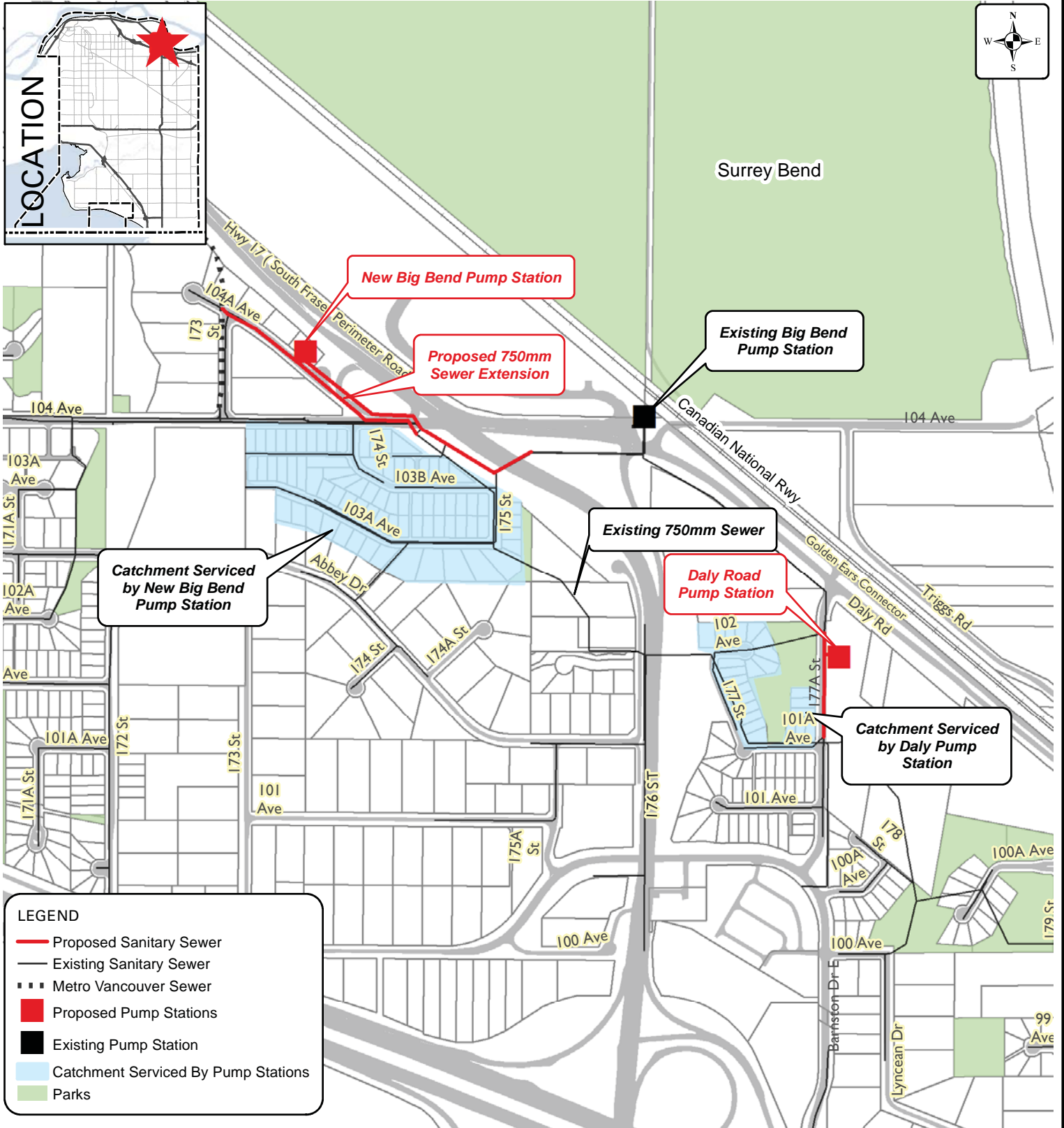
## FUNDING

Funding for this contract is available in the approved 2017 Sanitary Budget.

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

FS/SBN/TB/cc

Appendix "I" – Map of Location – Contract M.S. 4717-001-11



## CONTRACT M.S. 4717-001-11 104 Avenue Sewer Upgrade and Pump Station Works

ENGINEERING  
DEPARTMENT