



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: March 10, 2020

Report Number: PWES-2020-15

Subject: 2018 Water and Wastewater Master Plan Update
Study Completion and Final Adoption

Recommendations

It is recommended:

That the 2018 Water & Wastewater Master Plan Update **be adopted**.

Background

The 2018 Water and Wastewater Master Plan Update builds on the previous work undertaken as part of the 2002 Master Plan, the 2005 Master Plan Addendum, and the 2008 Master Plan Update. This update was undertaken in accordance with the Municipal Engineers Association (MEA) Class Environmental Assessment (EA) process for Master Plans. The update is a critical component in the committed approach to providing sustainable services and will form the new framework and vision for the water and wastewater servicing needs for the Town to 2038 and beyond.

At the December 10, 2019 Special Meeting of Council, Council received Report No. PWES-2019-54 titled "2018 Water and Wastewater Master Plan Update, Filing the Notice of Study Completion" and subsequently authorized Administration to advertise the Notice of Completion in the local newspapers, the Town's website and social media accounts to initiate the mandatory 30-day public review period (Motion: SCM-35/19).

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

Master Plans are long-range plans that 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 2018 Water and Wastewater Master Plan Update was completed following Approach No. 2 (of the Master Plan Process) to ensure that the level of investigation, consultation and documentation was 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 is sufficient to fulfill the requirements for Schedule B projects.
- The public notice for the Master Plan becomes the Notice of Study 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.

Updated Water and Wastewater Servicing Strategy

Since the 2008 Master Plan Update, the Town has completed a number of studies and proceeded to implement various components of the planned system. The 2018 Master Plan Update refines the water and wastewater servicing strategies but does not change its overall intent.

Further information on the capital projects identified within the updated water and wastewater system servicing strategies, including costs estimates, their associated Municipal Class EA Schedule and a map depicting their location are contained within Attachments No.1 and No. 2.

Comments

Notice of Study Completion

The Notice of Study Completion was published in the local newspapers 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 Update. The 30-day public review period expired on February 8, 2020.

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

1. On February 3, 2020, the Chippewas of the Thames First Nation requested notification and the opportunity to actively participate in any (future) archaeological assessments conducted by sending First Nation Field Liaisons on behalf of this First Nation.
2. On February 7, 2020, a representative of James Sylvestre Developments Ltd. provided a summary of the highlights from the February 6, 2020 meeting which included (i) the County Road 42 wastewater projects within the County of Essex Reconstruction Project, (ii) the Maidstone Hamlet servicing, and (iii) the proposed water projects as they relate to the interim improvements the County of Essex is undertaking at the County Road 22/County Road 19 intersection and how they relate to the Manning Road Secondary Plan Area.
3. On February 7, 2020, the Ministry of Heritage, Sport, Tourism, and Culture Industries (MHSTCI) expressed the importance that archaeological assessments and cultural heritage assessment reports (where deemed necessary through the screening checklists) be completed for the Schedule B activities included in the Master Plan Update.

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.

The correspondence received during the 30-day review period has been addressed and no Part II Orders were submitted to the Minister of Environment, Conservation and Parks. The Town has addressed the requirements of the *Environmental Assessment Act* and can proceed to the detailed design and implementation phases for the works, subject to completion of the Site Selection Studies for Projects W-9, W-10 (the Zone 2 (Oldcastle Hamlet) Booster Pumping Station & Water Storage Facility) and WW-15 (the Maidstone Hamlet Sanitary Pumping Station).

Accordingly, it is therefore recommended that the 2018 Water and Wastewater Master Plan Update be adopted.

Consultations

Planning & Building Services
CIMA+ Canada Inc.

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 water and wastewater infrastructure.

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:

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
1	Updated Water System Servicing Strategy
2	Updated Wastewater System Servicing Strategy
3	Comments received during the 30-Day Review Period
4	Report No. PWES-2019-54