

NOTICE OF COMMENTS RECEIVED

Following Completion of the 45-Day Public Review Period

The Region of Peel filed the 2020 Water and Wastewater Master Plan report for the 45-calendar day public review period from **June 29, 2020 to August 13, 2020**.

All comments received were tracked in the attached summary table and responses were issued where required. The following revisions have been made to the Region of Peel 2020 Water and Wastewater Master Plan report:

Volume 2, Section 4.1– Provincial and Federal Legislation and Policy

- Additional text added to the end of Section 4.1, page 30 according to MECP General Comment #1. Additional text highlights that all relevant policies considered in the planning for the Region of Peel Infrastructure strategies and projects are detailed further in Appendix 2B – Baseline Environmental Overview.

Volume 2, Section 4.2 – Conservation Authority Regulation and Policy

- Additional text added on page 31 according to TRCA comment #16. Additional text notes the role of Conservation Authorities as a commenting agency.

Volume 2, Section 5.2.8 – Cultural Heritage

- Additional text added on Page 48 according to MHTSCI Comment #2. Additional text highlights the high-level review of cultural heritage and archaeological features that was completed to provide a context of features within the study area. The high-level review also provides a basis for future archaeological and cultural heritage investigations to be conducted under individual projects identified in the Master Plan.

Volume 2, Section 7.2 – GTA West Transportation Corridor Route Planning and Study

- Additional text and figure added on page 56 according to TRCA comment #14. Additional text details the recently released GTA West Transportation Corridor study area and preferred route alignment.

Volume 2, Appendix 2B, Section 2.8.1 – Source Water Protection

- Additional maps of source water sensitive areas included in Volume 2, Appendix B, Appendix C.4 according to TRCA comment #15. Additional text added to Volume 2-Appendix B, page 12 noting that the locations of several source water sensitive areas can be found on an additional appended map.

Volume 4, Section 5.3.3.5 – Tullamore Airport Road

- Additional text added on page 55 according to TRCA comment #9. Additional text highlights that all alignments presented in the Master Plan Report are preliminary and subject to change based on updated or future growth forecasts, including future approved settlement areas and roads.

Volume 4, Section 5.3.3.7 – Mayfield West Community

- Additional text added on page 55 according to TRCA comment #10. Additional text highlights that all alignments presented in the Master Plan Report are preliminary and subject to change based on updated or future growth forecasts, including future approved settlement areas and roads.

Volume 5, Section 2.6 – Indigenous Consultation

- Additional text added to Volume 5, Section 2.6, page 10 according to MECP General Comment #2. Additional text details Indigenous Community Engagement and Consultation throughout the duration and at the completion of the master plan process.

#	From	TO	Date Received	Type	Comment	Action	Status
1	Kate Connell <i>Halton Region</i>	Martin Pendlebury <i>Region of Peel</i>	2020-06-30	Email	<ul style="list-style-type: none"> Stakeholder acknowledged receipt of notice of filing for public review 	<ul style="list-style-type: none"> No action required 	Complete
2	Trevor Bell <i>MECP</i>	Martin Pendlebury <i>Region of Peel</i>	2020-06-12	Email	<ul style="list-style-type: none"> MECP provided follow-up comments on the final Master Plan report. 	<ul style="list-style-type: none"> Master Plan report updated according to follow-up comments received (see following sections for detailed responses to comments) Comment responses sent to MECP. 	Complete
3	Kimberly Livingstone <i>MHSTCI</i>	Martin Pendlebury <i>Region of Peel</i>	2020-08-13	Email	<ul style="list-style-type: none"> MHSTCI provided follow-up comments on the final Master Plan report. 	<ul style="list-style-type: none"> Master Plan report updated according to follow-up comments received (see following sections for detailed responses to comments) Comment responses sent to MHSTCI. 	Complete
4	Chief R. Donald Maracle <i>Mohawks of the Bay of Quinte</i>	Martin Pendlebury <i>Region of Peel</i>	2020-06-30	Email	<ul style="list-style-type: none"> Stakeholder acknowledged receipt of notice of filing for public review Stakeholder identified concerns regarding preliminary archaeological investigations 	<ul style="list-style-type: none"> Response letter sent to stakeholder acknowledging receipt of comments. Comments added to the project file for reference and further consideration in future cultural heritage and archaeological studies for this project. 	Complete
5	Sharon Lingertat <i>TRCA</i>	Martin Pendlebury <i>Region of Peel</i>	2020-08-12	Email	<ul style="list-style-type: none"> TRCA provided follow-up comments on the final Master Plan report. 	<ul style="list-style-type: none"> Master Plan report updated according to follow-up comments received (see following sections for detailed responses to comments) Comment responses sent to TRCA. 	Complete

Jasmine Biasi - GM BluePlan

From: Pendlebury, Martin <martin.pendlebury@peelregion.ca>
Sent: Tuesday, June 30, 2020 11:18 AM
To: Polga, Miriam; Borowiec, Laura; Mark Zamojc - GM BluePlan; Sandy Naime - GM BluePlan
Subject: FW: Peel 2020 Master Plan - Halton Region Water and Wastewater Planning Comments on PIC#2 materials

Martin Pendlebury, M.A.Sc., P.Eng.
Advisor, Water & Wastewater Strategic Infrastructure Planning
Office of General Manager, Water & Wastewater
Public Works

☎ 905-791-7800 ext. 4548 ✉ martin.pendlebury@peelregion.ca



From: Connell, Kate <Kate.CConnell@halton.ca>
Sent: June 30, 2020 11:14 AM
To: Pendlebury, Martin <martin.pendlebury@peelregion.ca>
Subject: RE: Peel 2020 Master Plan - Halton Region Water and Wastewater Planning Comments on PIC#2 materials

CAUTION: EXTERNAL MAIL. DO NOT CLICK ON LINKS OR OPEN ATTACHMENTS YOU DO NOT TRUST.

Good morning Martin,

Thank you for the information outlined below. I really appreciate you keeping us in mind as you have moved through the Master Planning process during this strange time! Hope you and your family are doing well through all this.

I have elevated your feedback to our management team for review along with the information that you are now in the public review period of the Master Planning process. I will be back in touch if there are any follow up questions or concerns. I wanted you to be aware that we had received your email and were aware of the status of the Peel Master Plan.

Kind Regards,
Kate

From: Pendlebury, Martin <martin.pendlebury@peelregion.ca>
Sent: Monday, June 22, 2020 7:58 PM
To: Connell, Kate <Kate.CConnell@halton.ca>
Subject: RE: Peel 2020 Master Plan - Halton Region Water and Wastewater Planning Comments on PIC#2 materials

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you are unsure or need assistance please contact the IT Service Desk.

Hi Kate,

I hope you are keeping well. The world has certainly changed a lot since last we spoke.

You may have already received the notice that we are filing the 2020 Water and Wastewater Master Plan for the Lake-Based Systems on June 29, 2020. It has been a long process and it feels good to finally complete this document and start to put the plan into action.

In January, you asked whether Peel would mention in the report the potential for inter-regional servicing between the Region of Peel and the Region of Halton. The matter was discussed amongst the project team and with senior management but, ultimately, staff decided not to include a specific reference to inter-regional servicing with Halton.

The 2020 Master Plan focuses on water and wastewater servicing strategies for growth within Peel to 2041, as per the Places to Grow plan, as well as meeting existing servicing agreements with the City of Toronto and York Region. As there is no existing servicing agreement between Peel and Halton, and no formal request has been made for inter-regional servicing, the potential for servicing cannot be analyzed or considered as part of the preferred servicing strategies.

We considered whether a reference to inter-regional servicing could be made in a section on risks and issues not considered in the plan. However, in the absence of a formal request for servicing, staff concluded that the master plan should not preferentially mention Halton over other jurisdictions that may be considering a request for a new or revised servicing agreement with the Region of Peel. Such a reference could also be seen to circumvent the prescribed process for inter-regional servicing agreements.

Let me know if you have any further questions.

Thanks,

Martin Pendlebury, M.A.Sc., P.Eng.

Advisor, Water & Wastewater Strategic Infrastructure Planning
Office of General Manager, Water & Wastewater
Public Works

 905-791-7800 ext. 4548  martin.pendlebury@peelregion.ca

From: Pendlebury, Martin

Sent: January 7, 2020 11:57 AM

To: Connell, Kate <Kate.CConnell@halton.ca>

Subject: RE: Peel 2020 Master Plan - Halton Region Water and Wastewater Planning Comments on PIC#2 materials

Happy New Year Kate!

With the holidays and her vacation schedule I just spoke this morning with my manager about this. The final report for the Master Plan will have a section on risks and we're thinking that this could be an appropriate place to include some text on the idea of inter-regional servicing with Halton. However, before proceeding we will need to discuss this with our senior management. We don't anticipate filing the final report until late April so there is time to have these discussions and craft an appropriate section regarding inter-regional servicing.

Thanks,

Martin Pendlebury, M.A.Sc., P.Eng.

Advisor, Water & Wastewater Strategic Infrastructure Planning

Office of General Manager, Water & Wastewater
Public Works

☎ 905-791-7800 ext. 4548 ✉ martin.pendlebury@peelregion.ca

From: Connell, Kate <Kate.Connell@halton.ca>

Sent: January 6, 2020 2:47 PM

To: Pendlebury, Martin <martin.pendlebury@peelregion.ca>

Subject: RE: Peel 2020 Master Plan - Halton Region Water and Wastewater Planning Comments on PIC#2 materials

CAUTION: EXTERNAL MAIL. DO NOT CLICK ON LINKS OR OPEN ATTACHMENTS YOU DO NOT TRUST.

Hi Martin,

Happy new year – hope you enjoyed the holidays!

I had a note in my calendar to follow up with you regarding the email below. Can you confirm that wording will be added to the Peel Master Plan that acknowledges the proposed inter-regional connection between Halton and Peel?

Thanks Martin.

Kind Regards,

Kate

From: Connell, Kate <Kate.Connell@halton.ca>

Sent: Thursday, December 19, 2019 8:59 AM

To: 'martin.pendlebury@peelregion.ca' <martin.pendlebury@peelregion.ca>

Cc: Gilmore, Adam <Adam.Gilmore@halton.ca>

Subject: Peel 2020 Master Plan - Halton Region Water and Wastewater Planning Comments on PIC#2 materials

Good morning Martin,

Pleasure to speak with you yesterday. Thank you for taking the time to get back to me.

Per our discussion:

We note that both the Sustainable Halton 2011 Water and Wastewater Master Plan and the Halton Region 2017 Development Charges Water and Wastewater Technical Report both include proposed inter-regional connections with Peel in the Town of Halton Hills. These connections were envisioned for emergency/security of supply purposes. We understand from our discussions with you and with GMBP that these inter-regional connections have not been addressed through the Peel Master Planning process. While we don't expect the proposed inter-regional connections to have been evaluated in detail, we feel as though the Peel Master Plan should acknowledge the possibility of a future connection, for continuity of information.

Can you let us know if wording can be added to the Peel Master Plan report that acknowledges these connections?

Kind Regards,

Kate

Kate Connell, P. Eng.

Project Manager II

Infrastructure Planning & Policy

Public Works

Halton Region

905-825-6000, ext. 3112 | 1-866-442-5866

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Jasmine Biasi - GM BluePlan

From: Sandy Naime - GM BluePlan
Sent: Wednesday, August 12, 2020 6:10 PM
To: Mark Zamojc - GM BluePlan
Subject: FW: Peel 2020 Water and Wastewater Master Plan - Municipal Class EA
Attachments: MECP Comments_Master Plan Report_Peel 2020 Water and Wastewater Master Plan.pdf

Sandy Naime, M.Eng., P.Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7211 | c: 289.527.0592
sandy.naime@gmblueplan.ca | www.gmblueplan.ca



From: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>
Sent: Wednesday, August 12, 2020 5:56 PM
To: 'martin.pendlebury@peelregion.ca' <martin.pendlebury@peelregion.ca>
Cc: Dufresne, Tina (MECP) <Tina.Dufresne@ontario.ca>; Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>; Sandy Naime - GM BluePlan <sandy.naime@gmblueplan.ca>
Subject: Peel 2020 Water and Wastewater Master Plan - Municipal Class EA

Good afternoon,

Please find attached a letter from the Ministry of the Environment, Conservation and Parks, Environmental Approvals Branch, regarding the above mentioned project. Feel free to contact me directly with any questions or concerns you may have.

Sincerely,

Trevor Bell | Environmental Planner/Environmental Assessment Coordinator
Project Review Unit, Environmental Assessment and Permissions Branch
Ministry of the Environment, Conservation and Parks
5775 Yonge Street, 8th floor, Toronto ON, M2M 4J1
New Phone: 437-770-3731 | trevor.bell@ontario.ca

Ministry of the Environment,
Conservation and Parks

Environmental Assessment Branch

1st Floor
135 St. Clair Avenue W
Toronto ON M4V 1P5
Tel.: 416 314-8001
Fax.: 416 314-8452

Ministère de l'Environnement, de la
Protection de la nature et des Parcs

*Direction des évaluations
environnementales*

Rez-de-chaussée
135, avenue St. Clair Ouest
Toronto ON M4V 1P5
Tél. : 416 314-8001
Télé. : 416 314-8452



August 12, 2020

Martin Pendlebury, P.Eng.
Advisor, Water and Wastewater Infrastructure Planning
Regional Municipality of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON L6T 4B9
martin.pendlebury@peelregion.ca

BY EMAIL ONLY

Re: **2020 Water and Wastewater Master Plan for the Lake-Based System
Region of Peel
Master Plan Municipal Class Environmental Assessment – Approach 1
Master Plan Report**

Dear Mr. Pendlebury,

The Ministry of the Environment, Conservation and Parks (MECP) has reviewed the Master Plan Report (Report) for the Municipal Class Environmental Assessment for the Peel 2020 Water and Wastewater Master Plan for the Lake-Based System, dated June 1, 2020. We understand that the preferred water and wastewater servicing strategies involve numerous activities to expand the existing Lake Ontario-based systems and increase wastewater collection, pumping and treatment capacity, in order to meet the servicing needs of the Region of Peel to 2041. The following comments are offered for your consideration.

Water Comments

1. The Report is very high level, and we do not have anything to add on the strategy itself. The report identifies many Schedule A and B (and some C) Municipal Class EA projects. Our interest in these will be mainly construction-related dewatering issues. Sewage Treatment Plant construction and expansion including new outfall locations will be major Schedule C projects that we will review in detail.

General Comments

1. The Report outlines the planning policy framework and provincial land use plans that provide direction for managing growth in the province. The Report should indicate which policies in those plans may be applicable to the strategies and projects identified therein and discuss how the they conform with those policies.
2. The report should include additional information regarding engagement with Indigenous communities. If no comments or responses were received from Indigenous communities, the Report should detail any follow-up attempts made to contact those communities.

Thank you for the opportunity to review and comment on the Report. Should you or any members of your project team have any questions regarding the material above, please contact me at trevor.bell@ontario.ca.

Sincerely,

A handwritten signature in black ink, appearing to read 'Trevor Bell', with a stylized flourish at the end.

Trevor Bell
Regional Environmental Assessment Coordinator

cc: Tina Dufresne, Manager, Halton Peel District Office, MECP
Agni Papageorgiou, Supervisor, Project Review Unit, MECP
Sandy Naime, Infrastructure Planning, GM BluePlan Engineering Limited

Jasmine Biasi - GM BluePlan

From: Jasmine Biasi - GM BluePlan
Sent: Thursday, November 26, 2020 4:04 PM
To: trevor.bell@ontario.ca
Cc: Sandy Naime - GM BluePlan; Mark Zamojc - GM BluePlan;
martin.pendlebury@peelregion.ca; Tina.Dufresne@ontario.ca;
agni.papageorgiou@ontario.ca
Subject: Response to the Final Region of Peel 2020 Water and Wastewater Master Plan Project
File Reports and Appendices
Attachments: Region of Peel 2020 WWW MP_MECP Comments Response.pdf

Dear Mr. Bell,

Please find attached a letter response to MECP comments RE: Peel 2020 Water and Wastewater Master Plan – Municipal Class EA.

The Master Plan document has been updated according to your comments and the updated project file will be posted on the Region of Peel's website.

Please advise if you have any questions or comments.

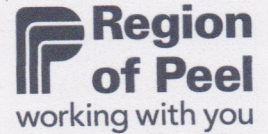
Thank you,

Jasmine Biasi, B.Eng., E.I.T
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7225 | c: 416.209.1892
jasmine.biasi@gmblueplan.ca | www.gmblueplan.ca



November 19, 2020



Trevor Bell
Environmental Planner / Environmental Assessment Coordinator
Ministry of the Environment, Conservation and Parks
5775 Yonge Street, 8th Floor
Toronto, ON M2M 4J1

RE: Response to the Final 2020 Water and Wastewater Master Plan Project File Reports and Appendices

Dear Mr. Bell:

Further to your letter on August 12th, 2020 and review of the 2020 Water and Wastewater Master Plan Project File, we thank you for the comments you provided during the 45-day review period.

The 2020 Water and Wastewater Master Plan was completed as Approach #1 as outlined in Appendix 4 of the MEA Class EA Manual (2015). The Reports were prepared at a broad level assessment and recognized that further detailed assessment will be required through separate studies or Integrated Planning Approach to satisfy project specific fulfilment of the MEA Class EA requirements for the specific A, A+, B and C projects identified within the Master Plan.

All comments and responses received during the 45-day review period have been added to the Project File as well as any changes made as per the comments received. The full 2020 Water and Wastewater Master Plan Project File will be posted on the Region of Peel's website.

Based on this approach, we have reviewed your comments for consideration and updated the report accordingly. Please see attached table for our comment responses.

Sincerely,

Martin Pendlebury, P.Eng.

A handwritten signature in blue ink, appearing to read 'M Pendlebury'.

Advisor, Water and Wastewater Infrastructure Planning
Public Works, Region of Peel
Phone: 905-791-7800 ext. 4548
martin.pendlebury@peelregion.ca

		Post Filing Comments	
Comment No.	Section No.	MECP Comments – August 12, 2020	Response, November 19, 2020
Water Comment # 1	N/A	The Report is very high level, and we do not have anything to add on the strategy itself. The report identifies many Schedule A and B (and some C) Municipal Class EA projects. Our interest in these will be mainly construction-related dewatering issues. Sewage Treatment Plant construction and expansion including new outfall locations will be major Schedule C projects that we will review in detail.	Comment filed and will be considered during the completion of future Master Plan identified projects.
General Comment # 1	Volume 2, Section 4.1	The Report outlines the planning policy framework and provincial land use plans that provide direction for managing growth in the province. The Report should indicate which policies in those plans may be applicable to the strategies and projects identified therein and discuss how they conform with those policies.	Additional text added to the end of Section 4.1, page 30, highlighting that all relevant policies considered in the planning for the Region of Peel Infrastructure strategies and projects are detailed further in Appendix 2B – Baseline Environmental Overview.
General Comment # 2	Volume 5, Section 2.6	The report should include additional information regarding engagement with Indigenous communities. If no comments or responses were received from Indigenous communities, the Report should detail any follow-up attempts made to contact those communities	Additional text added to Volume 5, Section 2.6, page 10 detailing additional Indigenous Community Engagement and Consultation throughout the duration and at the completion of the master plan process.

Jasmine Biasi - GM BluePlan

From: Pendlebury, Martin <martin.pendlebury@peelregion.ca>
Sent: Friday, August 14, 2020 10:38 AM
To: Mark Zamojc - GM BluePlan; Sandy Naime - GM BluePlan
Cc: Polga, Miriam; Borowiec, Laura; Motamedi, Kolsoom
Subject: FW: MHSTCI File No. 0008359- Water and Wastewater Master Plan
Attachments: MHSTCI File No. 0008359- Water and Wastewater Master Plan.pdf

Martin Pendlebury, M.A.Sc., P.Eng.
Advisor, Water & Wastewater Strategic Infrastructure Planning
Office of General Manager, Water & Wastewater
Public Works

☎ 905-791-7800 ext. 4548 ✉ martin.pendlebury@peelregion.ca



From: Livingstone, Kimberly (MHSTCI) <Kimberly.Livingstone@ontario.ca>
Sent: August 14, 2020 9:38 AM
To: Pendlebury, Martin <martin.pendlebury@peelregion.ca>
Subject: MHSTCI File No. 0008359- Water and Wastewater Master Plan

CAUTION: EXTERNAL MAIL. DO NOT CLICK ON LINKS OR OPEN ATTACHMENTS YOU DO NOT TRUST.

Good Morning Martin,

Please find attached MHSTCI's comments.

I tried to send this to you previously, but the email did not go through. I would appreciate if you could confirm receipt.

Best Regards,

Kimberly Livingstone | Heritage Planner (A)
Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit
Ministry of Heritage, Sport, Tourism and Culture Industries
401 Bay Street
17th Floor, Suite 1700
Toronto, ON M7A 0A7
416.314.7133
kimberly.livingstone@ontario.ca

Ministry of Heritage, Sport,
Tourism and Culture Industries

Programs and Services Branch
401 Bay Street, Suite 1700
Toronto, ON M7A 0A7
Tel: 416.314.7133

Ministère des Industries du Patrimoine,
du Sport, du Tourisme et de la Culture

Direction des programmes et des services
401, rue Bay, Bureau 1700
Toronto, ON M7A 0A7
Tél: 416.314.7133



August 13, 2020

EMAIL ONLY

Martin Pendlebury, P.Eng.
Advisor, Water and Wastewater Infrastructure Planning
Regional Municipality of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON L6T 4B9
Martin.pendlebury@peelregion.ca

MHSTCI File : 0008359
Proponent : Regional Municipality of Peel
Subject : Notice of Study Completion
Project : 2020 Water and Wastewater Master Plan
Location : City of Mississauga, the City of Brampton and parts of the Town of Caledon, Region of Peel

Dear Mr. Pendlebury:

Thank you for providing the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) with the Notice of Study Completion for the above-referenced project. MHSTCI's interest in this Environmental Assessment (EA) project relates to its mandate of conserving Ontario's cultural heritage, which includes:

- Archaeological resources, including land and marine;
- Built heritage resources, including bridges and monuments; and,
- Cultural heritage landscapes.

Under the EA process, the proponent is required to determine a project's potential impact on cultural heritage resources.

Project Summary

The Region of Peel has completed the 2020 Water and Wastewater Master Plan for its lake-based systems (where Lake Ontario is the source of drinking water and the discharge point for treated wastewater) to update the current 2013 Master Plan.

Review of the Water and Wastewater Master Plan for the Regional Municipality of Peel

MHSTCI has reviewed the 2020 Water and Wastewater Master Plan (Volumes 1-5), prepared by GM BluePlan Engineering Inc., and has the following comments and observations:

- The Report (page 2) informs that the Master Plan is following approach 1 as described in Section 4.4 (Master Plan) of the MCEA. We understand that the Master Plan would therefore become the basis for, and be used in support of, future investigations for the specific Schedule B and C projects identified within it.
- Section 5.2.8 (Cultural Heritage) and/or the Environmental Overview Report should be expanded to describe the existing cultural environment. For example:

Archaeological Resources

- Inform whether the Region of Peel or the City of Mississauga, City of Brampton or Town of Caledon have an Archaeological Management Plan.
- Acknowledge that there are a number of areas within the municipalities that have archaeological potential.
- Articulate and include a commitment that the MHSTCI's screening checklist [Criteria for Evaluating Archaeological Potential](#) will be applied for each of the subsequent projects (specific Schedule B and C projects identified within the Master Plan) to determine if the study area has archaeological potential. If the study area(s) has archaeological potential, then an archaeological assessment(s) will be undertaken by an archaeologist licensed under the *Ontario Heritage Act*. Any archaeological assessment report is to be submitted for MHSTCI review prior to the completion of the environmental assessment and prior to any ground disturbance. Ideally the screening checklist could be applied at the Master Plan phase for the specific projects confirming whether there will be a need to undertake an archaeological assessment in the next phase.

Built Heritage Resources and Cultural Heritage Landscapes

- At a minimum, the Master Plan should document and examine known (previously identified) heritage properties (built heritage resources and cultural heritage landscapes) based on the municipal cultural heritage registers, the Region's and municipalities' approach to conserving cultural heritage, summarize existing resources and provide links to the municipalities' detailed studies. Ideally, the Master Plan should include whether a Cultural Heritage Evaluation Report and/or Heritage Impact Assessment would be undertaken for each specific project identified in the Master Plan (including but not limited to Table 2) . The MHSTCI's screening checklist [Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes](#) can assist with that determination.

Thank you for consulting MHSTCI on this project. If you have any questions or require clarification, please do not hesitate to contact me.

Sincerely,



Kimberly Livingstone
Heritage Planner (A)
Heritage Planning Unit

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MHSTCI makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MHSTCI be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MHSTCI if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the *Ontario Heritage Act* and the *Standards and Guidelines for Consultant Archaeologists*.

If human remains are encountered, all activities must cease immediately and the local police as well as the Registrar, Burials of the Ministry of Government and Consumer Services (416-326-8800) must be contacted. In situations where human remains are associated with archaeological resources, MHSTCI should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.

kimberly.livingstone@ontario.ca

Copied to: Barbara Slattery, EA/Planning Coordinator, MECP, Barbara.slattery@ontario.ca

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MHSTCI makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MHSTCI be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

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Jasmine Biasi - GM BluePlan

From: Jasmine Biasi - GM BluePlan
Sent: Thursday, November 26, 2020 4:08 PM
To: 'kimberly.livingstone@ontario.ca'
Cc: Sandy Naime - GM BluePlan; 'martin.pendlebury@peelregion.ca'; Mark Zamojc - GM BluePlan
Subject: Response to the Final Region of Peel 2020 Water and Wastewater Master Plan Project File Reports and Appendices
Attachments: Region of Peel 2020 WWW MP_MHSTCI Comments Response.pdf

Dear Ms. Livingstone,

Please find attached letter response to MHSTCI comments RE: MHSTCI File No. 0008359 - Peel 2020 Water and Wastewater Master Plan.

The Master Plan document has been updated according to your comments and the updated project file will be posted on the Region of Peel's website.

Please advise if you have any questions or comments.

Thank you,

Jasmine Biasi, B.Eng., E.I.T
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7225 | c: 416.209.1892
jasmine.biasi@gmblueplan.ca | www.gmblueplan.ca



November 19, 2020

Kimberly Livingstone
Heritage Planner
Ministry of Heritage, Sport, Tourism and Culture Industries
401 Bay Street, 17th Floor, Suite 1700
Toronto, ON M7A 0A7

RE: Response to the Final 2020 Water and Wastewater Master Plan Project File Reports and Appendices

Dear Ms. Livingstone:

Further to your letter on August 14th, 2020 and review of the 2020 Water and Wastewater Master Plan Project File, we thank you for the comments you provided during the 45-day review period.

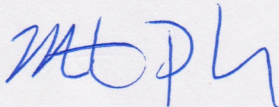
The 2020 Water and Wastewater Master Plan was completed as Approach #1 as outlined in Appendix 4 of the MEA Class EA Manual (2015). The Reports were prepared at a broad level assessment and recognized that further detailed assessment will be required through separate studies or Integrated Planning Approach to satisfy project specific fulfilment of the MEA Class EA requirements for the specific A, A+, B and C projects identified within the Master Plan.

All comments and responses received during the 45-day review period have been added to the Project File as well as any changes made as per the comments received. The full 2020 Water and Wastewater Master Plan Project File will be posted on the Region of Peels website.

Based on this approach, we have reviewed your comments for consideration and updated the report accordingly. Please see attached table for our comment responses.

Sincerely,

Martin Pendlebury, P.Eng.



Advisor, Water and Wastewater Infrastructure Planning
Public Works, Region of Peel
Phone: 905-791-7800 ext. 4548
martin.pendlebury@peelregion.ca

		Post Filing Comments	
Comment No.	Section No.	MHSTCI Comments – August 13, 2020	Response, August 20, 2020
1	N/A	The Report (page 2) informs that the Master Plan is following approach 1 as described in Section 4.4 (Master Plan) of the MCEA. We understand that the Master Plan would become the basis for, and be used in support of, future investigations for the specific Schedule B and C projects identified within it	Comment acknowledged and no response required at this time.
2	Volume 2, Section 5.2.8	<p>Section 5.2.8 (Cultural Heritage) and/or the Environmental Overview Report should be expanded to describe the existing cultural environment. For example:</p> <p>Archaeological Resources</p> <ul style="list-style-type: none"> • Inform whether the Region of Peel or the City of Mississauga, City of Brampton or Town of Caledon have an Archaeological Management Plan. • Acknowledge that there are a number of areas within the municipalities that have archaeological potential. • Articulate and include a commitment that the MHSTCI's screening checklist Criteria for Evaluating Archaeological Potential will be applied for each of the subsequent projects (specific Schedule B and C projects identified within the Master Plan) to determine if the study area has archaeological potential. If the study area(s) has archaeological potential, then an archaeological assessment(s) will be undertaken by an archaeologist licensed under the Ontario Heritage Act. Any archaeological assessment report is to be submitted for MHSTCI review prior to the completion of the environmental assessment and prior to any ground disturbance. Ideally the screening checklist could be applied at the Master Plan phase for the specific projects confirming whether there will be a need to undertake an archaeological assessment in the next phase. <p>Built Heritage Resources and Cultural Heritage Landscapes</p>	<p>Additional text included in Volume 2, Section 5.2.8 Cultural Heritage, Page 48.</p> <p>Additional text highlights the high-level review of cultural heritage and archaeological features that was completed to provide a context of features within the study area. The high-level review also provides a basis for future archaeological and cultural heritage investigations to be conducted under individual projects identified in the Master Plan.</p>

		<ul style="list-style-type: none">• At a minimum, the Master Plan should document and examine known (previously identified) heritage properties (built heritage resources and cultural heritage landscapes) based on the municipal cultural heritage registers, the Region's and municipalities' approach to conserving cultural heritage, summarize existing resources and provide links to the municipalities' detailed studies. Ideally, the Master Plan should include whether a Cultural Heritage Evaluation Report and/or Heritage Impact Assessment would be undertaken for each specific project identified in the Master Plan (including but not limited to Table 2). The MHSTCI's screening checklist Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes can assist with that determination	
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Jasmine Biasi - GM BluePlan

From: Pendlebury, Martin <martin.pendlebury@peelregion.ca>
Sent: Tuesday, June 30, 2020 1:26 PM
To: Polga, Miriam; Borowiec, Laura; Motamedi, Kolsoom; Mark Zamojc - GM BluePlan; Sandy Naime - GM BluePlan
Subject: FW: Water & Wastewater Master Plan for the Lake-based Systems - Region of Peel
Attachments: Water & Wastewater Master Plan for the Lake-based Systems - Region of Peel - Response (Signed).pdf

Martin Pendlebury, M.A.Sc., P.Eng.
Advisor, Water & Wastewater Strategic Infrastructure Planning
Office of General Manager, Water & Wastewater
Public Works

☎ 905-791-7800 ext. 4548 ✉ martin.pendlebury@peelregion.ca



From: Charlotte Gurnsey <consultation@mbq-tmt.org>
Sent: June 30, 2020 1:22 PM
To: Pendlebury, Martin <martin.pendlebury@peelregion.ca>
Cc: Lisa Maracle <lisam@mbq-tmt.org>; Nicole Storms <nicoles@mbq-tmt.org>
Subject: Water & Wastewater Master Plan for the Lake-based Systems - Region of Peel

CAUTION: EXTERNAL MAIL. DO NOT CLICK ON LINKS OR OPEN ATTACHMENTS YOU DO NOT TRUST.

Good afternoon Mr. Pendlebury,

Please find attached the Mohawks of the Bay of Quinte's official response to the Water and Wastewater Master Plan for the Lake-based Systems in the Region of Peel.

Should you have any comments or questions, please reach out to me directly.

Kind regards,



Charlotte E. Gurnsey, B.Soc.Sc.

Consultation Coordinator

Mohawks of the Bay of Quinte - Kenhteke Kanyen'kehá:ka

24 Meadow Dr., Tyendinaga Mohawk Territory, ON K0K 1X0

T: 613-396-3424 Ext. 155 | E: consultation@mbq-tmt.org

F: 613-396-3627 | W: <http://www.mbq-tmt.org/>



MOHAWKS OF THE BAY OF QUINTE

KENHTEKE KANYEN'KEHÀ:KA

COMMUNITY INFRASTRUCTURE / TECHNICAL SERVICES / ENVIRONMENT

24 Meadow Drive., Tyendinaga Mohawk Territory, ON K0K 1X0

Phone 613-396-3424 Fax 613-396-3627

June 30th, 2020

Martin Pendlebury
Project Manager: Water
Region of Peel
10 Peel Centre Dr., 4th Floor, Suite A,
Brampton, ON L6T 4B9

RE: Region of Peel 2020 Water and Wastewater Master Plan for the Lake-based Systems

Dear Mr. Pendlebury,

We acknowledge your invitation to participate in the assessment process as it relates to the 2020 Water and Wastewater Master Plan for the Lake-based Systems in the Region of Peel.

As a First Nation with limited resources and capacity it is difficult to actively participate in all environmental assessments in the surrounding area; however, the Mohawks of the Bay of Quinte (MBQ) would be concerned if the preliminary archaeological investigations found burial remains. There is a traditional process that must be followed for the repatriation or re-interment of remains.

The Mohawks of the Bay of Quinte expect the project to be carried out in an environmentally sensible manner that is consistent with the laws and regulations governing the said project. We appreciate your efforts in our endeavors to determine proper use of lands of interest to the community, the prevention or mitigation of anticipated and non-anticipated effects of the proposed project, and efforts to ensure maximum benefit to our community and generations to come.

The above shall not be construed so as to derogate from or abrogate any inherent, Aboriginal, treaty, constitutional, or legal rights of the Mohawks of the Bay of Quinte.

Sincerely,

R. Donald Maracle, Chief
Mohawks of the Bay of Quinte

Cc: File

Jasmine Biasi - GM BluePlan

From: Jasmine Biasi - GM BluePlan
Sent: Thursday, November 26, 2020 4:19 PM
To: 'consultation@mbq-tmt.org'
Cc: Sandy Naime - GM BluePlan; Mark Zamojc - GM BluePlan;
'martin.pendlebury@peelregion.ca'; 'lisam@mbq-tmt.org'; 'nicoles@mbq-tmt.org'
Subject: Response to the Final Region of Peel 2020 Water and Wastewater Master Plan Project
File Reports and Appendices
Attachments: Region of Peel 2020 WWW MP_MBQ Comments Response.pdf

Dear Ms. Gurnsey,

Please find attached a letter response to the official comments from the Mohawks of the Bay of Quinte RE: Region of Peel 2020 Water and Wastewater Master Plan for the Lake-Based System.

The Master Plan document has been updated considering your comments and the updated project file will be posted on the Region of Peel's website.

Please advise if you have any questions or comments.

Thank you,

Jasmine Biasi, B.Eng., E.I.T
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7225 | c: 416.209.1892
jasmine.biasi@gmblueplan.ca | www.gmblueplan.ca



November 19, 2020

R. Donald Maracle
Chief
Mohawks of the Bay of Quinte
24 Meadow Drive
Tyendinaga Mohawk Territory, ON, K0K 1X0

RE: Response to the Final 2020 Water and Wastewater Master Plan Project File Reports and Appendices

Dear Chief Maracle,

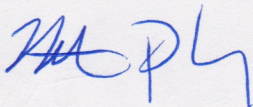
Thank you for your comments received in your letter dated the 30th June, 2020, regarding the 2020 Water and Wastewater Master Plan. Your comments and helpful information have been added to the Master Plan document for future reference.

The Master Plan Report is a strategic high-level implementation plan for water and wastewater servicing. The Report was prepared at a broad level of assessment and recognizes that further detailed assessment will be required through separate studies or Integrated Planning Approach to satisfy project specific fulfilment of relevant regulatory, legal and MEA Class EA requirements for the specific A, A+, B and C projects identified.

The Region is committed to undertaking the appropriate environmental, archaeological and cultural heritage assessments to support the planning and construction of individual projects recommended in the Master Plan. We look forward to future engagement with the Mohawks of the Bay of Quinte through this process.

Sincerely,

Martin Pendlebury, P.Eng.



Advisor, Water and Wastewater Infrastructure Planning
Public Works, Region of Peel
Phone: 905-791-7800 ext. 4548
martin.pendlebury@peelregion.ca

Jasmine Biasi - GM BluePlan

From: Pendlebury, Martin <martin.pendlebury@peelregion.ca>
Sent: Friday, August 14, 2020 10:35 AM
To: Mark Zamojc - GM BluePlan; Sandy Naime - GM BluePlan
Cc: Polga, Miriam; Borowiec, Laura; Motamedi, Kolsoom
Subject: FW: 59268 - Final Water/Wastewater Master Plan Report - Peel Region
Attachments: 59268 - Peel Water-Wastewater Master Plan - 2020 - Final.pdf; CutandFill updated Oct08 (1) (1).pdf

Martin Pendlebury, M.A.Sc., P.Eng.

Advisor, Water & Wastewater Strategic Infrastructure Planning
Office of General Manager, Water & Wastewater
Public Works

☎ 905-791-7800 ext. 4548 ✉ martin.pendlebury@peelregion.ca



From: Sharon Lingertat <Sharon.Lingertat@trca.ca>
Sent: August 12, 2020 12:43 PM
To: Pendlebury, Martin <martin.pendlebury@peelregion.ca>
Cc: Beth Williston <Beth.Williston@trca.ca>; Victoria Kramkowski <Victoria.Kramkowski@trca.ca>
Subject: 59268 - Final Water/Wastewater Master Plan Report - Peel Region

CAUTION: EXTERNAL MAIL. DO NOT CLICK ON LINKS OR OPEN ATTACHMENTS YOU DO NOT TRUST.

Good afternoon Martin,

Please find attached our comments on the final Master Plan report.

Please let me know if you have any questions or would like to discuss further.

Regards,

Sharon Lingertat, B.Sc. (Hons), MCIP, RPP

Senior Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [416\) 661-6600](tel:(416)661-6600) ext. 5717

C: [437\) 333-4183](tel:(437)333-4183)

E: sharon.lingertat@trca.ca

A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](https://www.trca.ca) | [trca.ca](https://www.trca.ca)



August 12, 2020

CFN 59268

BY EMAIL ONLY (martin.pendlebury@peelregion.ca)

Martin Pendlebury, P.Eng.
Advisor, Water and Wastewater Infrastructure Planning
Regional Municipality of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON L6T 4B9

Dear Mr. Pendlebury:

**Re: Final 2020 Water/Wastewater Master Plan for the Lake-Based System
Regional Municipality of Peel**

Toronto and Region Conservation Authority (TRCA) staff received the Notice of Study Completion together with a link to the final Water and Wastewater Master Plan for the Lake-Based System (Volumes 1 to 5), on June 25, 2020.

PROJECT OVERVIEW

The Region of Peel (the Region) has completed work on the 2020 Water and Wastewater Master Plan for the Lake-Based System which addresses increasing demands on the Region's water and wastewater infrastructure. The study follows Approach 1 of the Municipal Engineer's Association Class Environmental Assessment (EA) process which fulfills the requirements for Schedule A and A+ projects, and provides a basis for future investigations for Schedule B and C projects. The Region has also taken into consideration the water demand requirements of York Region which are serviced through the central and east transmission systems within the Region. The Peel-Toronto wastewater agreement has also been factored into these considerations including upgrades to the G.E. Booth site which treats some of the Toronto flows. As such, the study area covers the City of Mississauga, City of Brampton, parts of the Town of Caledon and considers the Region's capital plan to meet current and on-going service agreements with York Region and the City of Toronto. This study does not examine the groundwater-based systems or communal wastewater systems in Caledon as those are addressed separately by the Region.

Key changes from the previous master plan includes:

- Planning projections to the new 2041 planning horizon.
- Expansion of the future lake-based servicing boundary to areas north of Mayfield Road and west Bolton.
- Changes to the master plan evaluation criteria, including the addition of innovation/adaptation criteria.
- Increased focus on climate change considerations in the Region's decision-making and planning process

PROJECT REVIEW

Staff has reviewed the final Master Plan and are encouraged that the Region is considering sustainability principles within the development of the servicing strategies, as well as the use of existing and future proposed roads to construct new underground systems. We also appreciate that the options for a stream-based water supply system and groundwater-based supply system in this study area have been ruled out, and that the use of existing water/wastewater systems and facilities will be maximized. An overview of our comments is provided in the sections below with additional specific comments contained in Appendix A of this letter.

Construction Within Roads

Based on the available mapping within the Master Plan report, the Region has chosen to focus on avoiding disruptions to natural and cultural heritage resources, and minimizing environmental crossings by focusing many of the new servicing lines within existing or proposed road right-of-ways. Since road right-of-ways can extend for some distance outside of paved road surfaces, into the natural heritage system (NHS), consideration should be given to coordinating efforts with local and regional road designs to optimize opportunities where underground infrastructure can be accommodated under or over bridges. This avoids the need to swing pipes out from the road into the NHS and avoids the need for future access into valley systems, adjacent to watercourses and within natural hazards (flood plains, areas prone to erosion).

In addition, several of the wastewater alignments for instance show new infrastructure on future streets that appear to run parallel to watercourses and within on-going future settlement boundary expansion study areas which are currently under review. As such, it is unclear how certain alignments within the Town of Caledon for instance were determined (refer to comments 9 and 10 in Appendix A). It is our understanding that appropriate setbacks for these roads will be established as part of the planning and permitting processes.

It is also our understanding that there are on-going EA's for several underground infrastructure projects such as the Etobicoke Creek Sanitary Trunk Sewer Twinning (WW-T-249) where alternative alignments remain under review, including options to align within existing roads. Another example is the proposed watermain (W-D-247) along Atlantic Drive and future Creekbank Road from Britannia Road East to Sismet Road. This road has not yet been approved and has been on hold for several years now. While this watermain is shown as a schedule A+ permit, its alignment relies on the future road construction and integration within that new road.

Impacts to the NHS through the construction of new underground infrastructure and associated above-ground connections (e.g., pumping stations, tanks, access roads) through the NHS are inevitable within an urban context. However, this can lead to cumulative impacts on the NHS, habitat fragmentation and loss of biodiversity if permitted to expand unchecked.

It is recommended that:

- Efforts be made to ensure future underground infrastructure remains within the paved surface of the road, or under/over bridge/culvert crossings where possible.
- New services that will not follow existing or future approved roads, or that are shown within expansion areas that have yet to be approved, should be highlighted in the report and mapping and noted that further study is required at those locations either through the Planning Act or EA Act processes.
- Where possible, efforts to move infrastructure out of the natural hazard areas and the NHS should be pursued in efforts to enhance the Region's Greenlands System and avoid further hardening of the NHS.

It is a requirement that:

- New infrastructure not parallel watercourses as per TRCA's [The Living City Policies](#).
- Forest edge management plans to mitigate negative impacts to existing woodlands will be required where infrastructure is planned adjacent to existing forests.

Stormwater Management/Flood Plain Management

The conversion of land from permeable to impermeable surfaces alters the hydrologic cycle, results in the decline of infiltration and evapotranspiration, and results in an increase in both the volume and flow of surface runoff. Without adequate stormwater management (SWM), this fundamental change in the hydrologic cycle can lead to an increase in the frequency and intensity of flooding events, an exacerbation of erosion, and a decline in water quality. Stormwater management principles and integration of low impact development (LID) and green infrastructure should be included early in the planning, development and design stages of these infrastructure projects (e.g., expanded tank or pumping station locations, permanent access pads).

In addition, recent discussions with Regional water/wastewater staff clarified TRCA requirements for filling or grading within TRCA regulated areas. It was noted that should fill or grading be required to facilitate the construction of a water/wastewater systems for example that there should be no increase to the existing flood risk, nor should there be a reduction in the existing flood storage. In addition, restoration and compensation may be required depending on the location of the work and impacts to the NHS.

It is a requirement that:

- The Region utilize TRCA's watershed wide scale stormwater management criteria (quantity control, quality control, erosion control, and site water balance) to minimize the impacts of new undertakings.
- In order to maintain the existing flood storage, a cut/fill balance analysis and hydraulic analysis will be required as per TRCA's Balanced Cut and Fill Procedure (attached)
- Disturbed sites be restored and permanent losses to the NHS be compensated for based on TRCA's [Guideline for Determining Ecosystem Compensation](#) (or most current guiding document).

Proposed Costing

The capital program includes a total estimated cost summary for the preferred water/wastewater servicing strategy. The base construction costs consider factors such as creek crossings and tunneling requirements, and have also been categorized based on project complexity. TRCA staff appreciates that the projects ranked as having "High Complexity" factored in costs to cover significant restoration requirements and environmental features that may require additional approvals or mitigation. The "Low Complexity" projects for example note that minimal restoration will be required or will be coordinated with a road construction or widening project and involve little or no environmental features/crossings. The Master Plan also has project contingency funds factored into the overall costs. Our concern is that infrastructure is often located within the flood plain and at lower flood elevations than the regulatory storm event (e.g., maintenance holes). It is unclear whether costs consider locating infrastructure at appropriate setbacks within flood plains and valley systems to ensure no surcharging during regional storm conditions for instance.

It is recommended that:

- Costs factor in drilling distances and design to ensure above-ground infrastructure and infrastructure located in/near valleys or watercourses (e.g., maintenance holes, access pads) is located out of the flood plain to avoid risk associated with surcharging during regional storm events, impacts to the flood plain and risk to Regional infrastructure.

Climate Change Mitigation

The Region has identified climate change as one of the guiding principles in the development of servicing strategies. This includes designing systems for more frequent and intense wet weather events. The Region's Climate Change Master Plan acknowledges that growth within the Region results in added pressures and further stresses to both infrastructure and natural systems, and that infrastructure must be adapted to be more resilient to extreme weather events, ensuring that it is built to withstand a range of climate hazards.

While staff commends the Region for integrating climate change into their infrastructure strategy, climate resilience should not only capture capacity issues, but also the location of existing and proposed infrastructure within valley systems, adjacent to watercourses, through wetlands and within flood plains. Historically water and wastewater systems were constructed along major flood conveyance channels (e.g., Etobicoke Creek). Through channel migration and frequent flood events, underground infrastructure has become exposed over time resulting in on-going maintenance costs and the need to harden naturalized channels. The NHS has the ability to adapt itself to hazard conditions, if left undisturbed, and setbacks from natural hazards are established for reasons based on risk to life and property. As such, it is important to ensure new infrastructure is located out of these dynamic systems, to the extent possible.

It is recommended that:

- The Region not only examine system capacity issues, but construct new infrastructure outside of natural hazard areas (flood plain, erosion risks) to the extent possible.
- The Region remove end of life infrastructure from the NHS and natural hazard areas where opportunities exist.
- The Region recognize the role that a connected and robust NHS has on climate change mitigation and adaptation, and consequently on protecting water/wastewater infrastructure from flooding and erosion.
- The Region avoid and minimize disturbance and removals, and provide enhancements to the NHS when the opportunity to do so arises when planning and designing water/wastewater infrastructure.

Municipal Class EA Process

The majority of the projects listed within the report fall under Schedule A or A+ and will go straight to detailed design/permitting. Refinement of the infrastructure locations may be required based on the outcome of future EA studies, or at the detailed design stage given that most will proceed as Schedule A projects. However, some infrastructure will need further assessment through the Schedule B or C EA process, such as the options for a new elevated tank and new inground reservoir within Pressure Zone 7, as outlined in the report.

It is further recognized that the province is currently revising the Municipal Class EA process. TRCA has had the opportunity to review the amendments as per the current ERO posting and staff understands that the Schedule requirements (A through C, as well as Individual EA) are subject to modification. Please note that for the projects listed here as schedule C, TRCA staff expects that they will remain as a Schedule C (or higher) through the new Class EA amendments. We also understand based on Section 2, Volume 2 of the Master Plan that the approach taken for this Master Plan becomes the basis for future investigations for specific Schedule B and C projects. As noted in Appendix A of this letter, there are several projects listed within the Master Plan that we have concerns with (including those identified as Schedule A/A+) however, we anticipate future involvement for any work within TRCA regulated areas.

It is recommended that:

- All projects identified as Schedule C in this Master Plan be considered as Schedule C further to the current (unapproved) provincial Class EA amendments. Any proposed changes to this designation should be subject to consultation as alternative alignments have not been considered. TRCA staff is particularly concerned with the Etobicoke Creek Trunk Sanitary Sewer Improvements for example, which should remain as a Schedule C as TRCA staff are not supportive of construction of new linear systems within and parallel to valley systems as it does not adhere to TRCA policy or regulatory requirements.
- As projects move to the EA or detailed design, respectively, it is strongly recommended that Regional staff engage with TRCA staff through provisions in our Service Level Agreement to initiate pre-consultation as early as possible.
- A copy of the draft Request for Proposal (RFP) be sent to TRCA at both the EA and design stages based on level of risk, and proximity to natural hazards and the NHS. This ensures that our interests are met at both the EA stage for the more complex projects and at the design and construction stages.

We look forward to working with Region of Peel staff on future water/wastewater projects through both the EA, design and permitting stages.

Should you have any questions please contact me at extension 5717 or by email at sharon.lingertat@trca.ca

Regards,



Sharon Lingertat
Senior Planner, Infrastructure Planning and Permits
Development and Engineering Services

Attached: TRCA's Balanced Cut and Fill Procedure

BY EMAIL

cc: TRCA: Beth Williston, Associate Director, Infrastructure Planning and Permits
Victoria Kramkowski, Government and Community Relations Specialist

APPENDIX A: ADDITIONAL TRCA COMMENTS

SITE SPECIFIC COMMENTS

Future Clark Boulevard Watermain (W-D-031)

1. It is our understanding that the City of Brampton has just commenced the EA for the future extension of Clark Boulevard from Rutherford Road to Eastern Avenue. Although there are defined connection points at either end of the study area for the road, there are a number of issues that need to be addressed through that EA process. As such, it is unclear at this time where the road will be constructed (between the connection points) given the location of the existing channel and need to possibly realign the channel. Please ensure this is considered in your proposed scope of work and timing for the associated watermain.

Church Street East Watermain (W-D-277)

2. A future watermain is proposed along Church Street from East of Centre Street North to Main Street. Please note that the [Downtown Brampton Flood Protection EA](#) has been completed to mitigate future flooding issues within the Brampton downtown core. Works include bridge replacements within the downtown core (including along Church Street) and a widening of the Etobicoke Creek channel by approximately 50 m. Please ensure that any future crossings of Etobicoke Creek within the Brampton downtown core are coordinated with the flood mitigation study.

McVean Sewage Pumping Station Expansion

3. The Master Plan identifies a separate study listed for the McVean Diversion Class EA to divert flows away from the McVean Sewage Pumping Station (WW-T-243). Option 3 is identified as the preferred solution to address capacity issues at the McVean station. As such, it is unclear if an expansion to the McVean Sewage Pumping station is proposed for the year 2023. We also note that a McVean sewage pumping station feasibility study is included in the Volume 4 Appendix of the Master Plan, dated May 2020. Based on this preliminary evaluation it seems that the preferred solution is to construct a bypass sewer along Castlemore Road and Airport Road with a connection at Auction Lane. This option would avoid new work at the sanitary pumping station, beyond existing site limits. The Master Plan also notes that this option requires the completion of a Schedule C EA.

Please ensure TRCA staff are kept informed of any new work proposed at the McVean Pumping Station as we provided comments to the Region in 2018 regarding future upgrades to this station. That proposed work would have involved expansions into TRCA owned lands associated with Claireville Conservation Area and lands that are actively being farmed and are currently under other land use agreements. Please also note that the 5.3.3.4 evaluation does not include consideration of impacts to conservation lands or the NHS.

Queensway East Sanitary Trunk Sewer (WW-T-131)

4. Construction of a sanitary trunk sewer along The Queensway from Hurontario Street to the East Sanitary Trunk Sewer which connects within the Etobicoke Creek valley is proposed. It is noted that this will need to be evaluated through a future EA. Please ensure TRCA staff is kept informed of this study.

Etobicoke Creek Sanitary Trunk Sewer Twinning (WW-T-249)

5. The existing Etobicoke Creek twin trunk sewers from approximately Kennedy Road to south of Highway 407 are experiencing capacity constraints. The Region is currently undertaking a Schedule C Class EA to examine alternatives to address future capacity issues. Mapping within the Master Plan shows a proposed sewer running parallel to the Etobicoke Creek. It is our understanding that the EA will examine alternate routes that do not parallel the creek, including

an option along Kennedy Road (also shown on the mapping). It is unclear if the mapping is showing possible routes of it these have already been determined. Please clarify.

Atlantic Drive/Creekbank Road Watermain (W-D-247)

6. A watermain is proposed along Atlantic Drive and future Creekbank Road from Britannia Road East to Sismet Road for the year 2027. This road has not yet been constructed and review has been on hold for several years now. While this watermain is shown as a schedule A+ permit, it is truly reliant on the future road construction and integration with the road design. If the watermain moves forward in advance of the road work, please ensure appropriate studies are conducted to determine the alignment.

G.E. Booth Wastewater Treatment Plant (WWTP)

7. The Master Plan notes that various treatment plant upgrades will be required to meet projected wastewater flows to the year 2041. This includes improvements and expansions to the G.E. Booth WWTP. Although this plant is outside of TRCA's jurisdiction, construction at the adjacent Jim Tovey Lakeview Conservation Area (JTLCA) is a joint project between the Region, Credit Valley Conservation (CVC) and the TRCA. This project is currently underway and involves the creation of a new 26 ha conservation park along the eastern Mississauga shoreline. Completed work includes the creation of the east and west Serson wetlands, approximately 300 m of the Serson channel extension which includes the outlet to Lake Ontario, construction of the Applewood wetland, the installation of aquatic plants in the Serson wetlands, the construction of confinement berms, earth filling, completion of approximately 750 m of armourstone revetment, fine grading, topsoiling, seeding and terrestrial planting of several confinement cells and interim protection of rubble confinement berms. Based on the close proximity of the G.E. Booth WWTP to this project, and with the commencement of the G.E. Booth WWTP EA, please ensure that efforts at this plant are coordinated with TRCA and CVC staff. Staff are also interested in any opportunities to coordinate efforts with the Region that would complement on-going work at the JTLCA.

Bolton Sanitary Pumping Station

8. It is unclear at this time whether future expansions to this pumping station will be required. As this site is surrounded by TRCA owned lands, under management agreement with the Town of Caledon, please ensure TRCA staff is involved early in the planning processes should any future work at this location be required.

Tullamore/Airport Rd (5.3.3.5)

9. The preferred option appears to show a new sewer connection between Innis Lake Road and Centreville Creek Road just north of Mayfield Road and between Innis Lake Road and Airport Road north of Mayfield Road. The associated table indicates that ST-254 and ST-196/195 will be constructed along future roads, however, ST-254 for example appears to be located between two watercourses. We understand that this infrastructure is not planned until the year 2036, however, it is our understanding that these locations are not part of an approved settlement area so it is unclear how these alignments were determined. Please clarify.

Mayfield West (ST-188, ST-191, ST-193)

10. New infrastructure is proposed north of Mayfield Road between Heart Lake Road and Dixie Road, as well as west of Hurontario Street. It is our understanding that these roads fall within the settlement boundary expansion area and as such the roads within these areas have not yet been planned. It is therefore unclear how it was determined that this underground infrastructure would follow these alignments. Please clarify.

Dundas Connects

11. Volume 2, Section 3.8 – The Dundas Connects Master Plan was endorsed in 2018 which aims to integrate transportation and land use planning. As part of that planning process, significant changes to the valley system at Little Etobicoke Creek were proposed (widening). The City of Mississauga also just released a Notice of Study Commencement for the Dixie-Dundas Flood Mitigation Project. As such any future water/wastewater servicing along Dundas Street at Little Etobicoke Creek requires careful planning to ensure consistency with future changes to the valley crossing at this location.

FLOOD PLAIN/STORMWATER MANAGEMENT COMMENTS

12. Some of the undertakings listed in the Master Plan will introduce new pavement which will generate additional runoff that may impact receiving watercourses and flood conditions. As such TRCA requires that the Region utilize TRCA's watershed wide scale stormwater management criteria (quantity control, quality control, erosion control, and site water balance) to minimize the impacts of new undertakings. Please refer to the TRCA LID Manual to identify possible low impact measures to address the water balance and erosion control criteria.
13. Any proposed grading or fill placement within the flood plain to access or construct this infrastructure should not cause an increase to the existing flooding risk and should not reduce the existing flood storage. In order to maintain the existing flood storage, a cut/fill balance analysis will be required as per TRCA's Cut and Fill Balance Protocol (attached).

GENERAL COMMENTS

14. Appendix 2, Section 7.2 – An ERO posting on the proposed streamlining of the EA process for the GTA West Transportation Corridor is currently available for review and comment. MTO also just released their preferred route alignment for this corridor. Adjustments to this section of the report may be required.
15. Volume 2, Appendix 2B – Section 2.8 of the Appendix refers to Source Water Protection. Source Water Protection is also mentioned in various sections throughout the report and appendices. While TRCA staff will continue to flag Source Water Protection concerns through our reviews, it is our understanding that the Region will continue to work through their own Risk Management Official to ensure concerns are addressed on a project specific basis. It is recommended that maps of sensitive areas, as it relates to source water, be included in the document for greater clarity.
16. Volume 2, Section 4.2 – Please note that Conservation Authorities not only act as commenting agencies under the Planning Act, but also the Environmental Assessment Act.

BALANCED CUT AND FILL PROCEDURE

(Toronto and Region Conservation)

OBJECTIVE

Prior to proceeding with a proposed cut and fill, approval must be obtained from Authority staff. Cut and fill operations may not be permitted subject to unacceptable impacts within the valley/stream corridor (eg., ecological constraints, slope stability, etc.).

There are three basic types of valley flood storage which need to be addressed with respect to impacting flooding. The primary type can be described as *Active Floodplain Storage*. This storage is located within the effective flow area of the floodplain and is impacted directly by a loss of conveyance. This storage is formed by the floodplain areas which are normally modelled by HecRas to develop flood levels. The second type of storage can be described as *Passive Floodplain Storage*. This type of storage is located in areas of ineffective flow which store water during a flooding event and subsequently drain back to the river following passage of the flood peak. The third type of storage could be identified as *Dead Storage*. This type of storage would be low lying areas on depressions which fill with flood water but do not drain back to the river by surface means following a flooding event.

When a cut and fill operation has been approved by TRCA staff the proponent must provide detailed plans and calculations demonstrating that the volume of fill will be equal to or less than the volume of cut from the existing floodplain on an incremental basis. To ensure the existing stage-storage relationship is maintained a cut/fill balance must be achieved at every 0.3m increment of elevation.

NOTE:

- In any balanced cut and fill procedure, passive storage must be balanced with passive and active storage with active.
- The cut/fill balance should occur incrementally (0.3m) and within the same cross-section.

POINTS TO CONSIDER

- Cut and fill operations should not extend within the calculated meander belt, or, within 15 meters from the low flow channel for warmwater conditions or 30 meters for coldwater conditions, whichever is greater.
- Cut/fill slopes should not exceed 3:1 or be flatter than 2%.

CONCEPTUAL PLAN

- Submit a clearly labelled plan showing the watercourse, vegetation type, fill and flood lines and boundary of the proposed development.
- The proposed cut and fill areas should be shaded on the plan view.
- Label on the plan the existing and proposed Regional storm and 100 year storm floodlines.

- Plot on the plan all the cross sections (stations) which bisect the areas of cut and/or fill. (See attached sample.)

CUT AND FILL CALCULATIONS

- Perform the cut and fill calculation for every vertical increment of 0.3 m (i.e., up to the Regional storm flood elevation).
- Plot all cross-sections on graph paper, as shown. Each cross-section must indicate existing and proposed elevations and the Regional storm flood elevations.
- The Average-End-Area method is preferred to calculate cut/fill volumes (see sample calculation provided).
 1. The area between the existing and proposed grades on each cross-section should be labelled cut or fill.
 2. Using two parallel cross-sections the average-end-area of these sections is to be determined. The volume is calculated by taking the average of the two cross-sectional areas and multiplying by the distance between the cross-sections. This calculation is completed for every 0.3 meter increment of elevation. Refer to the attached sample calculation.
- A summary table should be provided showing the volume of cut and fill at every 0.3 meter increment. Refer to the attached sheets.

HYDRAULIC ANALYSES

To ensure there is no significant impact on upstream and downstream flood levels and erosion potential, a hydraulic analysis (HECRas model) must be performed for the proposed conditions.

- Obtain an original copy of the existing conditions HECRas model from TRCA staff.
- Provide a location plan of all HECRas cross-sections used in the analysis (i.e., if new sections are required over and above the existing condition model).
- Submit a digital and hard copy of the input and output files for the proposed condition.
- A table should be submitted comparing the existing and proposed conditions (i.e., flood elevations and flow velocities for the 2 year to Regional storm events)

EROSION AND SEDIMENT CONTROL PLAN

- An erosion and sediment control (ESC) plan must be provided, indicating locations and types of all sediment control measures.

- Provide details of the proposed ESC measures to be used.
- Submit a detailed grading plan of the site reflecting the proposed cut and fill.

SAMPLE AVERAGE-END-AREA
Between Cross Section Y37.0 and Y42.0

Incremental elevation 158.50 - 158.80

Distance between Y37.0 and Y42.0 is 5 m

Steps to Determining the Average-End-Area

1. Area of Fill at Section Y 37.0 = 0.9 m²
2. Area of Fill at Section Y 42.0 = 0.675 m²
3. Average Area = (0.9 + 0.675) /2 = 0.788 m²
4. Volume of Cut = 0.788 m² * 5 m = **3.94 m³**

Jasmine Biasi - GM BluePlan

From: Jasmine Biasi - GM BluePlan
Sent: Thursday, November 26, 2020 4:14 PM
To: 'sharon.lingertat@trca.ca'
Cc: Sandy Naime - GM BluePlan; Mark Zamojc - GM BluePlan;
'martin.pendlebury@peelregion.ca'; 'beth.williston@trca.ca';
'victoria.kramkowski@trca.ca'
Subject: Response to the Final Region of Peel 2020 Water and Wastewater Master Plan Project
File Reports and Appendices
Attachments: Region of Peel WWW MP - TRCA Comments Response.pdf

Dear Ms. Lingertat,

Please find attached a letter response to TRCA comments RE: 59268 – Final Water/Wastewater Master Plan Report – Peel Region.

The Master Plan document has been updated according to your comments and the updated project file will be posted on the Region of Peel's website.

Please advise if you have any questions or comments.

Thank you,

Jasmine Biasi, B.Eng., E.I.T
Infrastructure Planning

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November 19, 2020

Sharon Lingertat
Senior Planner, Infrastructure Planning and Permits
Toronto and Region Conservation Authority
101 Exchange Avenue
Vaughan, ON L4K 5R6

RE: Response to the Final 2020 Water and Wastewater Master Plan Project File Reports and Appendices

Dear Ms. Lingertat,

Further to your letter on August 12th, 2020 and review of the 2020 Water and Wastewater Master Plan Project File, we thank you for the comments you provided during the 45-day review period.

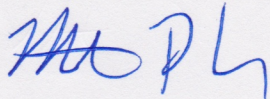
The 2020 Water and Wastewater Master Plan was completed as Approach #1 as outlined in Appendix 4 of the MEA Class EA Manual (2015). The Reports were prepared at a broad level assessment and recognized that further detailed assessment will be required through separate studies or Integrated Planning Approach to satisfy project specific fulfilment of the MEA Class EA requirements for the specific A, A+, B and C projects identified within the Master Plan.

All comments and responses received during the 45-day review period have been added to the Project File as well as any changes made as per the comments received. The full 2020 Water and Wastewater Master Plan Project File will be posted on the Region of Peels website.

Based on this approach, we have reviewed your comments for consideration and updated the report accordingly. Please see attached table for our comment responses.

Sincerely,

Martin Pendlebury, P.Eng.



Advisor, Water and Wastewater Infrastructure Planning
Public Works, Region of Peel
Phone: 905-791-7800 ext. 4548
martin.pendlebury@peelregion.ca

		Post Filing Comments	
Comment No.	Section No.	TRCA Comments – August 12, 2020	Response, November 19, 2020
Project Overview	General	TRCA provided a summary of the 2020 Master Plan study which included an understanding of the Master Plan MEA Approach, the water demand requirements and wastewater agreements considered, and the study area. TRCA also acknowledged the changes from the previous 2013 Master Plan.	No Response Required.
Project Review	Construction Within Roads	TRCA provided a summary of the projects identified in the Master Plan that would be constructed along current and future roads. TRCA requested that the Master Plan document highlight that several alignments are identified along future unapproved roads and are therefore subject to potential change. TRCA recommended that the Natural Heritage System be enhanced where possible, and impacts mitigated to avoid further hardening. TRCA also listed requirements to the projects identified in the Master Plan including that all new infrastructure not parallel watercourses and mitigation of impacts to woodlands be ensured by developing forest edge management plans where proposed infrastructure is adjacent.	Comments Acknowledged. Alignments identified in the Master Plan are preliminary and subject to change as the locations are reliant on the review and approval of future roads and integration with these roads. Please see response to Site Specific Comment 9 and 10 regarding the additional text added to the Master Plan Document to highlight that further studies may be required based on future road and expansion area approval. The Master Plan document was prepared at a high-level and considered the Natural Heritage System in the preliminary planning of infrastructure. Future studies and investigations will be completed for projects identified in or around the Regions Greenlands System and Natural Heritage System, as well as in areas adjacent to existing watercourses and woodlands.
Project Review	Stormwater Management / Flood Plain Management	TRCA highlighted the need to incorporate stormwater management principles early in the planning, development and design stages of the identified infrastructure	Comments acknowledged. All TRCA guidelines and requirements for stormwater and flood plain management will be utilized during the planning and design stages of infrastructure projects to minimize the impacts of new undertakings to the

		<p>projects to mitigate changes to the natural hydrologic cycles. TRCA also noted the requirements for filling or grading within TRCA regulated areas, including the potential restoration or compensation regarding impacts to the Natural Heritage System. TRCA provided requirements to use their wide scale stormwater management criteria, their Cut and Fill procedure and guidelines for determining ecosystem compensation to ensure all impacts are minimized or compensated where necessary.</p>	<p>natural hydrologic cycle, such as increased flooding or erosion, and decline in water quality. The Region is committed to ensuring all TRCA protocols are adhered to and met when completing identified projects.</p>
Project Review	Proposed Costing	<p>TRCA requested clarification on the consideration for floodplains, watercourses and valley systems in the cost factors provided in the Master Plan for the identified projects and recommended that costs factor in drilling distances to minimize impacts and risk.</p>	<p>Comments acknowledged. The base construction costs and contingency funds were developed for each identified project at a high-level considering general impacts to the surrounding areas, including the Natural Environment. Various costs will be further identified and detailed in separate identified Class EA studies for Master Plan projects.</p>
Project Review	Climate Change Mitigation	<p>TRCA requested insurance that new infrastructure be located out of the dynamic systems (valley systems, watercourses, wetlands and floodplains) to minimize impacts to the natural heritage system (NHS). TRCA provided several recommendations including the removal of end of life infrastructure from the NHS where possible, recognizing that the NHS, climate change mitigation and adaptation and water/wastewater infrastructure protection are connected, and that disturbance and removals are minimized</p>	<p>Comments acknowledged. The Master Plan considered climate change mitigation and impacts at a high level and future mitigation plans will be identified and detailed, where possible, in separate identified Class EA studies for Master Plan projects.</p>

		and the NHS is enhanced where possible when planning infrastructure.	
Project Review	Municipal Class EA Process	TRCA outlined the revision and amendments to the Municipal Class EA process currently underway resulting in Master Plan identified projects potentially being subject to modification. TRCA provided recommendations to the Master Plan including ensuring that all Schedule C identified projects remain Schedule C, and that TRCA be consulted and coordinated with throughout the separate identified EA studies and design stages.	Comments acknowledged. All identified Schedule C projects in the Master Plan will remain as Schedule C projects further to the current provincial Class EA Amendments. Continued communication and coordination with TRCA staff will be ensured throughout the EA process and design stages of future identified EA studies, including at the onset of the project(s). Specific requests for information/documentation will be met during this time. Additionally, TRCA staff involvement will be coordinated for any future work (Schedule A through C) within TRCA regulated areas.
Site Specific Comment 1	Volume 3, Section	Future Clark Boulevard Watermain (W-D-031). TRCA raised concerns regarding the future Clark Boulevard Watermain and how the proposed scope of work and timing will be affected by outcomes of the recently commenced EA detailing the future extension of Clark Blvd from Rutherford Rd to Eastern Ave.	Comment acknowledged. The alignments presented in the Master Plan report are preliminary and will be further investigated as information becomes available through separate EAs currently underway and as future road construction is approved.
Site Specific Comment 2	Volume 3, Section	Church Street East Watermain (W-D-277). TRCA identified a recently completed EA regarding flood protection in the Downtown Brampton Area and requested that future work in the area is coordinated with the results of that study.	Comment acknowledged. The alignments presented in the Master Plan report are preliminary and will require coordination with additional studies prior to design and implementation.
Site Specific Comment 3	Volume 4, Section 5.3.3.4	McVean Sewage Pumping Station Expansion. TRCA requested clarification on the preferred solution regarding the McVean Sewage Pumping Station (and potential expansion in 2023) and the separate study identified. TRCA also	Comment acknowledged. The servicing solution options presented in the Master Plan Report are preliminary and will be further investigated in a separate Schedule C Class EA. Consultation and coordination with key agencies will be required throughout the EA process, specifically TRCA when planning for future work around TRCA owned lands.

		requested continued communication regarding any work proposed within the pumping station site limits, specifically as it relates to TRCA owned lands.	
Site Specific Comment 4	Volume 4, Section 5.3.3.13	Queensway East Sanitary Trunk Sewer (WW-T-131). TRCA requested continued communication and coordination throughout the separate identified EA study.	Comment acknowledged. Consultation and coordination with key agencies will be will required throughout the duration of the identified separate EA, specifically TRCA when planning for future work around TRCA owned lands.
Site Specific Comment 5	Volume 4, Section 5.3.3.12	Etobicoke Creek Sanitary Trunk Sewer (WW-T-249). TRCA requested clarification on the preferred sewer alignment identified in the master plan and how it relates to the separate Schedule C Class EA currently underway for this location.	Comment acknowledged. The alignments presented in the Master Plan report are preliminary and will be further investigated in a separate Schedule C Class EA to address the future capacity constraints identified.
Site Specific Comment 6	Volume 3, Section	Atlantic Drive/Creekbank Road Watermain (W-D-237). TRCA highlighted that the identified Schedule A+ watermain project will rely on the future road review and approval. TRCA requested that appropriate studies are conducted for the alignment if construction begins prior to road work.	Comment acknowledged. All alignments presented in the Master Plan Report are preliminary and subject to change based on updated or future growth forecasts, including the approval of future roads.
Site Specific Comment 7	Volume 4, Section 5.3.3.1	G.E. Booth Wastewater Treatment Plant (WWTP). TRCA highlighted the work currently being completed in the lands adjacent to the G.E. Booth WWTP involving TRCA, CVC and the Region. TRCA requested that all future identified work at this plant is coordinated with TRCA and CVC staff, as well as opportunities to coordinate efforts with the on-going work in the adjacent lands.	Comment noted. The G.E. Booth WWTP Schedule C Class EA has formally commenced and any efforts at the plant will require consultation and coordination with surrounding stakeholders, including TRCA and CVC.

Site Specific Comment 8	Volume 4, Section 5.3.3.2	Bolton Sanitary Pumping Station. TRCA requested clarification on whether future expansions will be required at the pumping station. TRCA requested early consultation for any future planning of work at this location.	Comment acknowledged. Projects identified within the Master Plan are subject to future investigations and studies that will require early consultation with key agencies and stakeholders, specifically TRCA when planning for future work around TRCA owned lands.
Site Specific Comment 9	Volume 4, Section 5.3.3.5	Tullamore/Airport Road. TRCA requested clarification on the alignments identified in the Master Plan along roads currently not considered in the approved settlement boundary expansion.	Additional text added on page 55 highlighting that all alignments presented in the Master Plan Report are preliminary and subject to change based on updated or future growth forecasts, including future approved settlement areas and roads.
Site Specific Comment 10	Volume 4, Section 5.3.3.7	Mayfield West (ST-188, ST-191, ST-193). TRCA requested clarification on the alignments and underground infrastructure identified in the Master Plan along roads currently not considered in the Settlement Boundary Expansion.	Additional text added on page 55 highlighting that all alignments presented in the Master Plan Report are preliminary and subject to change based on updated or future growth forecasts, including future approved settlement areas and roads.
Site Specific Comment 11	Volume 2, Section 3.8	Dundas Connects Master Plan. TRCA highlighted the goals and objectives of the Dundas Connects Master Plan and the need for careful planning regarding water/wastewater servicing along Dundas Street at Little Etobicoke Creek.	Comment acknowledged. Future investigations and projects identified in the Master Plan will ensure careful planning along Dundas Street at Little Etobicoke Creek.
Site Specific Comment 12	General	Flood Plain/Stormwater Management Comment #1. TRCA requested the Region utilize their stormwater management criteria to minimize the impacts of new pavement proposed as part of the Master Plan.	Comment acknowledged. The solutions and alignments presented in the Master Plan report are preliminary and will be further investigated through separate studies to determine potential low impact measures.
Site Specific Comment 13	General	Flood Plain/Stormwater Management Comment #2. TRCA identified the Cut and Fill Balance Protocol required for projects with proposed graining or fill within	Comment acknowledged and Cut and Fill Balance Protocol filed. Future work within flood plains will be monitored throughout the duration of future projects identified in the Master Plan.

		floodplains in order to maintain existing flood storage.	
Site Specific Comment 14	Volume 2, Section 7.2	General Comment: GTA West Transportation Corridor. TRCA identified the recent release of the preferred route alignment for this corridor and should be documented in the Master Plan Report.	Additional text and figure added on page 56 detailing the recently released GTA West Transportation Corridor study area and preferred route alignment.
Site Specific Comment 15	Volume 2, Appendix 2B Section 2.8.1	General Comment: Source Water Protection. TRCA requested additional maps of Source Water Sensitive Areas be included in the document for clarity.	Additional text added to page 12 noting that the locations of several source water sensitive areas can be found on an additional map included as Appendix C.4.
Site Specific Comment 16	Volume 2, Section 4.2	General Comment: Conservation Authority Regulation and Policy. TRCA clarified the role of Conservation Authorities as commenting agencies.	Additional text added on page 31 noting the role of Conservation Authorities as a commenting agency.