

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF MAY 23, 2018

Item 6, Report No. 5, of the Finance, Administration and Audit Committee, which was adopted without amendment by the Council of the City of Vaughan on May 23, 2018.

6 SLOPE STABILIZATION CHERRY HILLS ROAD OPEN SPACE

The Finance, Administration and Audit Committee recommends approval of the recommendation contained in the following report of the Deputy City Manager, Planning & Growth Management, dated May 7, 2018:

Recommendations

1. That a new capital project be established in the amount of \$75,000 inclusive of administration recovery and applicable taxes to be funded from the Gas Tax Reserve.
2. That staff be authorized to enter into an agreement with the Toronto and Region Conservation Authority to implement the required engineering review, design and consultation in accordance with their March 8, 2018 proposal (Attachment 2) at a cost not to exceed \$75,000 including tax and contingency allowance;
3. That inclusion of this matter on a Public Committee or Council agenda with respect to amending the 2018 capital budget be endorsed as meeting the requirements for sufficient notice pursuant to Section 2(1) (c) of By-Law 394-2002 as amended.

(A copy of the attachments referred to in the following report have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)

Item:



Finance, Administration and Audit Committee Report

DATE: Monday, May 07, 2018

WARD(S): 5

TITLE: Slope Stabilization Cherry Hills Road Open Space

FROM:

Jason Schmidt-Shoukri, Deputy City Manager, Planning & Growth Management

ACTION: DECISION

Purpose

To obtain Council approval to establish a new capital project for engineering review and preliminary design for slope stabilization in the open space behind private residential properties at 2 and 6 Cherry Hills Road.

Report Highlights

- Slope stabilization is required at City-owned open space near Cherry Hills Road to protect adjacent private property from damage
- The first step in this project is to conduct an engineering review and preliminary design
- Staff seeks approval of a new capital project to fund this work and approval to enter agreement with TRCA to undertake this project on behalf of the City
- A capital budget request for the detailed design and construction phase of this project will be included in a future budget submission for consideration

Recommendations

1. That a new capital project be established in the amount of \$75,000 inclusive of administration recovery and applicable taxes to be funded from the Gas Tax Reserve.

2. That staff be authorized to enter into an agreement with the Toronto and Region Conservation Authority to implement the required engineering review, design and consultation in accordance with their March 8, 2018 proposal (Attachment 2) at a cost not to exceed \$75,000 including tax and contingency allowance;
3. That inclusion of this matter on a Public Committee or Council agenda with respect to amending the 2018 capital budget be endorsed as meeting the requirements for sufficient notice pursuant to Section 2(1) (c) of By-Law 394-2002 as amended.

Background

Slope instability within City-owned open space is affecting the rear yards of private residential properties on Cherry Hills Road. A location map of the area is appended as Attachment 1. Slope conditions continue to deteriorate and remediation of this area is required immediately to prevent damage and loss to private property. The location of the required works falls within the Toronto and Region Conservation Authority (TRCA) regulated area of the Don River watershed.

The open space area near Cherry Hills Road is a challenging construction environment because of significant existing vegetation, steep slopes and restricted site access.

Previous Reports/Authority

Not Applicable.

Analysis and Options

Parks Development staff reviewed the area of slope instability with TRCA staff to obtain advice and to determine the extent of work required to stabilize the slope. Based on the TRCA's experience with similar situations, several options for undertaking this work were identified and recommendations provided for the next steps required to stabilize the erosion in this area. A proposal from the TRCA to undertake the required work was returned on March 8, 2018 and is appended as Attachment 2.

The recommendations are summarized as follows;

1. A site-specific report shall be prepared to determine the cause of the slope erosion near Cherry Hills Rd.
2. The site-specific report will investigate possible options for the remedial work near Cherry Hills Rd. and make recommendation of a preferred option. Each option will include a site specific conceptual sketch and provide evaluation of the practicality, cost and long-term performance. The most appropriate option as deemed by the City will be selected.

3. The selected option will be developed to include site specific drawings that identify the proposed remedial work, the extent of the work, and the necessary details. This information must be sufficient enough for the City or City's agent to prepare detailed construction documentation.

It is proposed that this project be implemented in two phases;

Phase 1: Site Specific Engineering Review, Design & Consultation – detailed engineering to complete borehole samples, acquire and review survey information, preliminary screening for anticipated permits and approvals, develop options, risk analysis, cost estimates, recommendations, lead negotiations and agreements with adjacent residents for the slope stabilization near Cherry Hills Rd.

Phase 2: Site Specific Detailed Design & Construction – detailed design and construction of erosion stabilization works required to mitigate further erosion and stabilize the slope near Cherry Hills Rd.

Following completion of Phase 1, staff will review and provide recommendations for consideration of Phase 2 as part of the 2019 Capital Budget process.

The benefits of the recommendations contained within this report, including the recommendation to partner with the TRCA include:

1. Reduced project cost and staff administration
2. Streamlined design, permit and agreement process
3. Reduced impact to adjacent residents
4. Vested interest in quality and value through TRCA's stewardship of the Don River watershed area
5. TRCA experience and expertise with projects of similar scope and complexity
6. Improved efficiency of future construction due to TRCA involvement at design phase

Financial Impact

The Gas Tax Reserve has sufficient funds to accommodate *Phase 1: Site Specific Engineering Review, Design & Consultation* costs of \$75,000. Upon completion of Phase 1 works, staff will provide recommendations for consideration of Phase 2: *Site Specific Detailed Design & Construction* as part of the 2019 Capital Budget Request process.

Broader Regional Impacts/Considerations

There are no Regional implications.

Conclusion

Slope stabilization works are required within City-owned open space near Cherry Hills Road to mitigate damage to private property. The area is a challenging construction environment because of significant existing vegetation, steep slopes, restricted site access and TRCA regulation of the watershed.

Staff is seeking Council approval to enter into an agreement with the TRCA to undertake the required engineering review, design and consultation phase of this project in 2018 to be followed by a future capital budget submission for the construction phase. The TRCA has the experience, specialized expertise and capability to undertake this project in partnership with the City.

This report was prepared in consultation with the Chief Financial Officer & City Treasurer, the Interim Director of Financial Planning & Development Finance, the Director of Procurement Services, the Director of Transportation Services, Parks and Forestry Operations and the Director of Environmental Services.

For more information, please contact: Richard Fournier, Project Manager, Parks Development, ext.8102

Attachments

1. Location Map
2. TRCA Advisory Letter, Dated March 8, 2018

Prepared by

Richard Fournier, Project Manager, Parks Development, ext.8102