

SAULSBURY WEST DRAIN 2022 – ADDENDUM

Municipality of Strathroy-Caradoc



SPRIET
ASSOCIATES
ENGINEERS & ARCHITECTS
155 York Street
London, Ontario N6A 1A8
Tel. (519) 672-4100
Fax (519) 433-9351
Email: mail@spriet.on.ca
www.spriet.on.ca

London, Ontario
July 25, 2023

SAULSBURY WEST DRAIN 2022 - ADDENDUM

Municipality of Strathroy-Caradoc

To the Mayor and Council of
The Municipality of Strathroy-Caradoc

Mayor and Council:

We are pleased to present our report on the amendment to the construction of the Saulsbury West Municipal Drain serving parts of Lots 20 and 21, Concession 4 S.E.R. (geographic Adelaide) in the Municipality of Strathroy-Caradoc and parts of Lots 19 to 21, Concession 3 S.E.R. (geographic Adelaide) in the Township of Adelaide Metcalfe. The total watershed area contains approximately 62 hectares.

AUTHORIZATION

This report was prepared pursuant to Section 78 of the Drainage Act. Instructions were received from your Municipality with respect to a motion of Council. The work was initiated by a request for minor improvement signed by the affected landowners however, Section 78 is required to accommodate the request.

HISTORY

The affected portion of the Saulsbury West Drain was originally adopted pursuant to a report submitted by M. P. DeVos., P. Eng. dated August 10, 2022 and consisted of approximately 60 lineal meters of open ditch construction and 345 lineal meters of 450mm to 900mm HDPE sewer pipe, including related appurtenances.

EXISTING DRAINAGE CONDITIONS

At a site meeting held with respect to the project and through later discussions, the owners reported the following:

- that the affected owner has revised their stormwater management strategy and therefore have revised the pipe design which was included in the previous report which has been reviewed and accepted by the municipality
- that the by-law should be amended to include the revised design and drawings



DESIGN CRITERIA AND CONSIDERATIONS

The capacity of the system has been designed to accommodate the release flows from a stormwater management facility with a staged release for all storms. The design also accommodated Saulsbury Street and adjacent residential properties at a 5-year level. The Subdivision and all release flows have been reviewed and approved by the municipality.

RECOMMENDATIONS

We are therefore recommending the following:

- that the revised drawing No. 1, dated July 25 2023 and the drawings prepared by Stantec which are sealed by D. Vucetic on June 22, 2023 shall be included as part of the Saulsbury West Municipal Drain and replace the drawings provided in the Aug. 10 2022 report

SUMMARY OF PROPOSED WORK AND DRAWINGS

The proposed work consists of construction 511 lineal meters of 525mm dia. to 1200mm HDPE sewer pipe and 60 meters of open channel. Stantec drawing No. 8,9,10,20 and 21 forms part of this report. They show and describes in detail the location and extent of the work to be done and the lands which are affected.

ESTIMATE AND ASSESSMENT

The cost to prepare this report is estimated at \$3,463.00 plus Harmonized Sales Tax. As per the Aug. 10 2022 report all cost associated with this project, we assess to the developing property (Roll # 120-011). It is to be noted that the cost of this report is not eligible for the Provincial Agricultural Grant.

MAINTENANCE

Upon completion of construction, all owners are hereby made aware of Sections 80 and 82 of the Drainage Act which forbid the obstruction of or damage or injury to a municipal drain.

After completion, the Saulsbury West Drain 2022 - Addendum shall be maintained by the Municipality of Strathroy-Caradoc at their cost.

Respectfully submitted,

SPRIET ASSOCIATES LIMITED PROFESSIONAL ENGINEERS



M.P. DeVos, P. Eng.



MPD:ms

