

October 24, 2019



Corporation of the Town of Tecumseh  
917 Lesperance Road  
Tecumseh, ON  
N8N 1W9

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

Town of Tecumseh Storm Drainage Master Plan  
Class Environmental Assessment

3200 Deziel Drive  
Suite 608  
Windsor, Ontario  
Canada  
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The Notice of Completion for the Town of Tecumseh Storm Drainage Master Plan (SDMP) was advertised on July 19, 2019 and July 26, 2019, which provided for a 30 day public and agency review period that ended on August 19, 2019.

The following summarizes the comments that were received:

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 heritage and cultural heritage resources.
2. On August 15, 2019, the Ministry of Environment, Conservation and Parks (MECP) Southwestern Region requested clarification on consultations 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 in the Manning Road Secondary Plan Area was incorporated into the SDMP.
4. On October 3, 2019, the Ministry of Environment, Conservation and Parks (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.

We have attached copies of all correspondence from these agencies and the public, as well as the responses confirming how these comments were addressed.

Accordingly, the Town of Tecumseh 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 proceed to detailed design and implementation. The Master Plan will be used to guide the design and implementation of these projects.

Corporation of the Town of Tecumseh  
Page 2  
October 24, 2019



We recommend that this letter and attachments be kept on file with the Storm Drainage Master Plan for future reference.

Yours sincerely,

DILLON CONSULTING LIMITED

Flavio Forest, P.Eng  
Project Manager

RTL:ldm  
Enclosures  
Our file: 16-4880



Langlois, Ryan &lt;rlanglois@dillon.ca&gt;

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## Tecumseh Storm Drainage MP - Response to MECP Comments

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**Newton, Craig (MECP)** <Craig.Newton@ontario.ca>

Thu, Oct 3, 2019 at 11:46 AM

To: "rlanglois@dillon.ca" &lt;rlanglois@dillon.ca&gt;

Cc: "Abernethy, Scott (MECP)" &lt;Scott.Abernethy@ontario.ca&gt;, "Bechard, Marc (MECP)" &lt;Marc.Bechard@ontario.ca&gt;, "Morrison, Sean (MECP)" &lt;Sean.Morrison@ontario.ca&gt;, Flavio Forest &lt;fforest@dillon.ca&gt;, Phil Bartnik &lt;pbartnik@tecumseh.ca&gt;, John Henderson &lt;jhenderson@tecumseh.ca&gt;, Sabrina Stanlake-Wong &lt;sstanlake@dillon.ca&gt;, 164880 &lt;164880@dillon.ca&gt;, "DesLauriers, Angelune (MECP)" &lt;Angelune.DesLauriers@ontario.ca&gt;

Dear Mr. Langlois:

This email acknowledges, with thanks, MECP Southwestern Region's receipt of your immediately preceding e-mail of September 18<sup>th</sup>, 2019 and accompanying letter attachment (attached) also dated September 18<sup>th</sup>, 2019. Your September 18<sup>th</sup>, 2019 email correspondence was in response to this ministry's previous email comments of August 15<sup>th</sup>, 2019 pertaining to the Notice of Completion of the Town of Tecumseh Storm Drainage Master Plan Class EA. For your convenience and ease of understanding, this ministry's responses immediately below are provided in the same order as provided by Dillon Consulting Limited's attached letter of September 18<sup>th</sup>, 2019:

### **Comment #1 Indigenous Consultation :**

-

Thank you for confirming that Kettle and Stoney Point First Nation were reportedly provided several opportunities to comment on the Town's Storm Drainage

Master Plan. This previous MECP comment has been satisfactorily addressed.

### **Comment #2 Source Protection:**

-

To recap, MECP SWR, in its August 15<sup>th</sup>, 2019 email addressed to the Town of Tecumseh advised that in keeping with recent amendments (2015) to the MEA Municipal Class EA, a Section should be included in the Master Plan on Source Water Protection. Specifically, it should discuss whether or not the project is located in a vulnerable area or changes or creates new vulnerable areas and provide applicable details about the area. If located in a vulnerable area, the Town to document whether any project activities are a prescribed drinking water threat and thus pose a risk to drinking water (this should be consulted on with the appropriate CA/SPA). Where an activity poses a risk to drinking water, the Town to document and discuss in the Master Plan how the Plan adheres to or has regard to applicable policies in the local SPP. If creating or changing a vulnerable area, the Town to document whether any existing uses or activities may potentially be affected by the implementation of source protection policies. This section should then be used to inform and should be reflected in other sections of the Plan, such as the identification of net positive/ negative effects of alternatives, mitigation measures, evaluation of alternatives etc. As a

note, even if the project activities in a vulnerable area are deemed not to be a drinking water risk, there may be other policies that apply and so consultation with the local CA/SPA is important.

MECP SWR previously requested that the Town of Tecumseh, upon completion of a "Draft Source Protection Section", forward the Draft Section to this ministry for review and comment.

The Essex Region Conservation Authority's (ERCA's) letter of August 21<sup>st</sup>, 2019 (attached), that accompanied your September 18<sup>th</sup>, 2019 letter to this ministry, includes an Appendix which notes three possible Action Items. Provision of these three Action Items, by ERCA, appears to somewhat contradict the conclusion that there are no Source Water related concerns relating to this Master Plan. MECP SWR recommends that ERCA's three Action Items be appropriately incorporated into the yet to be completed Draft Source Water Protection Section for this Master Plan.

Moving forward, in the meantime, MECP SWR will await from the Town of Tecumseh, the provision of a Draft Source Water Protection Section for subsequent ministry review and comment, prior to insertion of the finalized Source Water Protection Section into the Town of Tecumseh Master Storm Drainage Plan.

Thank you in advance.

Yours truly,

Craig Newton

Regional Environmental Planner / Regional EA Coordinator

Ministry of the Environment, Conservation and Parks

Southwestern Region

733 Exeter Road

London, Ontario

N6E 1L3

Telephone: (519) 873-5014

E-mail: [craig.newton@ontario.ca](mailto:craig.newton@ontario.ca)

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**From:** Langlois, Ryan <[rlanglois@dillon.ca](mailto:rlanglois@dillon.ca)>

**Sent:** September-18-19 2:41 PM

**To:** Newton, Craig (MECP) <[Craig.Newton@ontario.ca](mailto:Craig.Newton@ontario.ca)>

**Cc:** Source Protection Screening (MECP) <[SourceProtectionScreening@ontario.ca](mailto:SourceProtectionScreening@ontario.ca)>; Abernethy, Scott (MECP) <[Scott.Abernethy@ontario.ca](mailto:Scott.Abernethy@ontario.ca)>; Bechard, Marc (MECP) <[Marc.Bechard@ontario.ca](mailto:Marc.Bechard@ontario.ca)>; Morrison, Sean (MECP) <[Sean.Morrison@ontario.ca](mailto:Sean.Morrison@ontario.ca)>; Flavio Forest <[fforest@dillon.ca](mailto:fforest@dillon.ca)>; Phil Bartnik <[pbartnik@tecumseh.ca](mailto:pbartnik@tecumseh.ca)>; John Henderson <[jhenderson@tecumseh.ca](mailto:jhenderson@tecumseh.ca)>; Sabrina Stanlake-Wong <[sstanlake@dillon.ca](mailto:sstanlake@dillon.ca)>; 164880 <[164880@dillon.ca](mailto:164880@dillon.ca)>

**Subject:** Tecumseh Storm Drainage MP - Response to MECP Comments

Good afternoon Craig,

Please see attached for the response to comments letter based on your questions submitted during the 30 day review period for the Tecumseh Storm Drainage Master Plan.

Thanks



**Ryan Langlois, P.Eng., ENV SP**

Associate

**Dillon Consulting Limited**

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**Tecumseh Storm Drainage MP\_MECP Response to Comment Letter.pdf**

557K



Langlois, Ryan &lt;rlanglois@dillon.ca&gt;

## Tecumseh Storm Drainage MP - Response to MECP Comments

Langlois, Ryan &lt;rlanglois@dillon.ca&gt;

Mon, Oct 21, 2019 at 1:11 PM

To: "Newton, Craig (MECP)" &lt;Craig.Newton@ontario.ca&gt;

Cc: "pbartnik@tecumseh.ca" &lt;pbartnik@tecumseh.ca&gt;, John Henderson &lt;jhenderson@tecumseh.ca&gt;, Flavio Forest &lt;fforest@dillon.ca&gt;, Sabrina Stanlake-Wong &lt;sstanlake@dillon.ca&gt;, 164880 &lt;164880@dillon.ca&gt;

Good afternoon Craig,

My apologies in missing your call this morning in regards to discussing the remaining MECP Tecumseh Storm Drainage MP comment in regards to Source Water Protection (SWP). As requested, below is a summary of the team's response in regards to the MECP Comment #2 - Source Protection with some details of the solutions proposed as part of this study that go beyond my original voicemail message.

As originally detailed in the response letter #1 dated September 18, 2019, a desktop assessment was completed as part of the study to review potential impacts on Source Water Protection (SWP). To further detail the findings beyond the team's original response, it was determined that no projects have been identified to be in an Issue Contributing Area, Significant Groundwater Recharge Area, Highly Vulnerable Aquifer, Intake Protection Zones 1 or 2 or Wellhead Protection Area. A number of the projects are, however, located within Intake Protection Zone (IPZ) 3 with a Vulnerable Score Area of 5.4. This IPZ-3 is detailed as an area of concern for Stored/Transported Fuel/Oil Spill due to the projects being in close proximity to Lake St. Clair and the East Townline Drain.

A meeting was held with the Essex Region Conservation Authority Source Water Protection Agency (SPA) Manager to discuss the projects within IPZ-3 and it was agreed that at this time there are no Source Water-related concerns about the project. However, the local SPA wished to provide information relating to Significant Drinking-Water Threats (SDWT), Transport Pathways and Drinking Water Issues for informational purposes, in the occurrence where changes arise in the future to the current policy for SWP or to the project design details in the future where a potential threat to Source Water could now occur.

Below are some bullets detailing some of the solutions developed as part of this study in which SWP was in question.

### 1. Storm Drainage and Infrastructure Improvements

- Areas where the existing storm sewer infrastructure is noted to be replaced with larger diameter pipes to accommodate enhanced conveyance of storm runoff will not cause any SDWT's. These projects are considered traditional storm sewer and roadway improvement projects. At this time, there will be no change in delineations to the EBA and Transport Pathways or negative impacts on Drinking Water Issues based on these improvements.
- The Manning Road Phase 2 project will include the enclosure of a portion of the existing East Towline Municipal Drain. Although this project requires the enclosure of the remaining open channel portion of the drain, contributing runoff will be redirected to the existing Lakewood Park open drainage channel that was previously designed, approved and constructed to take in these flows. A local sewer along Manning Road north of St. Thomas Street will be constructed to convey flows from the homes fronting Manning Road, in which a water quality unit has been designed and will be installed for quality treatment. The storm runoff for this project will ultimately convey to the existing East Towline Drain pump station outlet as it does today. Further design details for this project are included in the recently submitted ECA (Ref No. 3295-BFELHH). At this time, there will be no change in delineations to the EBA and Transport Pathways or negative impacts on Drinking Water Issues based on these improvements.
- Existing roadways proposed to be reconstructed from a rural road cross-section to a more urban cross-section will include the enclosure of roadside swales and construction of a traditional storm sewer system for storm runoff conveyance. The use of Low Impact Development (LID) techniques were evaluated as part of the MP study and were recommended to be further reviewed during detail design. Further consideration can be given during detail design to contributions of phosphorous to Lake St. Clair from the service areas that may be affected. This is to be further reviewed during detail design based on SWP policy during that time. The local SPA would be consulted during this time to discuss any policy changes relating to SWP in the area. At this time, there will be no change in delineations to the EBA and Transport Pathways or negative impacts on Drinking Water Issues based on these improvements.

## **2. Pump Station Improvements**

- It is expected that the improvements to the pump stations will not require any significant above grade handling and storage of liquid fuel in volumes greater than 15,000 L. These pump station improvements are not expected constitute as a Significant Drinking Water Threat (SDWT) to the EBA. Should grade handling and/or storage of liquid fuel above the noted volume be necessary during construction or as a result of the proposed works, a Risk Management Plan will be required. At this time, there will be no change in delineations to the EBA and Transport Pathways or negative impacts on Drinking Water Issues based on these improvements.

In conclusion, there are currently no projects developed as part of this study located in a significant vulnerable area that would constitute any Source Water Protection measures at this time. Source Water Protection did not have a significant role in the evaluation of alternatives during the EA process due to the desktop assessment identifying that the projects would cause no impact on the selection of the preferred solution. The construction of these projects are expected to not change or create new vulnerable areas at this time. The details listed above in regard to SDWT, Transport Pathways and Drinking Water Issues are to be further reviewed for each project during detail design and be screened for Source Water-related concerns based on policy during this time.

Please review this email and provide the necessary response relating to MECP's original SWP concerns. All comments raised within the 30 day review period from the MECP and other stakeholders with the respective response letters and emails will be attached and included within the correspondence appendices of the final ESR/MP document and included in the project file. This includes this final email with your response to finalize this document, thus eliminating the need for a section in the ESR/MP document on Source Water Protection.

Thank you for your time on this and please do not hesitate to contact me if you have any questions.



**Ryan Langlois, P.Eng., ENV SP**

*Associate*

**Dillon Consulting Limited**

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Langlois, Ryan &lt;rlanglois@dillon.ca&gt;

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## Tecumseh Storm Drainage MP - Response to MECP Comments

---

**Newton, Craig (MECP)** <Craig.Newton@ontario.ca>

Tue, Oct 22, 2019 at 11:05 AM

To: "Langlois, Ryan" &lt;rlanglois@dillon.ca&gt;

Cc: "pbartnik@tecumseh.ca" &lt;pbartnik@tecumseh.ca&gt;, John Henderson &lt;jhenderson@tecumseh.ca&gt;, Flavio Forest &lt;fforest@dillon.ca&gt;, Sabrina Stanlake-Wong &lt;sstanlake@dillon.ca&gt;, 164880 &lt;164880@dillon.ca&gt;

Good Morning Ryan:

This e-mail acknowledges this ministry's receipt, with thanks, Dillon Consultants immediately preceding e-mail of yesterday afternoon, October 21<sup>st</sup>, 2019.

In response, the Ministry of Environment, Conservation and Parks (MECP) is satisfied with Dillon Consulting's October 21<sup>st</sup>, 2019 response to MECP's previous Comment #2, as previously described in MECP's preceding e-mail of October 3<sup>rd</sup>, 2019.

Also, the MECP is satisfied with the approach you have proposed in your October 21<sup>st</sup>, 2019 email. That is, in the case of this particular Master Plan, all comments raised within the 30 day review period from the MECP and other stakeholders with the respective response letters and emails will be attached and included within the correspondence appendices of the final ESR/MP document and included in the project file. This includes this final MECP email as described herein to finalize this document, thus eliminating in the case of this particular Master Plan, the need for a Section in the ESR/MP document on Source Water Protection.

[Quoted text hidden]



September 18, 2019



Ministry of the Environment, Conservation and Parks  
Southwestern Region  
733 Exeter Road  
London, ON  
N6E 1L3

Attention: Craig Newton  
Regional Environmental Planner / Regional EA Coordinator

***Town of Tecumseh Storm Drainage Master Plan  
Class Environmental Assessment***

Dear Mr. Newton:

Thank you for the input provided August 15, 2019 in response to the Notice of Study Completion for the Town of Tecumseh Storm Drainage Master Plan. For your convenience, we have provided your original comments from the August 15<sup>th</sup> correspondence below.

**Comment #1:**

*I draw to your attention that one of the Indigenous Communities that MECP previously indicated that are required to be consulted for this project, namely Kettle and Stoney Point First Nation, do not appear, at least from the list provided in Section 13.4 on Page 48 of the Master Plan, to have been consulted as yet.*

We confirmed through the correspondence records for the Storm Drainage Master Plan (MP) that the Kettle and Stoney Point First Nation community was contacted during the course of this project, including the Notice of Commencement, invitations to both public information centres (PIC), and the Notice of Completion. The contacts included the Chief and the Consultation Coordinator, which has been documented in Appendix A-1 of the Report. We did note the Indigenous Communities section of the Report did not include Kettle and Stoney Point in our list of Indigenous Communities contacted.

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September 18, 2019



**Comment #2:**

*MECP SWR also noted at the Notice of Commencement stage that as per the recent amendments to the Municipal Engineers Association (MEA) Class Environmental Assessment parent document approved October 2015, proponents undertaking a Municipal Class EA project must identify early in the process whether a project is occurring within a source water protection vulnerable area. This must be clearly documented in the ESR/ Project File/ Master Plan.*

*MECP staff looked for but could not locate a Section in this Master Plan on Source Water Protection. As such, in keeping with MEA Municipal Class EA requirements, please add a Section on Source Water Protection into the Master Plan, inline with the direction previously provided by this ministry on May 24th, 2017, and as noted above. Upon completion, please forward the Source Water Protection Section to this ministry for review and comment.*

A desktop assessment was completed to review potential impacts on source water protection areas, based on which it was determined that several preferred solutions are located within Intake Protection Zone 3. A meeting was held with the source water protection project manager from the Essex Region Conservation Authority (ERCA) on August 21, 2019, based on which it was determined that there would be no concerns. The attached letter from ERCA confirms that at this time, that there are no Source Water related concerns relating to this study.

Sincerely,

**DILLON CONSULTING LIMITED**

Flavio Forest, P.Eng  
Project Manager

JAK:rtl

Enclosure(s) or Attachment(s)

Our file: 16-4880



August 21, 2019

Ryan Langlois, P.Eng, ENV SP  
Dillon Consulting Limited  
3200 Deziel Drive Suite 608  
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N8W 5K8

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P.519.776.5209 ext 342  
F.519.776.8688  
360 Fairview Avenue West  
Suite 311, Essex, ON N8M 1Y6

RE: Tecumseh Storm drainage master plan Municipal Class EA

Dear Mr. Langlois,

Thank you for the opportunity to review the information related to the Town of Tecumseh's storm drainage master plan Municipal Class Environmental Assessment as it relates to Source Water Protection in the Essex Region. There are no Source Water related concerns about this project at this time. However, further information is provided below.

### Significant Drinking Water Threats

The area where the proposed sewer expansion is to take place is within the Event Based Area (EBA) for the A.H. Week's Water Treatment Plant. In this area, the above grade handling and storage of liquid fuel in volumes greater than 15,000 L is identified as a Significant Drinking Water Threat (SDWT). Based on the information provided, it does not appear that fuel of this volume will be used or installed as a direct result of the proposed project. Should fuel of this volume be necessary during or as a result of the proposed project, a Risk Management Plan will be required.

### Transport Pathways

The EBA and other vulnerable areas are delineated using the best available mapping of drains and other watercourses. These delineations could change if the proposed project results in the creation, relocation or removal of drains and/or other open watercourses and sewers. If any of these changes occur, please notify the Essex Region Source Protection staff once these changes are finalized so that the delineation of vulnerable areas can be adjusted appropriately. Any changes to these delineations would need to be included in formal updates to the Source Protection Plan and Assessment Report using the provisions of the *Clean Water Act* (s.34 or s. 36) or its Regulations (s.51).



### Drinking Water Issues

Microcystin, the toxin produced by the cyanobacteria present in the Harmful Algal Blooms (HABs) experienced in both Lake Erie and Lake St. Clair, was identified as a drinking water issue for all of the Essex Region's Lake Erie drinking water intakes. The intensity and severity of HABs are influenced by the contribution of nutrients (e.g. phosphorus and nitrogen) from the tributaries of Lake Erie, which includes the Detroit River. We encourage the developers on this project to consider contributions of phosphorus to receiving water bodies (i.e. Lake St. Clair and the Detroit River) that may be affected by changing overland or sanitary sewer drainage. This project is an excellent opportunity to incorporate Low Impact Develop tools that could help to reduce phosphorus inputs and, at a minimum, should be used to ensure that phosphorus inputs will not be increased as a result of this project.

Again, we thank you for the opportunity to provide comments on this project and look forward to hearing more as it progresses.

Sincerely,



Katie Stammler, PhD  
Source Water Protection Project Manager





Langlois, Ryan &lt;rlanglois@dillon.ca&gt;

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## MECP Comments Notice of Completion Town of Tecumseh Storm Drainage Master Plan

3 messages

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**Newton, Craig (MECP)** <Craig.Newton@ontario.ca>

Thu, Aug 15, 2019 at 9:26 AM

To: "pbartnik@tecumseh.ca" <pbartnik@tecumseh.ca>

Cc: "fforest@dillon.ca" <fforest@dillon.ca>, "tecumsehdrainageMP@dillon.ca" <tecumsehdrainageMP@dillon.ca>, "Source Protection Screening (MECP)" <SourceProtectionScreening@ontario.ca>, "Abernethy, Scott (MECP)" <Scott.Abernethy@ontario.ca>, "Bechard, Marc (MECP)" <Marc.Bechard@ontario.ca>, "Morrison, Sean (MECP)" <Sean.Morrison@ontario.ca>, "jkitchen@dillon.ca" <jkitchen@dillon.ca>

Dear Phil:

This e-mail acknowledges this ministry's receipt, with thanks, of the Notice of Completion for the above noted Storm Drainage Master Plan. Ministry comments, if any, have been requested by the Town of Tecumseh by no later than Monday August 19<sup>th</sup>, 2019.

The Ministry of Environment, Conservation and Parks Southwestern Region (MECP SWR) provided initial comments on this proposed Master Plan at the Notice of Commencement stage through this ministry's attached comments to you of May 24<sup>th</sup>, 2017.

MECP SWR has reviewed the Final EA in part, in the context of comments previously provided at the Notice of Commencement stage.

In that regard, I draw to your attention that one of the Indigenous Communities that MECP previously indicated that are required to be consulted for this project, namely Kettle and Stoney Point First Nation, do not appear, at least from the list provided in Section 13.4 on Page 48 of the Master Plan, to have been consulted as yet. Unless you can advise this ministry otherwise, please provide Kettle and Stoney Point First Nation an opportunity to review, and comment on this Master Plan, including but not limited to any face to face meetings they may request to discuss this Master Plan. Subsequently, please advise this ministry in writing of the outcome of the foregoing consultation with Kettle and Stoney Point First Nation.

In addition to Indigenous Consultation, MECP SWR also noted at the Notice of Commencement stage that as per the recent amendments to the Municipal Engineers Association (MEA) Class Environmental Assessment parent document approved October 2015, proponents undertaking a Municipal Class EA project must identify early in the process whether a project is occurring within a source water protection vulnerable area. This must be clearly documented in the ESR/ Project File/ Master Plan. If the project is occurring in a vulnerable area, then there may be policies in the local Source Protection Plan (SPP) that need to be addressed (requirements under the Clean Water Act). The proponent should contact and consult with the appropriate Conservation Authority/Source Protection Authority (CA/SPA) to discuss potential considerations and policies in the SPP that apply to the project.

A section should be included in the ESR / Project File / Master Plan on Source Water Protection. Specifically, it should discuss whether or not the project is located in a vulnerable area or changes or creates new vulnerable areas and provide applicable details about the area. If located in a vulnerable area, proponents should document whether any project activities are a prescribed drinking water threat and thus pose a risk to drinking water (this should be consulted on with the appropriate CA/SPA). Where an activity poses a risk to drinking water, the proponent must document and discuss in the ESR/Master Plan how the project adheres to or has regard to applicable policies in the local SPP. If creating or changing a vulnerable area, proponents should document whether any existing uses or activities may potentially be affected by the implementation of source protection policies. This section should then be used to inform and should be reflected in other sections of the report, such as the identification of net positive/ negative effects of alternatives, mitigation measures, evaluation of alternatives etc. As a note, even if the project activities in a vulnerable area are deemed not to be a drinking water risk, there may be other policies that apply and so consultation with the local CA/SPA is important.

MECP staff looked for but could not locate a Section in this Master Plan on Source Water Protection. As such, in keeping with MEA Municipal Class EA requirements, please add a Section on Source Water Protection into the Master Plan, inline with the direction previously provided by this ministry on May 24<sup>th</sup>, 2017, and as noted above. Upon completion, please forward the Source Water Protection Section to this ministry for review and comment.

Phil, thank you for providing this ministry the opportunity to review and comment on this Master Plan. The MECP awaits the Town of Tecumseh's written response to this ministry's comments as provided herein. Thank you in advance.

Yours truly,

Craig Newton

Regional Environmental Planner / Regional EA Coordinator

Ministry of the Environment, Conservation and Parks

Southwestern Region

[733 Exeter Road](#)

[London, Ontario](#)

[N6E 1L3](#)

Telephone: (519) 873-5014

E-mail: [craig.newton@ontario.ca](mailto:craig.newton@ontario.ca)

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**2 attachments****Tecumseh Drainage MP Notice of Completion\_FINAL.pdf**  
220K**MOECC Response To Notice of Study Commencement Town of Tecumseh Storm Drainage Master Plan.pdf**  
211K

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**Phil Bartnik** <[pbartnik@tecumseh.ca](mailto:pbartnik@tecumseh.ca)>  
To: "rlanglois@dillon.ca" <[rlanglois@dillon.ca](mailto:rlanglois@dillon.ca)>

Thu, Aug 15, 2019 at 9:51 AM

FYI

Phil Bartnik, P. Eng.

Director Public Works &amp; Environmental Services

The Corporation of the Town of Tecumseh

[Quoted text hidden]



**Phil Bartnik**  
**Director Public Works & Environmental Services**

[pbartnik@tecumseh.ca](mailto:pbartnik@tecumseh.ca)Town of Tecumseh - [917 Lesperance Rd. - Tecumseh, ON. - N8N1W9](#)Phone: 519 735-2184 , 148 Fax: 519 735-6712 - [www.tecumseh.ca](http://www.tecumseh.ca)

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**2 attachments****Tecumseh Drainage MP Notice of Completion\_FINAL.pdf**  
220K**MOECC Response To Notice of Study Commencement Town of Tecumseh Storm Drainage Master Plan.pdf**  
211K

----- Forwarded message -----

From: **Newton, Craig (MECP)** <[Craig.Newton@ontario.ca](mailto:Craig.Newton@ontario.ca)>

Date: Thu, Aug 15, 2019, 9:26 AM

Subject: MECP Comments Notice of Completion Town of Tecumseh Storm Drainage Master Plan

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**2 attachments**



**Tecumseh Drainage MP Notice of Completion\_FINAL.pdf**

220K



**MOECC Response To Notice of Study Commencement Town of Tecumseh Storm Drainage Master Plan.pdf**

211K



September 18, 2019

Ministry of Tourism, Culture and Sports  
Programs and Services Branch  
401 Bay Street, Suite 1700  
Toronto, Ontario  
M7A 0A7

Attention: Katherine Kirzati  
Heritage Planner

***Town of Tecumseh Storm Drainage Master Plan  
Class Environmental Assessment  
MTCS File: 0006634***

Dear Ms. Kirzati:

Thank you for the input provided on August 9, 2019 in response to the Notice of Study Completion for the Town of Tecumseh Storm Drainage Master Plan.

As noted in the August 27, 2019 follow-up email (enclosed) a figure was developed to illustrate the location of designated built and cultural heritage landscapes in relation to the projects recommended in the Master Plan. One of the projects is located in close proximity to a cultural heritage property (Lacasse Park) in which the baseball diamond and grand stands (1946) are listed as heritage features. The preferred solution consists of new local sewers and roadway grading improvements along Meander Crescent, which would not impact these cultural heritage features.

The Storm Drainage MP identifies the need to complete archaeological assessments for each Schedule B undertaking during the future design and implementation stages. Due to the proximity of Lake St. Clair, we recommend prior to implementation, any Schedule A or A+ projects within the study area complete the MTCS checklist to determine archaeological potential. If required, an archaeological assessment will be completed based on the outcome of the screening.

Sincerely,  
**DILLON CONSULTING LIMITED**



Flavio Forest, P.Eng  
Project Manager

JAK:rtl

Enclosure(s) or Attachment(s)  
Our file: 16-4880



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Limited**

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From: Stanlake-Wong, Sabrina  
Sent: August 27, 2019 5:33 AM  
To: Kirzati, Katherine (MTCS)  
Cc: tecumsehdrainagemp@dillon.ca; 164880  
Subject: Fwd: 0006634 -Tecumseh -Storm Drainage Master Plan -MTCS Comments (EAR)  
Attachments: Tecumseh Heritage mapping Tecumseh Storm Drainage Master Plan.pdf

Hi Katherine,

Thanks for the call the other week to discuss this project. Your input was helpful for this study in particular and also more generally to understand the Ministry's requirements. I'll keep any eye out for the guidelines on cultural heritage from MTCS.

We put together the attached map showing the listed heritage properties from the Town's website within the study area as well as the projects included in the master plan.

There is only one project that is close to one of the cultural heritage properties identified (Lacasse Park). The Town's heritage listing notes the Baseball Diamond and grand stands (1946) are the heritage features in the park. The project is for local sewers on Meander Crescent. Lacasse Boulevard separates the Meander Cres. and the Park. Based on the location and scope of work, it seems reasonable to assume there would be no impact on the Cultural Heritage Landscape. Would you agree with that approach? I'm happy to discuss if you would like.

We will include your comments as well as the attached map in the Master Plan.

Thanks,  
Sabrina



Sabrina Stanlake-Wong  
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*Please consider the environment before printing this email*

On Fri, Aug 9, 2019 at 9:28 AM Kirzati, Katherine (MTCS) <[Katherine.Kirzati@ontario.ca](mailto:Katherine.Kirzati@ontario.ca)> wrote:

Good Morning Flavio:

Attached please find MTCS' comments on the Environmental Assessment Report (EAR) for the above-noted project.

Should you have any questions, please give me a call.

Regards, Katherine

Katherine Kirzati  
Heritage Planner  
Programs and Services Branch  
Ministry of Tourism, Culture and Sport  
401 Bay St, Suite 1700  
Toronto, ON M7A 2R9  
416.314.7643  
[katherine.kirzati@ontario.ca](mailto:katherine.kirzati@ontario.ca)





IMPLEMENTATION STAGE ID	IMPROVEMENT DETAILS
LESPERANCE PUMP STATION SERVICE AREA	
PS1	Lesperance Pump Station Improvements
LE-1	Lesperance PS Storm Trunk Sewer – Riverside Drive (St. Pierre Street to PS)
LE-2	St. Pierre Street Trunk Sewer
LE-3	Clapp Street Local Sewers
LE-4	Meander Crescent Local Sewers
LE-5	Underground/Aboveground Storage (Tecumseh Town Hall)
LE-6	Evergreen Drive Local Sewers
LE-7	Gauthier Drive Local Sewers
CONSOLIDATED SCULLY/ST. MARK'S PUMP STATION SERVICE AREA	
PS2	New Consolidated Scully/St. Mark's Pump Station
SM-1	Scully/St. Mark's PS Storm Trunk Sewer – Riverside Drive (Arlington Boulevard to PS)
SM-2	Grant Avenue Diversion Sewer
SM-3	Aboveground Storage (Tecumseh Soccer Fields)
SM-4	Edgewater Drive Local Sewers
SM-5	St. Gregory's Road Local Sewers and Diversion
SM-6	St. Marks Road Local Sewers
SM-7	Arlington Boulevard Local Sewers
WEST ST. LOUIS PUMP STATION SERVICE AREA	
PS3	West St. Louis Pump Station Improvements
WSL-1	West St. Louis PS Storm Trunk Sewer – Riverside Drive (Barry Avenue to existing 2000mm storm sewer)
WSL-2	Little River Boulevard Underground Storage
WSL-3	Coronado Dish Local Sewers
WSL-4	Lacasse Boulevard Local Sewers
WSL-5	Kimberly Drive and Jelso Place Local Sewers
EAST ST. LOUIS PUMP STATION SERVICE AREA	
ESL-1	St. Thomas Street Overflow Sewer to Lakewood Park & Backflow Prevention
EAST TOWNLINE DRAIN SERVICE AREA	
ETD-1	Aboveground Storage (Buster Reaume Park) & Backflow Prevention Device
ETD-2	Lemire/Lanoue Street Local Sewers and Sewer Diversion
BAILLARGEON DRAIN SERVICE AREA	
BD-1	Charlene Lane Flooding Solution
BD-2	St. Anne Area Local Sewers*
PJ CECILE PUMP STATION SERVICE AREA	
PS2	PJ Cecile Pump Station Improvements
PJ-1	Kensington Dish Area Local Sewers
SOUTHWIND/STARWOOD AREA	
PS5	New Starwood/Southwind Pump Station
SS-1	Southwind Gravity Outfall Backflow Prevention Device
BRIGHTON PUMP STATION SERVICE AREA	
B-1	Tecumseh Road Ditch Enclosure

TOWN OF TECUMSEH  
STORM DRAINAGE MASTER PLAN

RECOMMENED SOLUTIONS  
SUMMARY MAP  
FIGURE 14.2



MAP CREATED BY: SZ  
MAP CHECKED BY: RTL  
MAP PROJECTION: NAD 1983 UTM Zone 17N

FILE LOCATION: \\DILLON.CA\DILLON\_DES\LONDON\  
LONDON CAD\GIS\VISUAL COMMUNICATIONS D\I  
MXD TEMPLATES\  
BEIGE - 11X17 LANDSCAPE - LEGEND BOTTOM.MXD

PROJECT: 16-4880 STATUS: DRAFT DATE: MARCH 2019



September 18, 2019



James Sylvestre Developments Ltd.  
1865 Manning Road  
Tecumseh, ON  
N8N 2L9

Attention: Josette Eugeni

***Town of Tecumseh Storm Drainage Master Plan  
Class Environmental Assessment***

Dear Ms. Eugeni:

In response to correspondence received from you on August 17, 2019 and our meeting on August 19, 2019, we are addressing your comments in this letter. For your convenience, we have provided your original comments from the August 17 correspondence below.

*Please identify the assumptions regarding the Stormwater flows for the original Manning Road Secondary Plan EA AND for the current Storm Drainage Master Plan as follows:*

- 1 *Flow for the Baillargeon Drain. Is there an assumption for the Baillargeon Drain into the East Townline Drain if the Future Development has not occurred / separate assumption if it has moved forward?*

Storm runoff from the Baillargeon Drain drainage area was modelled under both existing and future conditions. The existing conditions are based on the conveyance of flows directly into the East Townline Drain (ETLD) through the existing open channel, whereas under future conditions, the Baillargeon Drain would be redirected to the proposed MRSPA regional stormwater management (SWM) facility, in accordance with the approved MRSPA SWM ESR Addendum Report (April 2015).

- 2 *Flow rate allowed/assumed for the Manning Road Secondary Plan Area into the East Townline Drain.*

The flow rates used in the future condition Storm Drainage MP Model from the MRSPA were based on the 0.50 cms pump release rate from the proposed SWM Facility and the major overland flow route peak overflow rates from the development occurring during the 1:100 year event. These flows are identified in Figure 10 of the MRSPA SWM ESR Addendum Report (April 2015). All flows into the

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Cyr Drain and ETLT would require final approval from the Town of Tecumseh and the Essex Region Conservation Authority (ERCA) prior to detail design to confirm that the solution is acceptable based on the updated requirements in the Windsor/Essex Region Stormwater Management Standards Manual (December 2018).

**3 Flow rate from the Baillargeon Drain Service Area into the Manning Road Secondary Plan Area. Include both Option 1 and Option 2 with respect to the MP.**

The modelled peak flows for the Baillargeon Drain were determined to be approximately 1.7 cms and 2.4 cms for the Chicago 1:2 year and 1:100 year 4 hour design storm events, respectively.

Based on further discussions during our meeting of August 19, 2019, we also confirmed that the Tecumseh MDS does not necessarily limit consideration for changes to the SWM servicing strategy for the MRSPA, as identified in Section 8.0 of Volume 1 of the Storm Drainage MP:

“Two of the larger property owners within the MRSPA expressed their desire to review the SWM strategy for the MRSPA development to consider alternative solutions that may vary from the approved MRSPA SWM Class EA Addendum Report (2015). Once the developers have initiated the detailed design of the SWM solution for this site, the PCSWMM Storm Drainage MP model may be used to confirm that the development does not result in any adverse impacts on the downstream drainage system.”

It was identified that an increase to the release rate from the proposed MRSPA SWM facility could be considered, but that it would require further analysis to confirm that there would be no downstream impacts on the ETLT. This would include an assessment of the overall ETLT watershed peak timing, flow and volume changes within the open drainage system utilizing the Town’s 2D hydraulic model.



We would note that any significant change from the preferred solution defined in the 2015 Class EA Addendum for the MRSPA SWM facility should be formalized through a further Class EA Addendum process. Significant changes would include revisions to the location and/or design service area of the proposed MRSPA SWM facility, while updates to storm sewer sizes, SWM facility shape/size and SWM release rate would be considered design refinements that would not necessarily trigger an Addendum to the Class EA process.

We appreciate your interest in this project and trust that this additional information addresses your questions. The Town of Tecumseh will proceed to conclude the Storm Drainage Master Plan at this time and will incorporate this correspondence as part of the final report.

Sincerely,

**DILLON CONSULTING LIMITED**

Flavio Forest, P.Eng  
Project Manager

JAK:rtl

cc: Mr. Phil Bartnik, P.Eng., Town of Tecumseh  
Our file: 16-4880