

# Municipality of Lakeshore - Report to Council

## Engineering & Infrastructure Services

### Drainage Services



**To:** Mayor & Members of Council  
**From:** Jill Fiorito, Drainage Superintendent  
**Date:** March 29, 2021  
**Subject:** Tender Award for 10th Concession Drain (Bank Repairs)

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### Recommendation

Award the tender for the 10th Concession Drain (Bank Repairs) to Darrell Dick Excavating in the amount of \$85,951.20 (plus HST), as presented in the April 20, 2021 Council report.

### Background

The 10<sup>th</sup> Concession Drain comprises of an open drain generally located south of County Road 42, extending from an outlet in the Pike Creek Drain easterly to Scott Sideroad and southerly on the south side of North Rear Road and easterly to the upstream end near Lakeshore Road 101 in the former Township of Maidstone.

A signed request under Section 78 of the *Drainage Act* for drainage improvements on the 10<sup>th</sup> Concession Drain (Bank Repairs) was received on August 7<sup>th</sup> 2019. The last major works on this drain was completed under an Engineer's report prepared by C.G. Russell Armstrong in 1969. Since this time the drain has significantly deteriorated and is in need of repair.

Over the years, numerous culverts have been installed in the 10<sup>th</sup> Concession Drain but no major bank restoration/repairs have taken place. The work under this project generally consists of improvements to the existing drain on the outlet portion for approximately 270 metres. The work on the drain section being improved includes the removal of existing concrete pieces and debris that are not functioning as bank protection, brushing and tree removal, re-sloping of the east bank, the installation of drop inlets on the bank at key locations including ditch inlet catch basins and creating concrete block bank protection (comprising of mats with quarried limestone on filter cloth at the top and toe of the slope).

In order to stabilize the east bank of the 10<sup>th</sup> Concession Drain, the bank will need to be cut back to achieve a slope of 2 horizontal to 1 vertical to meet current standards. This requires widening of the drain. To help protect the drain bank, a 1.0 metre wide grass buffer will be constructed along the work section of the drain. Compensation will be given to owner/s for lands that needs to be taken to carry out the drain widening and bank stabilization as well as to obtain the grass buffer.

## Comments

A drainage report was completed by Rood Engineering dated August 31<sup>st</sup> 2020 and the above project was publicly advertised on the Municipality of Lakeshore's Bids and Tenders website on January 20<sup>th</sup> 2021. Tenders closed on March 19<sup>th</sup>, 2021.

The following 4 tenders (excluding HST) were received:

<b>Tenderer</b>	<b>Tender Amount (excl. HST)</b>
Darrell Dick Excavating Limited.	\$85,951.20
Nevan Construction Inc.	\$169,450.00
Rivard Excavating and Bulldozing Limited	\$151,420.00
Goodreau Excavating Limited	\$106,550.00

Rood Engineering Limited reviewed the four bids and found them to be complete and no mathematical errors were found.

The Engineer's Report Estimate for this project was \$137,000.00 (excluding HST). The tender from Darrell Dick Excavating Limited amount is well below the Engineers Estimate by approximately 37%. Darrell Dick Excavating has completed drainage works around the Chatham-Kent area since the early 1980s.

Administration is satisfied that the low tenderer has the required equipment and labour expertise to undertake this project and recommends that Council award the above-noted tender to Darrell Dick Excavating Limited.

## Others Consulted

Rood Engineering Limited and Essex Regional Conservation Authority were consulted through the tender process.

## Financial Impacts

The project costs are as follows:

<b>10<sup>th</sup> Concession Drain (Bank Repairs)</b>	<b>Total Cost</b>
Construction Tendered Cost	\$85,951.20
Engineering and Incidentals	\$48,200.00
Non Refundable HST	\$2,361.06
<b>Total Cost of Construction</b>	<b>\$136,512.26</b>

<b>Funding Source</b>	<b>Total</b>
Estimated Landowner Assessment ( <i>as per Drainage Report</i> )	\$120,137.59
Estimated Assessment to Municipality ( <i>as per Drainage Report</i> )	\$16,374.67
<b>Total Funding</b>	<b>\$136,512.26</b>

As per the above, the Municipalities share of these costs has been assessed at \$16,374.67. Funding for this project exists in the Roads share of draining reserve.

Based on the foregoing, Administration recommends that Council proceed with awarding the tender to Darrell Dick Excavating Limited in the amount of \$85,951.20 (plus HST).

## Report Approval Details

Document Title:	10th Concession Drain (Bank Repair).docx
Attachments:	
Final Approval Date:	Apr 13, 2021

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

Krystal Kalbol

Rosanna Pellerito

Kristen Newman

Truper McBride