

Municipality of Lakeshore – Report to Council

Operations

Engineering & Infrastructure



To: Mayor & Members of Council

From: Marco Villella, P.Eng. Division Leader – Engineering and Infrastructure

Date: March 13, 2023

Subject: Tender Award – Stormwater Management Facility Sediment Removal and Maintenance

Recommendation

Award the tender for the Stormwater Management Facility Sediment Removal and Maintenance to Nevan Construction Inc. for a total project cost of \$403,727.71 including applicable HST, as presented at the April 4, 2023 Council Meeting.

Background

The Stormwater Master Plan, Phase 1 confirmed the importance of undergoing routine maintenance on stormwater management facilities (SWMF) (i.e., ponds) throughout the Municipality to remove any accumulated sediment (approximately every 10 years) to ensure the facility continues to function as designed. In addition to sediment, over time, vegetation growth, erosion and debris also has an impact to the overall functioning of the stormwater management facility.

Stormwater management facility condition assessments were conducted by a consultant in 2022. These assessments were completed on following five (5) facilities:

1. Amtec Industrial SWMF, constructed in 1998, located on Patillo Road at Little Baseline Road;
2. Chelsea Park SWMF, constructed in 2003, located at 1008 Huntington Boulevard;
3. King-Emery SWMF, constructed in 2004, located at 1174 Josha Court;
4. Maidstone Industrial SWMF, constructed in 1988, located on Patillo Road at County Road 22; and
5. River Ridge SWMF, constructed in 2005, located on Puce Road, at Oakwood Avenue.

The long-term plan is to undertake assessments on 5 ponds every 5 years, and then further undertake maintenance on a 5-year plan, with 1 pond being completed every year, until all facilities receive maintenance. Currently Lakeshore has 24 stormwater management facilities (ponds), thus maintenance on each pond will occur every 25

years, pending the sediment accumulation results and the overall functioning of the facility.

Based on the assessment findings from 2022, it was recommended that Amtec Industrial SWMF and Chelsea Park SWMF be prioritized for sediment removal and that the remaining facilities be completed in future years.

To undertake this work Council approved the following:

- In 2022, a total budget of \$300,000 for Storm Pond Sediment Removal as part of the capital budget under the Stormwater Reserve.
- In 2023, a total budget of \$300,000 for Storm Pond Maintenance as part of the capital budget under the Stormwater Reserve.

Comments

The Stormwater Management Facility Sediment Removal and Maintenance tender was publicly advertised on Bids & Tenders on Tuesday, December 20, 2022. Four (4) compliant bids were received prior to the closing date on Friday March 17, 2023.

Below is a summary of the tender submissions received:

Bidder	Tender Amount (excluding HST)	Tender Amount (including applicable HST)
Nevan Construction Inc.	\$396,745.00	\$403,727.71
Murray Mills Excavating & Trucking (Sarnia) Ltd.	\$499,786.00	\$508,582.23
Rudak Excavating Inc.	\$521,400.00	\$530,576.64
Cannon Hydrovac Inc.	\$1,225,666.52	\$1,247,238.25

Administration has reviewed all tender documents and has found them to be complete. Nevan Construction Inc. has the experience, expertise, and equipment to complete this project. Administration recommends awarding the tender for the Stormwater Management Facility Sediment Removal and Maintenance to Nevan Construction Inc.

Financial Impacts

The following table summarizes the project costs and associated funding sources for this project:

Stormwater Management Facility Sediment Removal and Maintenance	Project cost (including applicable HST)	Budget (surplus/deficit)
Assessment of Five (5) Stormwater Management Facilities (undertaken in 2022)	\$30,293.95	
SWMF Sediment Removal and Maintenance Tender Amount (Amtec Industrial and Chelsea Park)	\$403,727.71	
Engineering, Inspection and Contract Administration	\$36,267.26	
Total Project Costs	\$470,288.92	
Storm Pond Sediment Removal (2022 Budget)		\$300,000.00
Storm Pond Maintenance (2023 Budget)		\$300,000.00
Total Budget Costs		\$600,000.00
Surplus		\$129,711.08

Based on a total project cost of \$470,288.92 (including applicable HST), this leaves a surplus of \$129,711.08.

The remaining budget dollars will go back in the stormwater reserve for future use (2024 budget) to continue to undertake maintenance on the remaining stormwater management facilities. These will get prioritized as outlined in the condition assessments.

Report Approval Details

Document Title:	Tender Award - Stormwater Management Facility Sediment Removal and Maintenance.docx
Attachments:	
Final Approval Date:	Mar 27, 2023

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

Prepared by Marco Villella

Submitted by Krystal Kalbol

Approved by Justin Rousseau and Truper McBride