



The Corporation of the Town of Tecumseh

Public Works & Environmental Services

To: Mayor and Members of Council

From: Phil Bartnik, Director Public Works & Environmental Services

Date to Council: December 10, 2019

Report Number: PWES-2019-50

Subject: Storm Drainage Master Plan
Study Completion and Final Adoption

Recommendations

It is recommended:

That the Storm Drainage Master Plan, Municipal Class Environmental Assessment Schedule B, **be adopted.**

Background

The Storm Drainage Master Plan addresses the impacts of surface flooding on the mainly urbanized residential areas of the Town of Tecumseh (Town) located along the northern and eastern limits of the municipality. This includes the assessment of storm pump stations, gravity outfalls and the respective service areas minor (sewer) and major (roadway) systems discharging to Lake St. Clair and Pike Creek.

The Town has undertaken this Storm Drainage Master Plan to confirm the long-term storm drainage infrastructure solutions that are required to address the risks of surface flooding in the northern urban communities. The Study Area is depicted on the attached map.

At the June 25, 2019 Regular Meeting of Council, Council received Report No. PWES-2019-35 titled "Storm Drainage Master Plan Filing the Notice of Study Completion" and subsequently authorized Administration to advertise the Notice of Completion in the local newspaper and the Town's website and social media accounts to initiate the mandatory 30-day public review period (Motion: SCM-17/19).

Municipal Class Environmental Assessment (Class EA) – Master Plan Process

Master Plans are long-range plans which integrate infrastructure requirements for existing and future land use with environmental assessment planning principles. The plans examine an infrastructure system(s) or group of related projects to outline a framework for planning for subsequent projects and/or developments. At a minimum, Master Plans address Phase 1 (identify Problem/Opportunity) and Phase 2 (Alternative Solutions) of the Municipal Class EA process. Master Plans typically outline a set of specific projects across a geographic area that will be implemented over a period of time.

This Storm Drainage Master Plan was completed following Approach No. 2 [of the Master Plan Process] to ensure that the level of investigation, consultation and documentation were sufficient to fulfil the requirements for Schedule B projects.

Approach No. 2 includes the following:

- Preparation of a Master Plan document at the conclusion of Phases 1 and 2 of the Municipal Class EA process.
- Level of investigation, consultation and documentation are sufficient to fulfill the requirements for Schedule B projects.
- The public notice for the Master Plan becomes the Notice of Completion for the Schedule B projects within it.
- Schedule C projects would have to fulfil Phases 3 and 4 of the Municipal Class EA prior to filling an ESR for public review.
- The Master Plan would provide the basis for future investigations for specific Schedule C projects identified within it.

Recommended Solutions, Schedule B Projects

Alternative solutions were developed to improve the resiliency of the storm drainage infrastructure, taking into consideration the impacts of climate change. A surface flooding solution decision framework was developed to outline an approach to developing solutions that address both the required level of service and added resiliency for each surface flooding problem area, as appropriate.

The approved Schedule B projects [within the Master Plan] are designed to be functional in nature and provide sound direction on the nature of the designs that would be effective in addressing surface flooding concerns. These projects have been identified as:

1. Lesperance Road Storm Pump Station Improvements
2. West St. Louis Storm Pump Station Improvements
3. New Consolidated Scully/St. Mark's Storm Pump Station
4. PJ Cecile Storm Pump Station Improvements
5. New Southwind Crescent Storm Pump Station

6. Surface Storage within 'Tecumseh Soccer Fields' Park at Ecole Secondaire L'Essor
7. Surface Storage within Buster Reaume Park
8. Surface and Underground Storage within Tecumseh Centre Park

Comments

Notice of Study Completion

The Notice of Study Completion was published in the local newspaper and on the Town's website and social media accounts and was also mailed to landowners, stakeholders and regulatory authorities on the contact list for the Master Plan. The 30-day public review period expired on August 19, 2019.

During the 30-day public review period, the following concerns were received from agencies and the public:

1. On August 9, 2019, the Ministry of Tourism, Culture and Sport (MTCS) requested clarification of the potential impacts that the preferred solutions may have on archaeological, built and cultural heritage resources.
2. On August 15, 2019, the Ministry of Environment, Conservation and Parks (MECP) Southwestern Region requested clarification on consultation with indigenous communities, and requested that we confirm any impacts to source water protection areas.
3. On August 17, 2019, a representative of James Sylvestre Developments Ltd. requested a meeting to review how their proposed development land located within the Manning Road Secondary Plan Area was incorporated into the Storm Drainage Master Plan.
4. On October 3, 2019, the MECP Southwestern Region requested further clarification beyond the initial response letter for the August 15, 2019 comments on the potential impacts to source water protection areas.

Copies of all correspondence from these agencies and the public, as well as the responses confirming how these comments were addressed are appended to this report.

Given that the Town addressed all comments received during the 30-day public review period and no Part II Orders were submitted to the Minister of Environment, Conservation and Parks, the Storm Drainage Master Plan including the specified Schedule B projects that form part of the preferred solutions, is considered approved under the Municipal Class EA process and may now proceed to the detailed design and implementation phases.

Accordingly, it is therefore recommended that the Storm Drainage Master Plan be adopted.

Consultations

Planning & Building Services
Dillon Consulting Limited

Financial Implications

There are no financial implications associated with this report.

As identified within the Town's 2018 Asset Management Plan (v 2.0), the recommended solutions will be incorporated into the annual Public Works & Environmental Services Capital Works Plan moving forward. It is intended to consolidate various infrastructure improvements into a singular tender package for efficiencies and economies of scale benefits.

Administration will continue to explore grant opportunities for funding of the storm infrastructure projects.

Link to Strategic Priorities

Applicable	2019-22 Strategic Priorities
<input type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input checked="" type="checkbox"/>	Integrate the principles of health and wellness into all of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

Communications

Not applicable ☒

Website ☐

Social Media ☐

News Release ☐

Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Cheryl Curran, BES
Clerk I Administrative Clerk

Reviewed by:

Brian Hillman, MA, MCIP, RPP
Director Planning & Building Services

Reviewed by:

Phil Bartnik, P.Eng.
Director Public Works & Environmental Services

Recommended by:

Margaret Misek-Evans, MCIP, RPP
Chief Administrative Officer

Attachment Number	Attachment Name
1	Study Area and Municipal Drainage Map
2	Recommended Solutions Summary Map
3	Storm Drainage Master Plan Class Environmental Assessment Comments and Responses from Public Review
4	Storm Drainage Master Plan, Executive Summary
5	Report No. PWES-2019-35