

Section II – Items for Executive Action

TO: Chair and Members of the Executive Committee
Friday, June 11, 2021 Meeting

FROM: Richard Ubbens, Director, Conservation Parks and Lands

RE: **CLAIREVILLE CONSERVATION AREA INDIAN LINE CAMPGROUND DUMP STATION SEWAGE SYSTEM REPLACEMENT**
Extension of Contract No.10033306

KEY ISSUE

Extension of Contract No.10033306 for General Contractor services for the replacement of the dump station wet well system servicing the Claireville Conservation Area Indian Line Campground in the City of Brampton, Region of Peel.

RECOMMENDATION

WHEREAS Toronto and Region Conservation Authority (TRCA) solicited quotations through a competitive process in 2020 for General Contractor services for the replacement of the dump station wet well system at Claireville Conservation Area Indian Line Campground and awarded contract #10033306 to Rapid Plumbing Inc. for a total of \$180,400, plus 20% contingency (approximately \$36,080), plus applicable taxes;

WHEREAS TRCA encountered unforeseen site conditions that were further compounded by supply chain delays on manufacturing equipment requiring additional expenses for on-site measures to contain the discharge of sewage and off-site disposal for the duration of the project;

WHEREAS TRCA has exhausted the entire amount of the awarded contract, including the contingency, and the proposed extension would push the procurement over the \$250,000 threshold, which, in accordance with Section 5.3 of TRCA's procurement policy, requires approval and reporting to the Executive Committee;

THEREFORE, LET IT BE RESOLVED THAT TRCA staff be directed to further extend contract #10033306 for the replacement of the dump station and wet well system for an additional cost of \$47,508, plus applicable taxes, for the total contract value not to exceed \$263,988 plus applicable taxes;

AND FURTHER THAT authorized TRCA officials be directed to take whatever action may be required to implement the contract extension, including obtaining any necessary approvals and the signing and execution of any documents.

BACKGROUND

The Claireville Conservation Area, Indian Line Campground Dump Station (wet well) sewage system was constructed in the late 1960's and was at the end of its useful life. The campground currently accommodates 2 public washroom buildings, a swimming pool building, 2 office buildings, 2 sanitary clean outs, a residential property and approximately 80 serviced camp sites, all of which have sanitary facilities. Sewage at the facility all collects in the dump station and is then pumped by electric 5 hp submersible pumps into the municipal wastewater system.

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The system was operating with a single pump despite the system design requiring two (2) operable pumps. The design ensured that high flows can be appropriately managed in peak season and, in normal or low season, the system is equipped with 100% redundancy. Following a catastrophic failure to the second pump in 2019, operations staff arranged for the wet well chamber to be pumped out manually to remove and investigate the deficient pump. During the removal it was determined that the internal steel access work and service landings had deteriorated to a point that it was no longer safe to enter the wet well. This health and safety concern combined with the system only running a single pump which could fail at any point rendered the pumping station completely inoperable.

A mechanical engineer (Calder Engineering) was retained in June of 2019 through an RFP process to perform an assessment of the existing conditions and develop detailed design drawings to fully replace the dump station that adhered to the most recent building code requirements. Due to the absence of the original engineering drawings for the system, a full survey was completed and formed the basis of new drawings. Campground operations are closed from November to May providing an opportunity to commence the work with no disruptions to users. Design work was finalized, and a building permit was obtained to carry out the work.

The Request for Tender package was advertised publicly on Biddingo.com on August 26th, 2020. Mandatory site meetings were held on September 2nd at 11:00 a.m. and 1:00 p.m. to accommodate the Provincial guidelines for social distancing. The tender closed on September 18th, 2020 with three bid submissions. Rapid Plumbing Inc. was awarded the work and was approved by the Chief Executive Officer in accordance with TRCA's procurement policy.

RATIONALE

The contract was being implemented during the closure of Claireville Conservation Area Indian Line Campground. During the early stages of the work, an active cross sewer connection was discovered that was tied to a rental home on the property. This sewer was previously thought to have been discharging into an independent septic system. With the unforeseen presence of raw sewage into the site, Health and Safety and environmental impact concerns arose. With an open excavation, TRCA and the General Contractor proposed a mitigation plan for a new bypass setup to contain the discharge into a holding tank with removal and disposal off-site at the appropriate depot. These unforeseen issues and resultant extra work resulted in extra time and expense to the project.

In addition, the equipment ordered from the manufacturer, Xylem, was delayed. The manufacturer cited slowdowns due to the Provincial shutdowns and supply chain backorders. The equipment was to arrive in late January to early February and the General Contractor was further notified of another delay that would have pushed project completion into the opening of the campground. TRCA expressed concerns directly to the manufacturer as expenses to contain the sewage would continue to mount until the equipment was installed and the project delays would disrupt seasonal opening of the campground. The manufacturer subsequently agreed to cover the costs to temporarily run the dump station on generator until delivery of the equipment. In mid-April the final equipment was delivered, and the General Contractor completed their tasks to fully commission the system in early May 2021.

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Relationship to Building the Living City, the TRCA 2013-2022 Strategic Plan

This report supports the following strategic priority set forth in the TRCA 2013-2022 Strategic Plan:

Strategy 7 – Build partnerships and new business models

Strategy 11 – Invest in our staff

Strategy 1 – Green the Toronto region’s economy

FINANCIAL DETAILS

Funds for the contract are identified in account 006-62 Asset Management.

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