



**The Corporation of the City of Cornwall**  
**Regular Meeting of Council**  
**Report**

Department: Financial Services  
Division: Purchasing  
Report Number: 2019-202-Financial Services  
Prepared By: Diane Leduc, Senior Buyer  
Meeting Date: October 28, 2019  
Subject: Tender 19-T68 Fennell Crescent Pumping Station Upgrades

**Purpose**

To obtain costing for the reconstruction of the Fennell Crescent Pumping Station as well as SCADA and miscellaneous upgrades at both the Queen Street and Harbour Road Pumping Stations.

**Recommendation**

That Tender 19-T68 be awarded to Clarence McDonald Excavation Limited, from St. Andrews West, Ontario, at the total bid price of \$2,229,783.80 (net cost to the Corporation - \$2,007,989.38) being the best bid meeting the tender specifications.

**Financial Implications**

The proposed upgrades to the Fennell Crescent, Queen Street, and Harbour Road Pumping Stations were included in the 2016 Wastewater Budget at \$1,100,000 and the projects were to be financed as a component of the Cornwall Blueprint Flood Reduction Program. Currently, \$11.5M of the \$13.35M budget for the Cornwall Blueprint Flood Reduction Program has been spent to date. The proposed upgrades to the Fennell Crescent, Queen Street, and Harbour Road Pumping Stations are the last remaining capital projects funded from the Blueprint program. Funding related to this project will be financed and the Corporation will only borrowed what is required.

## **Background / Discussion**

The existing Fennell Crescent Pumping Station is a duplex submersible sewage pumping station, which was constructed in 1970 to support further residential development in the area. In 2013, the Corporation retained GENIVAR Inc. (now WSP Group) to analyze the September 2010 flooding that occurred in various parts of the City. As a part of the assignment, GENIVAR was tasked with completing detailed condition assessments of all City pumping stations. As detailed in the Condition Assessments, the existing Fennell Crescent Pumping Station had numerous health and safety issues as well as many code compliance issues. The 2013 Condition Assessment recommended the following work at the Fennell Crescent Pumping Station:

- rehabilitation and/or reconstruction of the existing wet-well;
- all miscellaneous metals to be replaced (ie. hatches, ladders, platforms, guiderails, etc.);
- all process piping, pumps and appurtenances to be replaced;
- control panel to be replaced with a PLC based system that is wirelessly connected to the City's SCADA network; and
- the addition of stand-by power (generator) if land became available.

In 2018, the Corporation retained EVB Engineering (EVB) to undertake a Schedule B Environmental Assessment (EA), detailed design and construction administration services for the Fennell Crescent Pumping Station Upgrades. Through the EA process, EVB recommended that the City purchase a residential home located adjacent to the existing pumping station in order to construct a completely new pumping station, controls building, metering chamber, and stand-by generator. Although more expensive than the rehabilitation of the existing pumping station presented in the 2013 GENIVAR report, the construction of a completely new pumping station would provide the best value for funds expended. The EA was presented to and supported by Council at the April 9, 2019, meeting.

The Queen Street and Harbour Road Pumping Stations are duplex submersible sewage pumping stations constructed in 1993 and 1994, respectively. At both pumping stations, the control panels need to be replaced with PLC based systems that are wirelessly networked to the Corporation's SCADA system, which will provide the capability of both, monitoring and controlling the pumping stations remotely via the SCADA network.



The work for this project includes the construction of a completely new pumping station at the Fennell Crescent Pumping Station as well as SCADA and miscellaneous upgrades to both the Queen Street and Harbour Road Pumping Stations.

The following tenders were received and opened:

**Clarence McDonald Excavation Limited, St. Andrews West, Ontario**

Bid Price: \$1,973,260.00

HST: \$256,523.80

Total bid Price: \$2,229,783.80

**Black and McDonald Limited, Ottawa, Ontario**

Bid Price: \$2,243,000.00

HST: \$291,590.00

Total Bid Price: \$2,534,590.00

**Seaway Construction Management Incorporated, Gananoque, Ontario**

Bid Price: \$3,684,732.00

HST: \$479,015.16

Total Bid Price: \$4,163,747.16

Document Title:	Tender 19-T68 - 2019-202-Financial Services.docx
Attachments:	
Final Approval Date:	Oct 24, 2019

This report and all of its attachments were approved and signed as outlined below:

**Bill de Wit - Oct 23, 2019 - 9:38 AM**

**Tracey Bailey - Oct 24, 2019 - 10:57 AM**

**Maureen Adams - Oct 24, 2019 - 11:27 AM**