

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JUNE 18, 2019
FROM:	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER
SUBJECT:	CONSTRUCTION OF THE CRINKLAW-SCOTT AND BRANCH 'D' OF THE HAMPTON-SCOTT MUNICIPAL DRAINS (ES482517)

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental and Engineering Services & City Engineer the following actions **BE TAKEN** with respect to the construction of the Crinklaw-Scott and Branch 'D' of the Hampton-Scott Municipal Drains:

- (a) the drainage reports, attached as Appendix 'A', prepared by Spriet Associates London Ltd, Consulting Engineers for the construction of the Crinklaw-Scott and Branch 'D' of the Hampton-Scott Municipal Drains **BE ADOPTED**; and it being noted the notice of the meeting was provided to the benefitting property owners in accordance with the provisions of Section 41 of the *Drainage Act*; and,
- (b) the proposed by-laws attached as Appendix 'B' **BE INTRODUCED** at the Council meeting on June 25, 2019 and **BE GIVEN** two readings to authorize the construction of the Crinklaw-Scott and Branch 'D' of the Hampton-Scott Municipal Drains projects, it being noted that the third reading and enactment of the by-law would occur after the holding of the Court of Revision in connection with the project.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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None

2019-23 STRATEGIC PLAN

This report aligns with the Strategic Plan's "Building a Sustainable City" strategic area of focus by supporting the following expected results:

- Improve London's resiliency to respond to potential future challenges;
- Build infrastructure to support future development and protect the environment; and
- Maintain or increase current levels of service; manage the infrastructure gap for all assets.

BACKGROUND

Purpose

The purpose of this report is to undertake the steps out lined in the *Drainage Act* to authorize the construction of Crinklaw-Scott Municipal Drain and Branch 'D' and Branch 'D' of the Hampton-Scott Municipal Drains.

Context

The Province's *Drainage Act* governs the creation and management of Municipal Drains. A Municipal Drain is a channel, ditch, or closed pipe constructed to provide drainage and prevent flooding within predominantly rural agricultural areas. These drains are constructed, operated, and maintained by municipalities in accordance with

the terms and conditions defined by the *Drainage Act*. Each benefitting property owner has the ability to petition for improvements to be made to a Municipal Drain and contributes its share towards the project.

In order to undertake the construction of the drains, the *Drainage Act* requires a Council resolution to adopt the drainage reports and enact the related by-laws. An assessment was undertaken to review drainage conditions in the area due to concerns with surface flooding. Based on this assessment, remedial works to the drains were designed within the area requiring drainage contained in the watersheds. The proposed work was initiated by a petition from the affected property owners. The submitted petitions represents a sufficient number of property owners within the watersheds to trigger the construction of drainage works as outlined in the *Drainage Act*. The engineer's report also provides an allocation of the construction costs for the drain to the various benefitting land owners.

DISCUSSION

The benefitting area to be serviced by these two new Municipal Drains is generally located south of the Highway 401 and north of Dingman Drive between Highbury Avenue and the east limits of the City, in an area that is primarily agricultural lands. There have been historical instances of surface flooding on properties within the watersheds of both drains. Please refer to Appendix 'C'-1 – Location Map Crinklaw-Scott Drain and Appendix 'C'-2 Location Map Hampton-Scott Drain.

The Drainage reports for the Crinklaw-Scott and Branch 'D' of the Hampton-Scott Municipal Drains were prepared pursuant to Section 4 of the *Drainage Act*. The request for drainage improvements were studied by Spriet Associates London Limited and are documented in the Engineer's Report. The report includes technical specifications for construction, cost estimates and an assessment of costs to benefitting property owners, in accordance with the provisions of the *Drainage Act*. This report provides an estimated construction costs of \$44,100.00 and \$81,700.00. The report also provides an assessment schedule indicating how the construction costs are to be divided up amongst the benefitting land owners. Generally speaking, the estimated breakdowns are shown in the tables below.

Table 1A: Schedule of Assessment, Crinklaw-Scott Drain				
	Total Assessment	Provincial Grants	Allowance	Approximate Net
City of London Property Owners	\$25,681.00	\$8,560.00	\$4,680.00	\$12,441.00
Municipality of Thames Centre Property Owners	\$17,874.00	\$5,893.00	\$80.00	\$11,901.00
Municipality of Thames Centre Dingman Drive	\$545.00	-	-	\$545.00
Total	\$44,100.00	\$14,453.00	\$4,760.00	\$24,887.00

Table 1B: Schedule of Assessment, Hampton-Scott Drain-Branch 'D'				
	Total Assessment	Provincial Grants	Allowance	Approximate Net
City of London Property Owners	\$54,516.00	\$16,677.00	\$12,610.00	\$25,229.00
City of London Roads	\$4,091.00	-	-	\$4,091.00
Hydro One & MTO	\$22,519.00	-	-	\$22,519.00

City of London	\$574.00	-	-	\$574.00
Total	\$81,700.00	\$16,677.00	\$12,610.00	\$52,413.00

A copy of the applicable Engineer's Reports and drawings have been provided to the landowners and is included as Appendix 'A'1-Crinklaw-Scott Engineer's Report and Appendix 'A'2-Hampton-Scott Engineer's Report.

Drainage Act Requirements

The *Drainage Act* requires a meeting to consider the Drainage Report prior to the adoption of the Engineer's Report and this committee meeting will serve that purpose. All assessed property owners have been notified of this meeting and have been given the opportunity to express their concerns or pose questions. There is a further opportunity to appeal their assessment prior to construction through the Court of Revision, scheduled for July 2019. Representatives from Spriet Associates London Limited will also attend the meeting to answer any questions regarding the Drainage Report.

The adoption of the municipal drain report and the passing of the associated by-law is an important step towards ensuring access to provincial grants from the Ministry of Agriculture and Food and Rural Affairs, which presently contributes one-third of the total gross costs assessed to agricultural land.

CONCLUSIONS

The drains, when constructed, will be of great benefit to the lands and roads through which they run and will provide an improved outlet to the lands and roads within the watershed. Once City Council approves the construction of the Crinklaw-Scott and Branch 'D' of the Hampton-Scott Municipal Drains projects as set out in the Drainage Report governed by the *Drainage Act*, a tender for these works will be issued and construction undertaken.

Acknowledgements

This report was prepared within the Stormwater Engineering Division by Don Simpson, City of London Drainage Superintendent.

PREPARED BY:	REVIEWED AND CONCURRED BY:
SHAWNA CHAMBERS, P.ENG., DPA DIVISION MANAGER STORMWATER ENGINEERING	SCOTT MATHERS, MPA, P.ENG. DIRECTOR WATER, WASTEWATER AND TREATMENT
RECOMMENDED BY:	
KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL AND ENGINEERING SERVICES & CITY ENGINEER	

- Attach:

Appendix 'A'-1 -- Engineer's Report Crinklaw-Scott Drain
Appendix 'A'-2 -- Engineer's Report Hampton-Scott Drain
Appendix 'B'-1 -- By-law Crinklaw-Scott Drain
Appendix 'B'-2 -- By-law Hampton-Scott Drain

Appendix 'C'-1 – Location Map Crinklaw-Scott Drain
Appendix 'C'-2 – Location Map Hampton-Scott Drain

C.c. Patrick Santagapita, Local Improvement and Assessment Analyst
Mike DeVos, Spriet Associates London Limited