



The Corporation of the Town of Tecumseh

Public Works & Environmental Services

To: Mayor and Members of Council

From: John Henderson, Manager Engineering Services

Date to Council: June 25, 2019

Report Number: PWES-2019-37

Subject: Windsor/Essex Region Stormwater Management Standards Manual –
Final Recommendation

Recommendations

It is recommended:

That the Windsor/Essex Region Stormwater Management Standards Manual **be adopted** as the standard for the design and review of stormwater infrastructure within the Town of Tecumseh;

And that, in order to stay current with the increasing knowledge and new practices related to stormwater management and climate change, the Town of Tecumseh support the need for the Manual to be reviewed and updated on a five (5) year cycle or more frequently if warranted by advancements in technology.

Background

The purpose of this report is to bring forward the Windsor/Essex Region Stormwater Management Standards Manual (Manual) for adoption as the Town standard for the design and review of stormwater infrastructure.

Council, at the May 28, 2019 Regular Meeting of Council, received PWES-2019-27 (see Attachment 1). This report introduced Council to the recently finalized Manual which was developed through a collaboration of regional partners including the Essex Region Conservation Authority, the City of Windsor, the County of Essex, the Towns of Tecumseh, Amherstburg, Essex, Kingsville, Lakeshore, LaSalle and the Municipality of Leamington. The Manual provides technical stormwater standards to ensure stormwater infrastructure is

designed using the best available science, with consideration for local conditions, to satisfy municipal stormwater obligations within the Windsor Essex Region.

Implementation of the stormwater management standards contained in the Manual will result in the following:

- Properly sized stormwater infrastructure based on up to date science and local conditions.
- Minimize the potential for future stormwater management storage issues at multi-phased developments by accounting for current development trends, local constraints and reviewing resiliency by stress testing the stormwater system for potential climate change impacts.
- Provide clear direction to developers and engineers on stormwater management requirements for new development within the Windsor Essex Region.
- Create an even playing field for engineers providing proposals for stormwater management design.
- Provide a consistent watershed approach to stormwater management for all municipalities within the Windsor Essex Region.
- Reduce the number of reviews and re-submissions. This should create efficiencies for municipal/agency reviews, expedite the approval process and reduce the proponent's design costs.

Report No. PWES-2019-27 recommended that, based on the feedback received at the May 28, 2019 Regular Meeting of Council, Administration bring forward a future report to Council on June 25, 2019 recommending the adoption of this Manual for the design and review of stormwater infrastructure within the Town of Tecumseh.

Comments

At the May 28, 2019 meeting, Council provided positive feedback on the Manual and recommended that, in order to stay current with the increasing knowledge and new practices related to stormwater management and climate change, the Manual be reviewed and updated on a regular interval or as warranted by advancements in technology. Accordingly, Administration recommends that the Manual be adopted as the standard for the design and review of stormwater infrastructure within the Town of Tecumseh. Administration further recommends that the Town support the need for the Manual to be reviewed and updated on a five (5) year cycle or more frequently if warranted by advancements in technology.

Consultations

Planning & Building Services
Essex Region Conservation Authority (ERCA)

Financial Implications

There are no financial implications associated with this report.

Link to Strategic Priorities

Applicable	2017-18 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 the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input type="checkbox"/>	Integrate the principles of health and wellness into all of the Town 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 checked="" 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:

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Manager Engineering Services

Reviewed by:

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

Reviewed by:

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

Recommended by:

Margaret Misek-Evans, MCIP, RPP
Chief Administrative Officer

**Attachment
Number**

**Attachment
Name**

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Report No. PWES-2019-27 Windsor Essex Region Stormwater
Management Standards Manual