

Section II – Items for Executive Action

TO: Chair and Members of the Executive Committee
Meeting #4/19, Friday, May 03, 2019

FROM: Moranne McDonnell, Director, Restoration and Infrastructure

RE: **GAFFNEY PARK SLOPE STABILIZATION AND DRAINAGE PROJECT, CITY OF TORONTO**
CONTRACT #10003045 - DETAILED DESIGN AND QUALITY VERIFICATION ENGINEERING (QVE) SERVICES FOR THE INSTALLATION OF A SLOPE STABILIZATION AND DRAINAGE SYSTEM

KEY ISSUE

Extension of Contract #10003045 previously awarded to EXP Services Inc. to provide an additional twenty five (25) Quality Verification Engineering (QVE) inspections for the drainage improvements at the Gaffney Park Slope Stabilization and Drainage Project, in the City of Toronto.

RECOMMENDATION

THAT Contract #10003045 for the completion of detailed designs and Quality Verification Engineering (QVE) services for slope stabilization and drainage works along the face of the slope in Gaffney Park previously awarded to EXP Services Inc. be extended to include an additional twenty-five (25) QVE inspections at a total cost of \$18,750.00, plus HST, for a revised total contract amount of \$103,700.00, plus HST.

BACKGROUND

The project is located within Gaffney Park, southeast of the intersection of Rockcliffe Boulevard and Terry Drive. The work area extends from the eastern property line of 1 Terry Drive to the western property line of 11A Terry Drive for a length of approximately 90m. The slope is between 10 to 13 metres in height and contains a chain link fence delineating private and public property for the entire length of the Gaffney Park Trail. The upper 4 meters of the slope is located on City of Toronto property while the lower portion of the slope is located in the backyards of the residential properties on Terry Drive.

In 2014, the City of Toronto requested TRCA's assistance with the planning, design, and construction of a solution to address the slope failure and erosion concerns occurring at the rear of the properties between 1-11A Terry Drive. The houses are located at the bottom of the slope and failure of the wooden retaining wall and upper slope on City property would likely impact the usability of the rear yards of Terry Drive residents. The project was split up into 3 phases as outlined below.

Phase 1 of the project was completed in spring 2016 and included a topographic survey, detailed slope stability assessment, preliminary concepts and public consultation. TRCA hosted two public meetings and was unable to come to a consensus with the residents on an approach that included working on private property to stabilize the slope. As such, a modified approach that was limited to City property was selected as the preferred approach for this project.

Phase 2 included retaining a consultant to design the slope stabilization works and subsequent tendering for a contractor to implement the approved design. EXP Services Inc. was retained as the consultant under contract #10003045 at a total cost of \$83,650.00, plus a contingency of

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10% (\$8,365.00). Provisional pricing for QVE and inspections during construction was awarded as part of this contract, but the scope of services required was preliminary as the design and construction schedule still had to be developed. The final detailed designs for slope stabilization and drainage works were received in January 2018. In April 2018, CSL Group Ltd. was retained as the contractor to implement the remedial works under contract #10007289, which was previously approved at the September 28th, 2018 Authority Meeting (#07/18).

The Phase 3 scope of work included the preparation and distribution of the Notice of Construction (NOC) to the local Councillor's office and residents, installation of project information signage prior to construction, implementation of the final remedial works by CSL Group Ltd., tendering support and construction oversight services by EXP Services Inc.; and contract management and post-construction surveying by TRCA.

RATIONALE

Following award of Contract #10007289 to CSL, an updated construction schedule was provided to TRCA that included dividing the work into two phases. The first phase involved the slope stabilization works and the second phase focused on the drainage/stormwater improvements.

Upon review of the schedule by TRCA staff and Exp Services Inc., it was determined by TRCA and EXP Services Inc. that the preliminary pricing for QVE services provided during the design RFP stage would be sufficient to cover one of the phases only based on the milestones in CSL's schedule. Exp Services Inc. requested that an additional twenty-five (25) full-time QVE inspections be approved to accommodate the inspection of the drainage/stormwater improvements.

As the successful Consultant for Contract #10003045, Exp Services Inc. has prepared the detailed designs for the project and has completed QVE inspections for the slope stabilization component to the satisfaction of TRCA staff. TRCA deemed the quote of \$18,750.00, plus HST, for twenty-five (25) additional QVE inspections to be fair and reasonable in comparison to similar projects and based on the scope of work required to complete the tasks.

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. TRCA has completed similar work on behalf of the City of Toronto multiple times allowing us to demonstrate TRCA's expertise in slope stabilization and stormwater management, thereby increasing TRCA's financial resilience.

Strategy 2 – Manage our regional water resources for current and future generations. The proposed works will address existing drainage issues to reduce the risk of future slope failures stemming from severe rainfall events, thereby protecting park infrastructure and the safety of park users from the hazards of erosion.

FINANCIAL DETAILS

The cost of this project is fully recoverable from the City of Toronto within Account #185-78, and the City of Toronto has provided written approval for this contract extension.

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