



MUNICIPALITY OF **West Elgin**

Staff Report

Report To: Council Meeting

From: Lee Gosnell, Manager of Operations & Community Services

Date: 2021-03-25

Subject: West Lorne Sanitary Sewer Capacity Study

Recommendation:

That West Elgin Council hereby receives the report from Lee Gosnell, Manager of Operations & Community Services; and

That West Elgin Council approve completion of a sanitary capacity study for the town of West Lorne to be completed by Spriet Associates at cost of up to \$22,000 plus applicable taxes.

Purpose:

The purpose of this report is to begin the process of completing a sanitary sewer review in the town of West Lorne, which will provide the necessary information for maintenance and proposed/future development in the area.

Background:

Recent interest in development within the West Lorne settlement area has generated the need for more reliable data when it comes to servicing requests. While water and wastewater treatment capabilities are more easily verified, wastewater collection capacity is largely unknown. This information is critical when planning maintenance, replacement or expansion of sanitary infrastructure within West Lorne. The following project quote was submitted by Spriet Associates for Council's review –

“Good morning: As requested, included in this email is a summary of proposed work and related Quotation to prepare a Sanitary Sewer Capacity Study within the Town of West Lorne. We are of the understanding that preparation of this Sanitary Study is urgent and critical to both analyze the current capacity of the existing sanitary sewer system and to address anticipated sanitary demands from proposed developments within the Town of West Lorne. We are prepared to commence works on this Study immediately and propose completion of the Study within 2-3 months of authorization.

We are of the understanding that the bulk of the existing West Lorne Sanitary Sewer System was constructed in the early 1970's in accordance with As-Constructed Drawings prepared for Ontario Water Resources Commission. While acknowledging that we have a copy of these drawings at our office for reference, we will need to rely on West Elgin records and related “As-Constructed” drawings of all sanitary sewers constructed from the early 1970's to present day. If West Elgin records are not sufficient and complete to denote construction of all sanitary sewers within this time period (approximately 50 years), we would need to perform on site surveying of related Maintenance holes to confirm sewer locations, lengths, depth, diameter and orientation of the

related sewers within these specific areas. Included within this Quotation is time for our staff to review recently completed Sanitary sewer videos you have completed within West Lorne, the extent of which has not been provided to Spriet.

As you know, SPRIET has been heavily involved in the past 10-20 years with design and construction administration of many West Elgin Reconstruction projects within West Lorne, including numerous Road, Sewer and Watermain Infrastructure Renewal projects. We are currently in the final stages of completion of a Sanitary and Storm Sewer Capacity Study within the Town of Watford and recently completed a Storm Sewer Capacity Study in the Town of Wardsville.

We believe that the extent of our current and past experience with regard to preparation of Sewer Capacity Studies in other Municipalities will provide significant benefit in both timely and accurate completion of the proposed Sanitary Sewer Capacity Study in West Lorne.

Our quotation to perform all works related to the West Lorne Sanitary Sewer Capacity Study is \$15,000 - \$22,000 (excl. HST)."

Financial Implications:

Staff feel that Spriet Associates familiarity with sanitary infrastructure in West Lorne will benefit the municipality by providing a complete and accurate assessment of the required information. Funds for this review project will be taken from the Ontario Invests – Improved Service Delivery and Efficiency Grant.

Report Approval Details

Document Title:	West Lorne Sanitary Sewer Capacity Study - 2021-11-Operations Community Services.docx
Attachments:	
Final Approval Date:	Mar 23, 2021

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

Jana Nethercott