

**Municipality of Chatham-Kent**  
**Infrastructure and Engineering Services**  
**Engineering Division**

**To:** Mayor and Members of Council

**From:** Brigán Barlow, C.Tech  
Manager, Drainage

**Date:** September 12, 2023

**Subject:** RFP Award - Contract R23-259 - Harrison Drain Improvements in the  
Community of Ridgetown

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**Recommendations**

It is recommended that:

1. The Request for Proposal R23-259 Harrison Drain Improvements, in the Community of Ridgetown, be awarded to Henry Heyink Construction Ltd. in the amount of \$958,861.50 (including HST).
2. The Mayor and Clerk be authorized to sign the necessary agreement.

**Background**

The Harrison Drain is an open municipal drain beginning at its outlet into the McGregor Creek Drain in the former community of Howard Township, west of Scane Road and north of McLarty Line, continuing south-east to its top end in the former community of Ridgetown, north of Industrial Avenue and west of Marsh Street. The overall length of the Harrison Drain is approximately 8,100 meters and serves a watershed area of approximately 2,700 hectares (6,671 Acres). Portions of the drain within the former community of Ridgetown have been enclosed at unknown times, including through Victoria Park.



Figure 1 – Harrison Drain through the community of Ridgetown.

The Harrison Drain has been significantly improved under the provisions of The Drainage Act. The most recent improvements were completed by a drainage report dated February 7, 1997, prepared by Enio P. Sullo, P.Eng., and included channel restoration, brushing, and cleaning of approximately 4,000 meters downstream of Ridgetown through the former Howard Township. No records or drainage reports have been located for the length of drain within the boundaries of Ridgetown including any information related to the enclosed portions.

In 2020, Ecosystem Recovery Inc., in collaboration with RC Spencer Associates were retained by Chatham-Kent to complete a Storm Water Master Plan for Ridgetown. During the study and public consultations, several areas were identified within the community as being deficient either in capacity, condition, or both. The Harrison Drain

enclosure through Victoria Park was identified as being deficient in both capacity and existing condition. In May 2022, sporadic holes in the ground were identified in the park along the existing drain enclosure. It was determined that the enclosure had begun to reach a state of failure and requires replacement. Consequently, Spriet Associates was appointed to prepare a drainage report under Section 78 of the Drainage Act for replacement and improvement of the enclosure, as well as the upstream and downstream drain crossings which were both also determined to be deficient in capacity.

As a result of survey and design work conducted by the consultant Spriet Associates, several site meetings were held, and multiple proposals were reviewed with the affected landowners and staff. A drainage report prepared by J.M. Spriet, P.Eng., was submitted to the Chatham-Kent Drainage Board on July 12, 2023. This drainage report has designed the Harrison Drain in this location, to accommodate a storm event with a return period of 5 years, in accordance with the requirements of the Storm Water Master Plan Study. The drainage report was presented at the Meeting to Consider at the August 8, 2023, Drainage Board Meeting. No written or verbal appeals were received, and the report was recommended for 1<sup>st</sup> and 2<sup>nd</sup> Reading of the By-Law. The Court of Revision was held on September 5, 2023, and received no appeals. The third reading of the by-law by Council will occur on September 25, 2023.

### **Comments**

The proposed work consists of approximately 254 lineal meters of open ditch reconstruction including quarry stone shot rock bank protection, construction of an access culvert, approximately 217 lineal meters of 2700 mm diameter C.S.P. culvert and 3300 mm x 2080 mm C.S.P. pipe arch. The above work includes the replacement of the Harrison Drain crossing under Morgan Street and the former CSX Railway rail bed, through Victoria Park, as well as the replacement of an undersized residential crossing immediately downstream of the Erie Street drain crossing. The proposal also includes the installation of a concrete junction box with a weir and knockout for future connection to storm water management facilities recommended through the Storm Water Master Plan Study.

In accordance with Purchasing By-law #166-2020, the request for proposals was advertised on July 28, 2023, and closed on August 17, 2023. A total of 24 potential bidders (including contractors, sub-contractors, and suppliers) obtained a copy of the contract document from the Chatham-Kent Bids & Tenders website, and eight (8) proposal bids were received and evaluated. The proposals were received using a two-email system, with the fee schedule submitted in a separate email and opened by the panel only after the technical ratings had been determined. Three (3) proposal bids did not meet the minimum technical qualifications and therefore were not ranked. The bid results and ranking are outlined in Table 1.

**Table 1: Summary of Evaluation Scores**

Rank	Submitting Firm	Location	Final Score
1.	Henry Heyink Construction Ltd.	Chatham	878.3
2.	Gillier Drainage	Thamesville	816.8
3.	Mark G Contracting	Tilbury	773.7
4.	Clarke Construction	Blenheim	714.2
5.	McNally Excavating	Inwood	703.2

The proposal submitted by Henry Heyink Construction Ltd. illustrated the project experience, methodology, and completion timelines necessary to initiate and successfully complete the project. Based on the panel review process, the proposal submitted by Henry Heyink Construction Ltd. was deemed to be the preferred submission, ranked highest by the panel as identified in Table 1. The proposals submitted by Cassidy Construction, Murray Mills Excavating, and New Day Construction did not meet all the technical qualifications of the proposal and therefore their financial proposal was not opened.

**Areas of Strategic Focus**

This report supports the following areas of strategic focus:

			
<b>Economic Prosperity</b>	<b>Healthy &amp; Safe Community</b>	<b>People &amp; Culture</b>	<b>Environmental Sustainability</b>
1.1			

**Consultation**

The proposals were received by the Purchasing Division and reviewed by the Engineering Division, Infrastructure and Engineering Services. Proposals were reviewed, evaluated, and ranked by a panel consisting of three members of the Infrastructure and Engineering Services Department.

**Communication**

The request for proposal documents were posted on the Bids & Tenders website for prospective contractors to review. Unsuccessful bidders will be notified by the Purchasing Division through the Bids & Tenders website.

Affected landowners will be included in preconstruction meetings with the successful bidder, consultant, and staff to minimize disturbance to their schedules and properties. Construction signage will be implemented in accordance with Ontario Traffic Manual Book 7 to inform residents of traffic impacts. Lane closure notices associated with the work in this contract will be issued.

**Diversity, Equity, Inclusion and Justice (DEIJ)**

This report does not have implications related to diversity, equity, inclusion, or justice.

**Financial Implications**

**Table 3: Recommended Costs and Funding Summary**

<b>Description</b>	<b>Total</b>
<b>A) Recommended Costs</b>	
Recommended Proposal	\$848,550.00
Plus 13% HST	\$110,311.50
<b>Total Cost (with HST)</b>	<b>\$958,861.50</b>
Less 11.24% HST	\$95,377.02
<b>Sub-Total Recommended Costs</b>	<b>\$863,484.48</b>
<b>C) Recommended Funding</b>	
Urban Drainage Assessment Account	\$863,484.48
<b>Total Recommended Funding</b>	<b>\$863,484.48</b>

The total current project costs listed above will be funded from the Urban Drainage Assessment Account.

Prepared by:

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Reviewed by:

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Marissa Mascaro, P.Eng., Director, Engineering

Edward Soldo, P.Eng., General Manager, Infrastructure and Engineering Services

Consulted and confirmed the content of the consultation section of the report by:

Jennifer Scherle, Manager, Purchasing and Accounts Payable