



1-1-G

REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA
APPENDIX 1-G

Consultation Tracking

Stakeholder Group	Organization	Stakeholder Contact	Communication Type	Comment	Date Received	Action	Action Date
Provincial	Ministry of Natural Resources and Forestry	Bohdan Kowalyk, District Planner, Aurora District	Email	- Confirmation of receipt of Notice of Commencement	6-Jun-19	- Email acknowledged - Comment filed	6-Jun-19
Municipal	City of Mississauga	Linda Romano, Executive Assistant on behalf of Councillor Chris Fonseca, Ward 3	Email	- Stakeholder is interested in scheduling a meeting September/October	10-Jun-19	- Comment filed - Numerous dates held in calendar for meeting in October	14-Jun-19
Provincial	Ministry of Environment, Conservation and Parks	Trevor Bell, Environmental Resource Planner and EA Coordinator, Technical Support Section, Central Region	Email	- Confirmation of receipt of Notice of Commencement - Stakeholder provided list of Indigenous Communities to be included in Consultation Plan as well as supplemental information regarding "Areas of Interest"	13-Jun-19	- Comment filed - Indigenous Communities added to the study contact list - Areas of Interest to be incorporated into study	17-Jun-19
Municipal	City of Mississauga	Ayub Khan, Administrative Assistant on behalf of Councillor Dipika Damerla, Ward 7	Email	- Stakeholder sent list of residents who wish to be added to the study contact list	13-Jun-19	- Comment filed - Residents added to the study contact list	14-Jun-19
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Zach Carlan, Planner, Infrastructure Planning and Permits	Email	- Stakeholder provided TRCA response to the Notice of Commencement including relevant policies and recommendations to be considered throughout the study	21-Aug-19	- Comment noted and filed - Comments to be considered throughout the study	26-Aug-19
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Jennifer Stephens, Manager, Source Water Protection	Email	- Stakeholder requested to be added to contact list	26-Aug-19	- Request acknowledged - Comment filed - Stakeholder added to the study contact list	26-Aug-19
Municipal	City of Mississauga	Auryn Soares, Storm Drainage Coordinator, Environmental Services	Email	- Stakeholder provided information on current ongoing projects / studies related to the study area for consideration	6-Sep-19	- Comment filed - Comments to be considered throughout study	12-Sep-19
Utilities	Hydro One	Secondary Land use	Email	- Confirmation of receipt of Notice of Commencement - Notification of Hydro One infrastructure located within the study area to be considered throughout the study - Stakeholder requests continued consultation throughout project	13-Sep-19	- Comment filed - New contact information added to study contact list - Comments to be considered throughout the study	16-Sep-19
Municipal	City of Mississauga	Auryn Soares, Storm Drainage Coordinator, Environmental Services	Email	- Stakeholder provided contact details for Parks Planning	16-Sep-19	- Comment filed	16-Sep-19
Municipal	City of Mississauga	Gino Dela Cruz, Transportation Project Engineer	Email	- Stakeholder provided Transportation Environmental Assessments that are ongoing or recently completed within the study area	30-Sep-19	- Comment filed - Comments to be considered throughout study	30-Sep-19
Interested Stakeholder	GHD	Zuliana Mawani	Email	- Stakeholder requested to be added to contact list	29-Oct-19	- Comment filed - Stakeholder added to contact list	29-Oct-19
Provincial	City of Mississauga	Laura Borowiec	Email	- Request for coordination of utilities through the City's Public Utility Coordination Committee	13-Dec-19	- Comment filed	13-Dec-19
Utilities	Trans-Northern Pipelines	Ladan Parsi, Drafting & GIS Specialist	Email	- Stakeholder provided mapping with locations of TNPI assets	16-Dec-19	- Comment filed - Comments were considered in the evaluation of the short list of alternatives	16-Dec-19
Utilities	TransCanada Pipelines	Darlene Quilty, Planning Coordinator	Email	- Stakeholder confirmed that TC Energy does not have any assets within the study area	18-Dec-19	- Comment filed - Stakeholder removed from contact list	19-Dec-19
Indigenous Community	Nation Huronne-Wendat	Catherine Dupont, Archaeologist	Email	- Stakeholder requested a copy of the Stage 1 Archaeological Assessment	18-Dec-19	- Comment filed - Stage 1 Archaeological Assessment report sent to stakeholder for review	18-Dec-19
Utilities	Ontario Power Generation	Tammy Wong, Senior Environment Specialist	Email	- Stakeholder confirmed that OPG does not have any assets within the study area - Stakeholder requested to be removed from contact list	19-Dec-19	- Comment filed - Stakeholder removed from contact list	19-Dec-19
Provincial	Ministry of Transportation	Wa Chi Ma, Senior Project Engineer, Planning and Design	Email	- Stakeholder provided comments to be considered in the evaluation of the short list of alternative including proposed MTO works near alternative alignments	23-Dec-19	- Comment filed - Comments were considered in the evaluation of the short list of alternatives	23-Dec-20

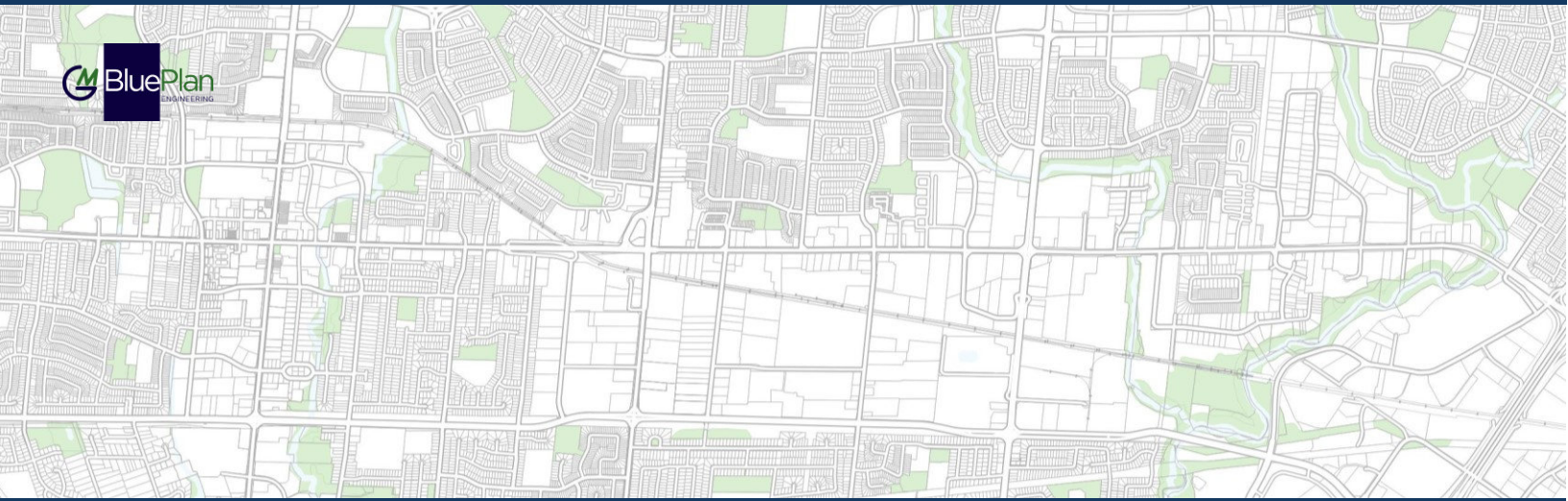
Stakeholder Group	Organization	Stakeholder Contact	Communication Type	Comment	Date Received	Action	Action Date
Utilities	Alectra	Mehdi Vafaei, Planning Engineer	Email	- Stakeholder confirmed Alectra owned assets are located within study area - Stakeholder provided comments regarding the short list of alternatives	2-Jan-20	- Comment filed - Comments were considered in the evaluation of the short list of alternatives	2-Jan-21
Utilities	Enbridge	Elizabeth Dewcharran, QPS Geographics	Email	- Stakeholder provided mapping with locations of Enbridge assets and Enbridge protocols and clearances when working near assets	6-Jan-20	- Comment filed - Comments were considered in the evaluation of the short list of alternatives	6-Jan-20
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Stakeholder requested to be added as main City contact	31-Jan-20	- Comment filed - Stakeholder added to contact list	31-Jan-20
Utilities	Enbridge	Meetpal Chhina, Supervisor Planning, Regional Execution GTA-W/Niagara	Email	- Stakeholder provided further information on Enbridge assets along the short list of alternatives as well as more detailed information on minimum clearances	6-Feb-20	- Comment filed - Comments were considered in the evaluation of the short list of alternatives	6-Feb-20
Provincial	Toronto and Region Conservation Authority (TRCA)	Zack Carlan, Planner, Infrastructure Planning and Permits	Email	- Coordination of consultation meeting with TRCA and distribution of meeting actions - Stakeholder provided markups for meeting minutes	25-Feb-20	- Comment filed - Meeting minutes finalized and sent to Stakeholder	13-Apr-21
Resident	N/A	Resident	Email	- Resident requested to be added to contact list	2-Mar-20	- Comment filed - Resident added to contact list	2-Mar-20
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Stakeholder provided comments to be considered in the evaluation of the short list of alternative solutions	2-Mar-20	- Comment filed - Comments to be considered throughout the study	3-Mar-20
Provincial	Ministry of Transportation	Ted Lagakos, Senior Project Manager	Email	- Stakeholder requested to be added to contact list	4-Mar-20	- Comment filed - Stakeholder added to contact list	6-Mar-20
Utilities	Hydro One	Matey Matev, Senior Network Management Officer, Asset Optimization	Email	- Coordination of consultation meeting with Hydro One and distribution of meeting actions	13-Mar-20	- Comment filed - Comments were considered in the evaluation of the design of the preferred alignment and shaft sites	15-Apr-20
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Stakeholder provided comments from MiWay Transit to be considered in the evaluation of the short list of alternative solutions	18-Mar-20	- Comment filed - Comments to be considered throughout the study	19-Mar-20
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Annette Lister, Planner, Infrastructure Planning and Permits	Email	- Stakeholder provided response to the Notice of PIC No. 1 including a request for a copy of the PIC No. display boards	19-Mar-20	- Comment filed - Link to PIC No. 1 boards sent	19-Mar-20
Conservation Authority	Credit Valley Conservation	Jakub Kilis, Manager, Infrastructure and Regulations Elizabeth Paudel, Planning Technician, Planning and Development Services	Email	- Consultation meeting package and follow-up on outstanding action items	9-Apr-20	- Comment filed - Comments were considered in the evaluation of the short list of alternatives	18-Dec-19
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Annette Lister, Planner, Infrastructure Planning and Permits	Email	- Final consultation meeting minutes sent to TRCA - Request to update contact for TRCA	13-Apr-20	- Comment filed - Contact information updated for TRCA	13-Apr-20
Provincial	Ministry of Heritage, Sport, Tourism and Culture Industries	Dan Minkin, Heritage Planner	Email	- Stakeholder provided information regarding the cultural heritage and archaeological assessment studies required and any next steps to be taken - Stakeholder also requested to be added to contact list for this study	14-Apr-20	- Comment filed - Stakeholder added to contact list	14-Apr-20
Utilities	Hydro One	Matey Matev	Email	- Stakeholder provided mapping and information on Hydro One infrastructure within the study area	15-Apr-20	- Comment filed - Comments were considered in the evaluation of the short list of alternatives	15-Apr-20
Indigenous Community	Haudenosaunee Confederacy	Misty Hill	Email	- Stakeholder provided contact information for study contact list	1-May-20	- Comment filed - Stakeholder added to contact list	1-May-20

Stakeholder Group	Organization	Stakeholder Contact	Communication Type	Comment	Date Received	Action	Action Date
Indigenous Community	Huron-Wendat Nation	Tina Durand, Executive Secretary of the Council and Chief	Email	- Stakeholder provided contact information for study contact list	4-May-20	- Comment filed - Stakeholder added to contact list	4-May-20
Indigenous Community	Mississaugas of the Credit First Nation	Cathie Jamieson, Environment Sustainability Councillor	Email	- Stakeholder provided contact information for study contact list	6-May-20	- Comment filed - Stakeholder added to contact list	6-May-20
Utilities	Alectra	Mehdi Vafaei, Planning Engineer	Email	- Stakeholder provided summary of all Alectra assets located within or adjacent to the preferred alignments	1-Jun-20	- Comment filed - Comments were considered in the evaluation of alternatives	1-Jun-20
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Provided information on upcoming PIC No. 2	15-Jul-20	- Email filed	15-Jul-20
Indigenous Community	Mississaugas of Scugog Island First Nation	Monica Sanford, Consultation, Lands & Membership Admin Assistant/IRA	Email	- Stakeholder provided contact information for study contact list	17-Jul-20	- Comment filed - Stakeholder added to contact list	17-Jul-20
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Caroline Mugo, Planner, Infrastructure Planning and Permits, Development and Engineering Services Division	Email	- Stakeholder provided comments on the Hydraulic and Fluvial Geomorphic Hazard Assessment Draft Report completed for Etobicoke Creek	16-Nov-20	- Comment filed - Comments were considered in the preparation of the project file	17-Nov-21
Utilities	Hydro One	Greg Gowan	Email	- Provided the stakeholder with meeting package from meeting on January 11, 2021	15-Jan-21	- Comment filed	15-Jan-21
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Caroline Mugo, Planner, Infrastructure Planning and Permits, Development and Engineering Services Division Emma Benko, Planner, Infrastructure Planning and Permits, Development and Engineering Services	Email	- Coordination with stakeholder of Virtual Pre-PIC No. 2 consultation meeting	15-Jan-21	- Comment filed	16-Feb-21
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Coordination with stakeholder of Virtual Pre-PIC No. 2 consultation meeting	3-Feb-21	- Confirmed date for virtual Pre-PIC No. 2 meeting - Provided meeting package	5-Feb-21
Conservation Authority	Credit Valley Conservation	Jakub Kilis, Manager, Infrastructure and Regulations Elizabeth Paudel, Planning Technician, Planning and Development Services	Email	- Coordination with stakeholder of Virtual Pre-PIC No. 2 consultation meeting	3-Feb-21	- Comment filed - Follow-up on the coordination of Virtual Pre-PIC No. 2 consultation meeting date	11-Feb-21
Utilities	Hydro One	Greg Gowan	Email	- Provided the stakeholder with meeting package from meeting on January 18, 2021	5-Feb-21	- Comment filed	5-Feb-21
Municipal	City of Toronto	William Snodgrass	Email	- Provided stakeholder with as built drawings for Etobicoke Creek - City of Toronto meeting coordination to discuss Sherway Drive road ownership	17-Feb-21	- Comment filed	17-Feb-21
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Stakeholder requested a copy of Stage 2 Archaeological Assessment and Cultural Heritage Draft Reports	18-Feb-21	- Provided stakeholder with Stage 2 Archaeological Assessment and Cultural Heritage Draft Reports	30-Mar-21
Municipal	City of Mississauga	Raymond Lau, Project Manager, Engineering, Park Development	Email	- Stakeholder requested additional information on the Etobicoke Creek shaft location and coordination with City's bridge rehabilitation project.	19-Feb-21	- Provided information and mapping of Etobicoke Creek shaft location	19-Feb-21
Conservation Authority	Credit Valley Conservation	Jakub Kilis, Manager, Infrastructure and Regulations Elizabeth Paudel, Planning Technician, Planning and Development Services	Email	- Stakeholder provided markups to meeting meetings	26-Feb-21	- Email filed - Final meeting package sent to City	26-Feb-21
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Stakeholder provided comments to project information presented at the Pre-PIC 2 meeting	8-Mar-21	- Comment filed - Comments were considered in the selection of the preferred solution	8-Mar-21

Stakeholder Group	Organization	Stakeholder Contact	Communication Type	Comment	Date Received	Action	Action Date
Utilities	Hydro One	Greg Gowan	Email	- Stakeholder provided comments to the preliminary review package submitted on February 22, 2021	8-Mar-21	- Comment filed - Comments were considered in the evaluation of alternatives	8-Mar-21
Municipal	City of Toronto	Dennis Kovacs	Email	- Provided stakeholder meeting package	25-Mar-21	- Comment filed	25-Mar-21
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Alistair Jolly, Supervisor, Archaeology, Professional Services, Restoration and Infrastructure	Email	- Provided information regarding the submission of the Stage 2 Archaeological Assessment Draft Report completed by TRCA at Etobicoke Creek	6-Apr-21	- Comment filed - Provided stakeholder with completed Stage 1 Archaeological Assessment Report	12-Apr-21
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Provided Stakeholder copy of meeting package	7-Apr-21	- Email filed	7-Apr-21
Conservation Authority	Credit Valley Conservation	Jakub Kilis, Manager, Infrastructure and Regulations Elizabeth Paudel, Planning Technician, Planning and Development Services	Email	- Provided meeting package to stakeholder	7-Apr-21	- Email filed	13-Apr-21
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Suzanne Bevan, Senior Manager, Infrastructure Planning and Permits	Email	- Provided meeting package to stakeholder - Provided Etobicoke Creek Evaluation Process Tech Memo to Stakeholder for review	7-Apr-21	- Comment filed - Comments were considered in the preparation of the project file	16-Apr-21
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Stakeholder inquired on response to City comments	14-Apr-21	- Comment filed - Advised stakeholder that PIC No. 2 will be pushed back to mid June 2021 - Meeting will be scheduled in June to address comments	16-Apr-21
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Alvina Tam, Senior Archaeologist, Archaeology, Professional Services, Restoration and Infrastructure	Email	- Provided Stage 1-2 Archaeological Assessment completed for Etobicoke Creek	16-Apr-21	- Comment filed - Report markups sent to Stakeholder for report update	23-Apr-21
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Coordination with stakeholder of Virtual Pre-PIC No. 2 consultation meeting	23-Apr-21	- Comment filed - Confirmation of Virtual Pre-PIC No. 2 consultation meeting date	29-Apr-21
Provincial	Ministry of Heritage, Sport, Tourism and Culture Industries	Zeeshan Abedin, Archaeology Program Unit, Programs and Services Branch	Email	- Confirmation that the Stage 2 Archaeological Assessment completed at Etobicoke Creek was entered into the Ontario Public Register of Archaeological Reports without technical review	29-Apr-21	- Comment filed	29-Apr-21
Provincial	Ministry of Heritage, Sport, Tourism and Culture Industries	Melissa Wallace	Email	- Confirmation that the Stage 2 Archaeological Assessment was entered into the Ontario Public Register of Archaeological Reports without technical review	11-May-21	- Comment filed	11-May-21
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Suzanne Bevan, Senior Manager, Infrastructure Planning and Permits	Email	- Provided response to the Etobicoke Creek Evaluation Process Tech Memo	25-May-21	- Comment filed - Confirmed the agreed changes to the shaft site at Etobicoke Creek - Submitted formal TRCA response - Comments were considered in the preparation of the project file	26-Jul-21
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Provided stakeholder with requested reports	26-May-21	- Email filed	26-May-21
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Annette Lister, Planner, Infrastructure Planning and Permits	Email	- Coordination with stakeholder of Virtual Pre-PIC No. 2 consultation meeting	26-May-21	- Comment filed - Confirmation of Virtual Pre-PIC No. 2 consultation meeting date	27-May-21
Municipal	City of Toronto	William Snodgrass	Email	- Stakeholder requested additional information on PC No. 2	8-Jun-21	- Comment filed - Provided additional information to Stakeholder on PIC No. 2	9-Jun-21

Stakeholder Group	Organization	Stakeholder Contact	Communication Type	Comment	Date Received	Action	Action Date
Provincial	Ministry of Transportation	Wan Chi Ma, Senior Project Engineer, Project Delivery, Highway Engineering	Email	- Stakeholder advised us of MTO works starting early 2022 which includes detour routes along project study area	8-Jun-21	- Comment filed - Comments were considered in the preparation of the project file - Provided Stakeholder additional project information	8-Jun-21
Indigenous Community	Huron-Wendat Nation	Lori-Jeanne Bolduc, Land Use Planning Advisor	Email	- Stakeholder requested the Archaeological Assessment reports completed for this project	8-Jun-21	- Comment filed - Archaeological Assessment Reports submitted to Stakeholder	9-Jun-21
Interested Stakeholder	GHD	Sean Partington, Strategic Advisor, Project Director	Email	- Stakeholder requested to be added to contact list	8-Jun-21	- Comment filed - Stakeholder added to contact list	8-Jun-21
Indigenous Community	Curve Lake	Dr. Julie Kapyrka, Lands Resource Consultation Liaison	Email	- Stakeholder advised that project lies outside of Treaty territory. Mississaugas of the Credit First Nation to be contacted regarding the project	9-Jun-21	- Comment filed - Mississaugas of the Credit First Nation already listed on the contact list.	9-Jun-21
Interested Stakeholder	Dufferin-Peel Catholic School Board	Joanne Rogers, Senior Planner, Planning Department	Email	- Stakeholder requested timing of the project - Requested that construction be completed in summer to avoid period when school is in session	9-Jun-21	- Comment filed - Comments were considered in the ESR	9-Jun-21
Provincial	Ministry of Transportation	Kevin Kelly	Email	- Stakeholder acknowledged receipt of Notice of PIC No. 2	10-Jun-21	- Comment filed	10-Jun-21
Resident	N/A	Resident	Email	- Resident requested to be added to contact list - Inquired about communication position at the Region	16-Jun-21	- Comment filed - Resident added to contact list	26-Jul-21
Indigenous Community	Metis Nation	Cassidy Shay Press, Branch Coordinator, Climate Change Advisor, Lands, Resources & Consultations Branch	Email	- Confirmed stakeholder contact information	16-Jun-21	- Comment filed	17-Jun-21
Resident	N/A	Resident	Email	- Resident requested to be added to contact list - Requested additional project information	17-Jun-21	- Comment filed - Resident added to contact list - Provided additional project information	17-Jun-21
Resident	N/A	Resident	Email	- Resident requested to be added to contact list	22-Jun-21	- Comment filed - Resident added to contact list	22-Jun-21
Resident	N/A	Resident	Phone Call	- Resident requested hard copies of the PIC No. 2 materials for review	24-Jun-21	- Hard copy of PIC No. 2 materials sent to resident	24-Jun-21
Interested Stakeholder	Choice One Medical	Alfred Nataprawira, Operations Analyst	Email	- Stakeholder requested additional project information - Stakeholder requested to be added to contact list	26-Jun-21	- Comment filed - Provided stakeholder with additional project information and schedule - Stakeholder added to contact list	26-Jul-21
Conservation Authority	Credit Valley Conservation	Jakub Kilis, Manager, Infrastructure and Regulations Elizabeth Paudel, Planning Technician, Planning and Development Services	Email	- Stakeholder provided comments on the PIC No. 2 materials	8-Jul-21	- Comment filed - Comments were considered in the selection of the preferred solution	26-Jul-21
Interested Stakeholder	Mott MacDonald	Hamid Javady, Professional Engineer, Principal Tunnel Engineer	Email	- Stakeholder requested additional project information	13-Jul-21	- Comment filed - Provided stakeholder with additional project information and schedule - Stakeholder added to contact list	13-Jul-21
Interested Stakeholder	Eco Fresh Laundry and Dry Cleaning	Hamad Hakim	Email	- Stakeholder requested information on business incentives for wastewater usage	19-Jul-21	- Comment filed - Forwarded Stakeholder request to Region's Environmental Education Department	26-Jul-21
Utilities	Hydro One	Susan Sun	Email	- Stakeholder provided comments to the Public Consultation Centre No. 2 - Stakeholder recommended continued consultation with Hydro One throughout the project	24-Jun-21	- Comment filed - Provided stakeholder with updated information on the project	26-Jul-21

Stakeholder Group	Organization	Stakeholder Contact	Communication Type	Comment	Date Received	Action	Action Date
Municipal	City of Mississauga	Evelyn Krolicka, Storm Drainage Technologist	Email	- Provided Stakeholder with meeting package from May 26, 2021 meeting	20-Aug-21	- Comment filed	20-Aug-21
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Suzanne Bevan, Senior Manager, Infrastructure Planning and Permits	Email	- Provided Stakeholder with meeting package from June 1, 2021 meeting	20-Aug-21	- Comment filed	20-Aug-21
Conservation Authority	Credit Valley Conservation	Jakub Kilis, Manager, Infrastructure and Regulations	Email	- Provided feedback on the completed Geomorphic Hazard Assessment Report at Cooksville Creek	14-Oct-21	- Comment filed - CVC requirements included in the ESR for implementation during Detailed Design	1-Dec-21
Indigenous Community	Mississaugas of the Credit First Nation	Megan DeVries, Archaeological Operations Supervisor, Department of Consultation and Accommodation	Email	- Provided comments regarding the Archaeological and Natural Environment studies completed - Requested copies of the Archaeological and Natural Environment studies completed	1-Oct-21	- Comment filed - Provided project updates and communications with MCFN - Provided a copy of the Archaeological and Natural Environment studies completed to date	13-Oct-21
Indigenous Community	Mississaugas of the Credit First Nation	Adrian Blakes, Field Archaeologist, Department of Consultation and Accommodation	Email	- Confirmed review of Stage 1 and 2 Archaeological Assessment Reports - Confirmed that no additional actions are required.	29-Nov-21	- Comment filed - Email acknowledgement sent - Additional reports (Natural Environment and Stage 2 Archaeological Assessment submitted to MCFN)	13-Dec-21
Conservation Authority	Credit Valley Conservation	Jakub Kilis, Manager, Infrastructure and Regulations	Email	- CVC provided comments on the Draft ESR document	11-Jan-22	- Comment filed - CVC requirements included in ESR for implementation during Detailed Design - Comment responses sent to CVC for review	10-Feb-22
Conservation Authority	Toronto and Region Conservation Authority (TRCA)	Shirin Varzgani, Senior Planner, Infrastructure Planning and Permits	Email	- TRCA provided comments on the Draft ESR document	11-Jan-22	- Comment filed - TRCA requirements included in ESR for implementation during Detailed Design - Comment responses sent to TRCA for review	10-Feb-22
Provincial	Ministry of Environment, Conservation and Parks	Trevor Bell, Environmental Resource Planner and EA Coordinator, Technical Support Section, Central Region	Email	- MECP provided comments on the Draft ESR document	12-Jan-22	- Comment filed - MECP requirements included in ESR for implementation during Detailed Design - Comment responses sent to MECP for review	10-Feb-22



REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Conservation Authority Consultation

Credit Valley Conservation (CVC)

Sandra Anastasio - GM BluePlan

From: Paudel, Elizabeth <Elizabeth.Paudel@cvc.ca>
Sent: Thursday, April 09, 2020 8:39 AM
To: Sandra Anastasio - GM BluePlan
Subject: RE: Data request - EA 20/001 - Peel Central Miss EA
Attachments: lgl_dr20026dsa_20200409.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sandra,

Please complete Schedule 2, sign and return the attached Data Sharing Agreement at your earliest convenience.

Please refer to [Factsheet VI](#) of CVC's Fluvial Geomorphic Guidelines. This factsheet has been developed to standardize scour assessments in relationship to proposed infrastructure crossing a watercourse.

Regards,

Elizabeth Paudel, MES

Planning Technician, Planning and Development Services | Credit Valley Conservation

905-670-1615 ext 236 | 1-800-668-5557

elizabeth.paudel@cvc.ca | cvc.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Monday, April 6, 2020 8:57 AM
To: Paudel, Elizabeth <Elizabeth.Paudel@cvc.ca>
Cc: Kilis, Jakub <Jakub.Kilis@cvc.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: RE: Data request - EA 20/001 - Peel Central Miss EA

Hi Elizabeth,

Please see the requested information below:

1. Detailed list of data requested: see attached Request for Information
2. Project name: Wastewater Capacity Improvements in Central Mississauga
3. Proponent's name: Region of Peel
4. User's name: GM BluePlan Engineering / Golder Associates
5. Intended use and publications: see attached Request for Information

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited



From: Paudel, Elizabeth <Elizabeth.Paudel@cvc.ca>
Sent: Friday, April 03, 2020 3:30 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: Data request - EA 20/001 - Peel Central Miss EA

Hi Sandra,

Thank you for your inquiry. In order to process the data request, I require the following information:

- Detailed list of data requested
- Map of the study area
- Project name
- Proponent's name
- User's name
- Intended use and publications

Please note that a Data Sharing Agreement will be required and the process can take up to 4 weeks from the date of receipt of the above information.

Regards,

Elizabeth Paudel, MES

Planning Technician, Planning and Development Services | Credit Valley Conservation
905-670-1615 ext 236 | 1-800-668-5557
elizabeth.paudel@cvc.ca | cvc.ca

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Sandra Anastasio - GM BluePlan

From: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Sent: Friday, April 03, 2020 3:03 PM
To: Sandra Anastasio - GM BluePlan
Subject: RE: Peel Central Miss EA - Meeting Minutes

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sandra,

I have followed up again with our staff who complete data requests. You should have your information soon. It typically takes 4-6 weeks to get the info.

Regards,
Jakub

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Tuesday, March 17, 2020 2:52 PM
To: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: RE: Peel Central Miss EA - Meeting Minutes

Hi Jakub,

I am following up on a few outstanding items requested through our consultation meeting at the end of January. I have attached the Request for Information. Please let me know when you can send through these items.

Let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Sandra Anastasio - GM BluePlan
Sent: Monday, February 24, 2020 9:47 AM
To: 'Kilis, Jakub' <Jakub.Kilis@cvc.ca>

Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>

Subject: Peel Central Miss EA - Meeting Minutes

Hi Jakub,

I have attached the draft Central Mississauga Class EA meeting minutes. Please review and notify me if there are any errors or omissions to the minutes before finalizing – once you have reviewed, I can package the meeting materials together and send the package to you for distribution to attendees.

I have also included some requested items in the link below:

- Draft Natural Features Desktop Study (available in the link below)
- Request for Information (attached)

https://sendafile.gmblueplan.ca/uploads/02-24-20_094417_18112273-TM-RevA-Baseline_Natural_Features_Assessment_Report-04Jul2019.pdf

Let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Thursday, January 23, 2020 5:44 PM
To: 'Kilis, Jakub'
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: RE: Pre-PIC Consultation Meeting Request
Attachments: 200128-AGEN-CVC Consultation Meeting_DRAFT.pdf

Hi Jakub,

Please find in the link below the draft meeting materials for our meeting next week on the Region of Peel Wastewater Capacity Improvements in Central Mississauga EA Study.

https://sendafile.gmblueplan.ca/uploads/01-23-20_173617_200128-SLIDES-CVC_Consultation_Meeting_DRAFT.pdf

Please let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Sent: Wednesday, December 18, 2019 4:12 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: RE: Pre-PIC Consultation Meeting Request

Hi Sandra,

Yes - that works. Please send the invite. We'll be meeting in room B2 if you want to add that to your invite.

Thanks,
Jakub

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, December 18, 2019 4:05 PM
To: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)'

<laura.borowiec@peelregion.ca>

Subject: RE: Pre-PIC Consultation Meeting Request

Hi Jakub,

Please let me know if Tuesday, January 28th at 10:00 – 11:30 am works for your team at the CVC office (1255 Old Derry Rd). If this date/time works, I will send out a meeting request to you.

We will provide meeting materials for review closer to the date.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Kilis, Jakub <Jakub.Kilis@cvc.ca>

Sent: Tuesday, December 17, 2019 3:32 PM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: RE: Pre-PIC Consultation Meeting Request

Hi Sandra,

Of the dates listed CVC staff is available on Tuesday, January 28 – all day and Wednesday, January 29 in the PM. Please let me know what date/time works best for you. We are happy to host the meeting at CVC offices. If you are able, please forward any technical/review materials before the meeting so that our staff have a chance to review.

Thanks,
Jakub

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Monday, December 16, 2019 2:21 PM

To: Kilis, Jakub <Jakub.Kilis@cvc.ca>

Cc: Marray, Liam <Liam.Marray@cvc.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: Pre-PIC Consultation Meeting Request

Hello Jakub,

The Region of Peel retained GM BluePlan to undertake a Class Environmental Assessment study for Wastewater Capacity Improvements in Central Mississauga. This Class EA is investigating alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system. The Notice of Commencement was published in May 2019. We anticipate the first Public Information Centre to be completed early Winter 2020 where we will present the preliminary preferred solution.

Prior to the PIC, the Region of Peel and GM BluePlan would like to coordinate a meeting with key CVC staff to provide a full understanding of the project, present the alternatives evaluation and preferred solution and obtain feedback. Please let me know your team's availability for the suggested dates below and I can forward a meeting request for the best date/time.

- Monday, January 27, 2020
- Tuesday, January 28, 2020
- Wednesday, January 29, 2020

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

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Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018
Meeting:	CVC Consultation Meeting	
Date:	Tuesday, January 28, 2020	Time: 10:00 am – 11:00 am
Location:	CVC Office, 1255 Old Derry Rd, Mississauga, ON L5N 6R4	
Attendees:		
<u>CVC</u> Jakub Kilis Sarah Labrie	<u>Region of Peel</u> Laura Borowiec	<u>GM BluePlan</u> Chris Campbell Mark Zamojc Sandra Anastasio

Agenda Items

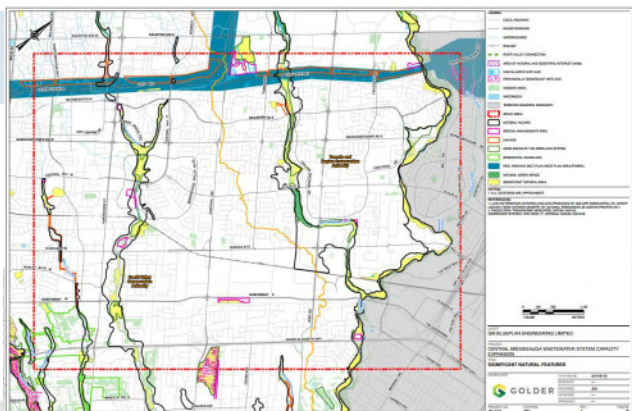
1. Introductions
2. Meeting Objective
3. Project History and Overview
4. Baseline Environmental Inventory
5. Evaluation Framework
6. Alternative Alignments
7. Preliminary Preferred Solution
8. CVC Considerations
9. Project Schedule and Next Steps

BASELINE ENVIRONMENTAL INVENTORY



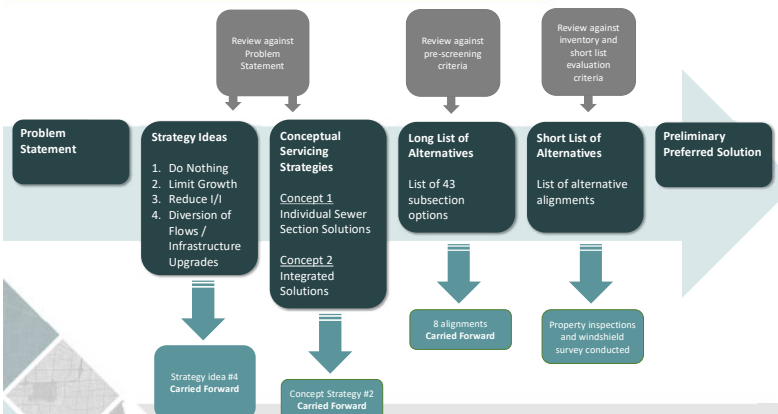
Key CVC features include:

1. Cookville Creek



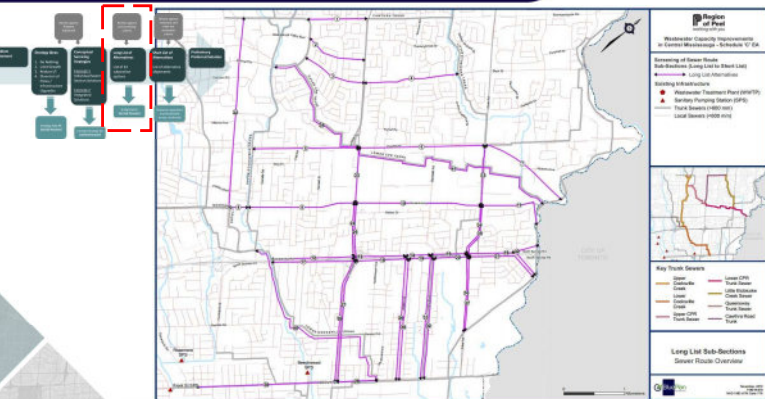
GM BluePlan
January 28, 2020

EVALUATION FRAMEWORK – PHASE 1 & 2



GM BluePlan
January 28, 2020

LONG LIST OF ALTERNATIVES



GM BluePlan
January 28, 2020

LONG LIST SCREENING CRITERIA



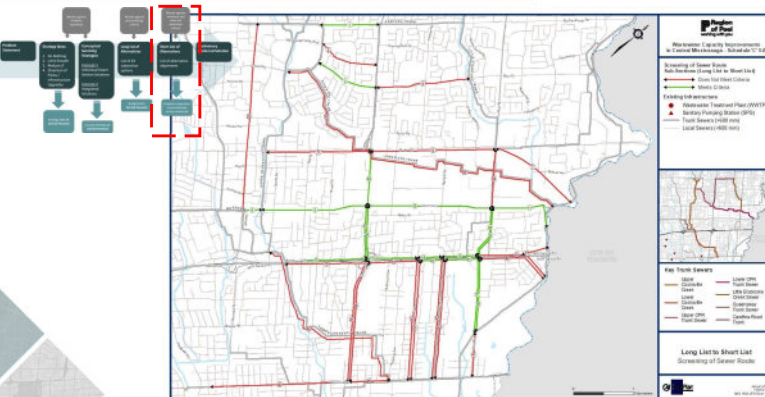
The following screening criteria was used to evaluate the long list of alternatives

1. Meets Problem Statement
2. Ability to service by gravity
3. Does not trigger additional capital upgrades
4. Maximize flexibility in flow conveyance and storage
5. Maximize use of existing / planned infrastructure
6. Preliminary constructability review; avoidance of unnecessary/unreasonable construction challenges:
 - o Maximize routes along road right-of-way (ROW) to minimize environmental / social impacts, where possible
 - o Avoidance of routes with extensive road ROW constraints (e.g. infrastructure, road width, local residential roads), where possible



GM BluePlan
January 28, 2020

SHORT LIST OF ALTERNATIVES



GM BluePlan
January 28, 2020

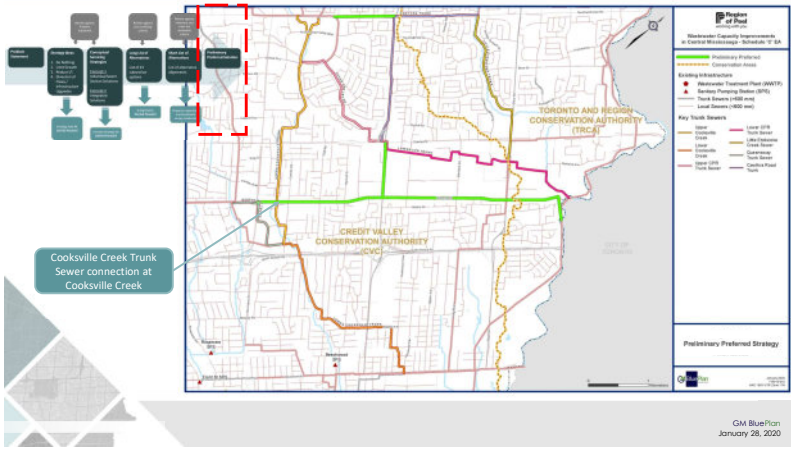
SHORT LIST EVALUATION CRITERIA OVERVIEW



TECHNICAL CONSTRUCTIBILITY	TECHNICAL FLEXIBILITY	ENVIRONMENTAL	SOCIO-ECONOMIC AND CULTURAL	FINANCIAL	LEGAL / JURISDICTIONAL
<ul style="list-style-type: none"> Ease of construction Accommodates existing infrastructure Conflicts or opportunities with recent / planned improvements Minimize environmental and infrastructure crossings 	<ul style="list-style-type: none"> Technical viability through existing and future servicing needs Ease of access to maintain system operations and operational security Maximize flow flexibility 	<ul style="list-style-type: none"> Environmental crossing consideration Proximity to environmental features, protected areas, and species at risk Potential effects on water resources, air quality and natural features Geology, hydrogeology, contamination considerations 	<ul style="list-style-type: none"> Community and traffic considerations Noise, vibration, dust and odour considerations Cultural heritage resources Archaeological resources 	<ul style="list-style-type: none"> Capital costs Operation and maintenance costs Lifecycle cost consideration Consideration of potential financial risk during construction 	<ul style="list-style-type: none"> Land use, land size, availability, and location Permit requirements Ownership, legal and jurisdictional considerations Compliance with applicable planning and special land use policies

GM BluePlan
January 28, 2020

PRELIMINARY PREFERRED SOLUTION



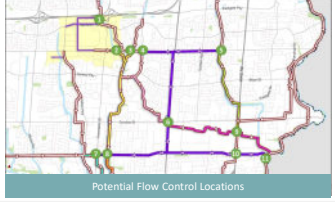
QUEENSWAY PROFILE



ENVIRONMENTAL BENEFIT

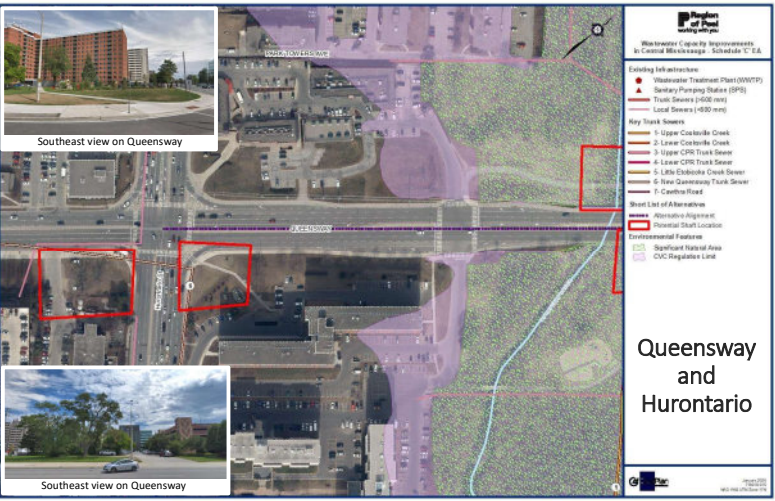


- The preliminary preferred solution will have the following benefits to the environment:
- ✓ Burnhamthorpe extension will relieve flows from Etobicoke Creek
 - ✓ Queensway alignment will relieve flows to Lower Cooksville Creek Trunk Sewer, reducing the risk of sanitary overflows to Cooksville Creek
 - ✓ Queensway alignment allows the option for in-line storage reducing the risk of sanitary overflows to waterways
 - ✓ Preferred solution allows for flow flexibility → optimize gates and controls with the use of Real Time Control (RTC)



NEXT STEPS

- PIC #1 to present the preliminary preferred solution
 - Late February (date to be confirmed)
- Additional technical studies will be completed on the preferred solution including:
 - Natural Features
 - Phase 1 ESA
 - Geotechnical
 - Stage 2 Archeological Assessment
- Phase 3: Design Concept Alternatives and Preferred Design Solution
 - Confirm detailed alignment and shaft locations



CVC FEEDBACK





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Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018
Meeting:	CVC Consultation Meeting	
Date:	Tuesday, January 28, 2020	Time: 10:00 am – 11:00 am
Location:	CVC Office, 1255 Old Derry Rd, Mississauga, ON L5N 6R4	
Attendees:		
<u>CVC</u> Jakub Kilis (JK) Sarah Labrie (SL) Rebecca Stewart (RS)	<u>Region of Peel</u> Laura Borowiec (LB) Justin Lee (JL)	<u>GM BluePlan</u> Chris Campbell (CC) Mark Zamojc (MZ) Sandra Anastasio (SA)

Item	Actions
<u>1. Project Team</u> 1.1. Laura Borowiec currently the Region's Project Manager, however, there will be a project handoff to Justin Lee in the near future 1.2. All study related correspondence to include Laura Borowiec (Region), Chris Campbell (GM BluePlan) and Sandra Anastasio (GM BluePlan)	
<u>2. Project History and Overview</u> 2.1. Region of Peel Water and Wastewater Master Plan and Capital Plan is scheduled to be filed April 2020 <ul style="list-style-type: none"> The Central Mississauga Pre EA concept strategy will be included in the Master Plan Capital Plan. The Central Mississauga study will refine strategy and projects through the completion of this separate Schedule C EA 	
<u>3. Evaluation Framework</u> 3.1. Discipline specialists have been included in the evaluation process of the preliminary preferred solution including: <ul style="list-style-type: none"> Golder: Natural Environment, Archeology, Cultural Heritage C & M McNally: Constructability Colville: Agricultural Screening 	

<p><u>4. Alternative Alignments</u></p> <p>4.1. QEW/Dixie alternative alignments were screened out due to:</p> <ul style="list-style-type: none"> • Conflicts with MTO works on QEW North Service Rd widening and Dixie interchange upgrades • Proximity to residential area • Lack of available/suitable shaft locations • Difficult connection to East Trunk 	
<p><u>5. Preliminary Preferred Solution</u></p> <p>5.1. Based on a comprehensive multiple criteria matrix evaluation of options the Queensway alignment is the preliminary preferred solution and will work in conjunction with real time controls (RTC) and East to West flow diversion (to the north)</p> <p>5.2. Two connection points along Queensway to pull flow to East Trunk (flows from New Queensway Trunk Sewer and Upper Cooksville Creek Trunk Sewer)</p> <p>5.3. The solution requires connection to the existing Lower Cooksville Creek</p> <p>5.4. Preferred solution will work in conjunction with real time controls (RTC) and East to West flow diversion (to the north)</p> <p>5.5. Pipe sizing will be determined during Phase 3 of the Class EA process</p> <p>5.6. Through this solution, Peel is also considering opportunities for storage</p> <ul style="list-style-type: none"> • RTC can support these objectives 	
<p><u>6. CVC Considerations</u></p> <p>6.1. Queensway and Cooksville Creek Location</p> <ul style="list-style-type: none"> • Area should not require road lane closures • CVC preference for north shaft location <ul style="list-style-type: none"> ○ South shaft location is an important natural area in Mississauga, mature trees, species at risk (bats) <p>6.2. Minimum cover requirements</p> <ul style="list-style-type: none"> • Guideline available – CVC Fluvial Geomorphic Guidelines • Average minimum clearance is 2.5m, however, this value is dependent of the bank full depth (elevation difference between bank full and deepest section of creek – average of 0.5m). Minimum clearance based on CVC-developed formula • GMBP to confirm approximate clearance of creek <p>6.3. Construction at each shaft location would be approximately one year; may be more than one active shaft location at a time (construction schedule to be determined in later phases of this study)</p> <p>6.4. The following to be considered when shaft locations are located within the floodplain:</p> <ul style="list-style-type: none"> • Compound size within floodplain boundaries • Compound storage of equipment/products within floodplain boundaries • Mitigation measures and restoration of compound • Impact analysis (model obstruction of flow; frequency of flooding) to determine where flow will go with the compound site in place; is a secure shaft location required? <p>6.5. Floodplain boundaries are based on the worst case scenario between the Regional and 100 year storm event</p>	<p>6.2. GMBP</p>



<p>6.6. Mitigation measures report is recommended for shaft sites located within the floodplain boundaries and may differ depending on the level of flood risk at each location. The mitigation measures report may include:</p> <ul style="list-style-type: none"> • Summary of shaft location, equipment/ products on site, storage and storage location of equipment/products on site, compound setup, modelling summary (basic topography with flood lines) 	
<p>7. Project Schedule and Next Steps</p> <p>7.1. PIC #1 is planned for March – date will be confirmed through Notice of PIC #1</p> <ul style="list-style-type: none"> • GMBP to send CVC PIC #1 boards in advance <p>7.2. GMBP to send draft natural features desktop study for CVC review</p> <ul style="list-style-type: none"> • CVC to send letter of proposed solution agreement <p>7.3. GMBP to send data request through JK</p> <ul style="list-style-type: none"> • CVC updated regulation limit shapefile • Cooksville Creek model • CVC Guidelines (including equation for minimum cover) 	<p>7.2. GMBP</p> <p>7.3. GMBP</p>

Sandra Anastasio - GM BluePlan

From: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Sent: Thursday, February 11, 2021 6:03 PM
To: Sandra Anastasio - GM BluePlan
Cc: Cook, Lori; Stewart, Rebecca
Subject: RE: [External] Region of Peel - Central Mississauga EA Consultation

Hi Sandra,

Not a problem. We can do 9-10 on the 24th.

Jakub

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Thursday, February 11, 2021 12:57 PM
To: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Cc: Cook, Lori <lori.cook@cvc.ca>; Stewart, Rebecca <Rebecca.Stewart@cvc.ca>
Subject: RE: [External] Region of Peel - Central Mississauga EA Consultation

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Hi Jakub,

Unfortunately, an unexpected conflict has come up and we will have to reschedule the meeting we have in the calendar for Tuesday, February 16th. Can you please confirm your team's availability for a 1-hour virtual meeting on the following date:

- Wednesday, February 24th - 9:00 am to 12:00 pm

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
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sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Sent: Tuesday, February 09, 2021 8:38 PM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Cook, Lori <lori.cook@cvc.ca>; Stewart, Rebecca <Rebecca.Stewart@cvc.ca>
Subject: RE: [External] Region of Peel - Central Mississauga EA Consultation

Hi Sandra,

Catching up on my emails after being off last week. Based on the suggested dates, the best time for CVC staff is Tuesday, February 16th 11-12.

Please confirm this date/time via a virtual meeting invite,
Jakub

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, February 3, 2021 8:51 AM
To: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Marray, Liam <Liam.Marray@cvc.ca>
Subject: [External] Region of Peel - Central Mississauga EA Consultation

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Hi Jakub,

The Region of Peel and GM BluePlan have been continuing our efforts on the Wastewater Capacity Improvements in Central Mississauga Class EA. We would like to setup a 1-hour virtual pre-PIC consultation meeting with your team to provide an update on the EA study and present the preliminary preferred solution.

I have provided dates and times below. Please let me know your team's availability at your earliest convenience.

- Tuesday, February 16th
 - 10:00 am to 12:00 pm
- Thursday, February 18th
 - 9:00 am to 12:00 pm
 - 2:00 pm to 4:30 pm
- Friday, February 19th
 - 9:00 am to 10:00 am
 - 1:00 pm to 4:30 pm

For your reference, please see a link to the project website below:

<http://www.peelregion.ca/pw/water/envIRON-assess/scheduled-c-class-environmental-assessment.asp>

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited



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www.gmblueplan.ca

Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.:	718018
Meeting:	CVC Pre-PIC #2 Consultation Meeting		
Date:	Wednesday, February 24, 2021	Time:	9:00 am – 10:00 am
Location:	Microsoft Teams		
Attendees:			
<u>CVC</u>	<u>Region of Peel</u>	<u>GM BluePlan</u>	<u>Golder</u>
Jakub Kilis	Justin Lee	Chris Campbell	Heather Melcher
Lori Cook	Laura Borowiec	Mark Zamojc	
Rebecca Stewart	Steven Oldford	Sandra Anastasio	

Agenda Items

1. Meeting Objectives
2. Class EA Process
3. Supporting Studies
4. Key CVC Considerations
5. Cooksville Creek Conceptual Shaft Plan and Profile
6. Additional Conceptual Shaft Locations
7. Project Schedule & Next Steps

Meeting Objectives

1. Update on the Class EA process
2. Outline conceptual sewer alignment and shaft compounds
3. Gain feedback from the CVC on alignment & shaft locations



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Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.:	718018																
Meeting:	CVC Pre-PIC #2 Consultation Meeting																		
Date:	Wednesday, February 24, 2021	Time:	9:00 am – 10:00 am																
Location:	Microsoft Teams																		
Attendees:	<table border="0"> <tr> <td><u>CVC</u></td> <td><u>Region of Peel</u></td> <td><u>GM BluePlan</u></td> <td><u>Golder</u></td> </tr> <tr> <td>Jakub Kilis</td> <td>Justin Lee</td> <td>Chris Campbell</td> <td>Heather Melcher</td> </tr> <tr> <td>Lori Cook</td> <td>Laura Borowiec</td> <td>Mark Zamojc</td> <td></td> </tr> <tr> <td>Rebecca Stewart</td> <td>Steven Oldford</td> <td>Sandra Anastasio</td> <td></td> </tr> </table>			<u>CVC</u>	<u>Region of Peel</u>	<u>GM BluePlan</u>	<u>Golder</u>	Jakub Kilis	Justin Lee	Chris Campbell	Heather Melcher	Lori Cook	Laura Borowiec	Mark Zamojc		Rebecca Stewart	Steven Oldford	Sandra Anastasio	
<u>CVC</u>	<u>Region of Peel</u>	<u>GM BluePlan</u>	<u>Golder</u>																
Jakub Kilis	Justin Lee	Chris Campbell	Heather Melcher																
Lori Cook	Laura Borowiec	Mark Zamojc																	
Rebecca Stewart	Steven Oldford	Sandra Anastasio																	

Item	Actions
1 <u>CVC Project Team</u> 1.1 Jakub Kilis – Manager, Infrastructure and Regulations 1.2 Lori Cook – Senior Planning Ecologist 1.3 Rebecca Stewart – EA / Engineering Plan Review	
2 <u>Preliminary Preferred Solution</u> 2.1 Trunk alignments will be tunneled; only surface works will be at shaft sites and open cut construction to connect into local sewers (Cooksville Creek, Cliff, Hensall, Tedlo) 2.2 The new Queensway sewer needs to connect to the Cooksville Creek sewer to divert flow east	
3 <u>Cooksville Creek Shaft Site</u> 3.1 GMBP to consider shifting manhole/shaft further east, if possible, to ensure that construction and permanent manhole/RTC control structures are outside of the floodplain 3.1.1 Flooding levels at current shaft location is approximately 1m 3.1.2 If shaft site cannot be moved, GMBP to consider construction grade and finished grade (elevation of permanent structures above the flooding levels) 3.1.3 Gate structure/controls would be required within the valley, however there is some flexibility on the location 3.2 Queensway/Cooksville Creek location has seen periodic and historic flooding 3.3 Construction phasing / timing should consider time periods with a lower risk of flooding 3.4 Shaft site may be within erosion hazard limit therefore may require erosion protection for connection point – CVC to confirm	3.1 GMBP 3.4 CVC
4 <u>Creek Clearance</u> 4.1 CVC to review other construction projects to determine if there are past cases of reduced construction cover. CVC benchmark guidance is 2.5m, EA proposed cover due to	

<p>technical limitations – pipe size, slope and depth of existing connecting sewers is 2m creek bed clearance. CVC to further consider and provide further guidance.</p>	<p>4.1 CVC</p>
<p>5 Construction Methodology / Risks</p> <p>5.1 Potential conflict with existing sanitary pipe and proposed sanitary pipe</p> <p>5.1.1 GMBP to review potential risks (e.g. frac-out or impact)</p> <p>5.1.2 GMBP to consider open cut for main alignment from existing Cooksville Creek Trunk Sewer to Cooksville Creek Shaft Site to avoid potential conflicts/risk (e.g., tunnel collapse) and to provide reinforcement for existing sewer</p> <p>5.1.3 CVC prefers trenchless construction for the pipe segment crossing Cooksville Creek</p> <p>5.2 CVC does not have a cover threshold for open cut; rely on technical considerations of project and input from the project consultant</p> <p>5.3 CVC to confirm flood impacts / floodplain mitigation measures</p> <p>5.4 CVC does not always require double row silt fencing; however, it can be beneficial for additional protection</p> <p>5.5 Dewatering implications will be further detailed in the hydrogeological and geotechnical investigations planned during detailed design to support permits and approvals</p>	<p>5.1 GMBP</p> <p>5.4 CVC</p>
<p>6 Next Steps</p> <p>6.1 CVC to provide considerations and recommended mitigation measures for the open cut section at Cooksville Creek</p> <p>6.2 CVC to review projects in the area (during the last 10-15 years) to determine if any scour hazard assessment have been completed</p> <p>6.2.1 Available information will help determine considerations required during EA, commitment to next steps within ESR and what will be required to support detailed design and permitting and approvals</p> <p>6.3 Further discussions required for Cooksville Creek depth cover / scour:</p> <p>6.3.1 Rebecca to provide pre-consultation comments after internal discussions with her CVC team</p> <p>6.3.2 GMBP to coordinate meeting next week with Rebecca</p> <p>6.4 GMBP to provide a copy of the presentation slides to all attendees</p> <p>6.5 CVC to review presentation slides and provide additional comments from CVC team</p>	<p>6.1 CVC</p> <p>6.2 CVC</p> <p>6.3 CVC / GMBP</p> <p>6.4 GMBP</p> <p>6.5 CVC</p>

These minutes have been prepared by the undersigned. If there are any errors or omissions in these minutes, please contact the author as soon as possible.



GM BLUEPLAN ENGINEERING LIMITED

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

Pre-PIC #2 Consultation Meeting
February 24, 2021

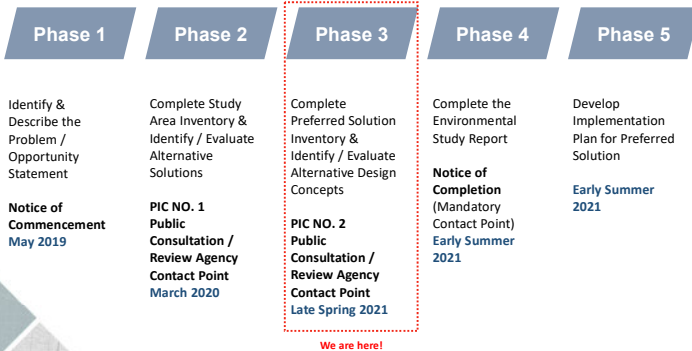
Agenda

1. Meeting Objectives
2. Class EA Process
3. Supporting Studies
4. Key CVC Considerations
5. Cooksville Creek Conceptual Shaft Plan and Profile
6. Additional Conceptual Shaft Locations
7. Project Schedule & Next Steps

Meeting Objectives

- Update on the Class EA process
- Outline conceptual sewer alignment and shaft compounds
- Gain feedback from the CVC on alignment & shaft locations

Class EA Process: Schedule



Consultation with CVC

- The Region & GMBP have consulted with CVC at key stages in the project:
 1. Study Notices
 - Notice of Commencement
 - Notice of PIC#1
 2. Pre-PIC #1 Consultation Meeting – January 2020
 - Presented the preferred conceptual alignment
 - Presented need to cross Cooksville Creek to connect to trunk sewer
 3. PIC #1 – March 2020
- GMBP provided a copy of the Desktop Natural Environment Report (February 24, 2020)
- CVC provided preliminary feedback that was considered during the EA process (Cooksville Creek) as well as the following files:
 - Cooksville Creek Model
 - Fluvial Geomorphic Guidelines

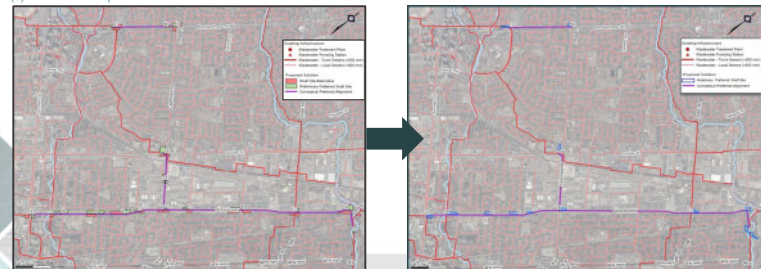
Supporting Studies

Study	Status	
Natural Environment		
Natural Environment (Desktop)	Completed	<ul style="list-style-type: none"> ✓ Key natural features: <ul style="list-style-type: none"> • Cooksville Creek • Etobicoke Creek
Natural Features (Short List of Alternatives)	Completed	
Hydraulic and Geomorphic Hazard Assessment	Completed	
Natural Features (Preliminary Preferred Design)	Completed	
Hydrology		
Desktop Hydrogeological Report	Completed	
Baseline Hydrogeological Report	Completed	
Areas of Potential Environmental Concern		
Phase One ESA	Completed	
Phase Two ESA (Recommended)	To be completed during Detailed Design	
Archaeology		
Stage 1 Archaeological Assessment	Completed	<ul style="list-style-type: none"> ✓ Stage 2 did not identify any areas of archaeological importance ✓ – no further studies required
Stage 2 Archaeological Assessment	Completed	
Cultural Heritage		
Cultural Heritage Screening Report	Completed	<ul style="list-style-type: none"> ✓ Impact assessment completed on identified cultural heritage resources – potential impacts can be fully mitigated – no further studies required
Cultural Heritage Existing Conditions & Preliminary Impact Assessment	Completed	
Traffic		
Traffic Impact Assessment	To be completed	
Geotechnical		
Desktop Geotechnical Investigations	To be completed	

Shaft Site Alternatives Evaluation

Detailed evaluation was completed on the shaft site alternatives. The main factors included:

- (1) Trunk and local sewer connections
- (2) Site availability
- (3) Site access
- (4) Existing municipal infrastructure conflicts
- (5) Existing utility infrastructure conflicts
- (6) Environmental and social impacts
- (7) Legal / jurisdictional impacts
- (8) Stakeholder input



CVC Key Considerations

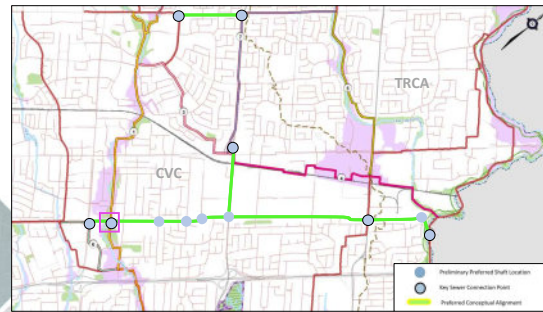


- The following are key CVC considerations:
 - Natural Features / Watercourses
 - Aquatic and Terrestrial Habitat and Wildlife
 - Source Water Protection
 - Archaeological and Heritage Resources
 - CVC Regulated Area
 - Community Impacts
 - Flooding / Erosion Impacts

1. Natural Features



The majority of the shaft locations and alignments fall within CVC jurisdiction
 • Focus of potential impact to key natural features at Queensway and Cookville Creek



2. Aquatic and Terrestrial Habitat And Wildlife



Investigations/Surveys:

- Ecological land classification and botanical inventory
- Breeding bird surveys
- Fish habitat assessment and community inventory
- Bat roosting habitat assessment
- General wildlife and habitat assessment



Summary of Observations:

- No wetland observed – no amphibian surveys or analysis required
- Bat roosting habitat observed (rock pile)
- Several invasive plants observed including dog-strangling vine, phragmites and Siberian elm
- No plant species at risk observed



2. Aquatic and Terrestrial Habitat And Wildlife



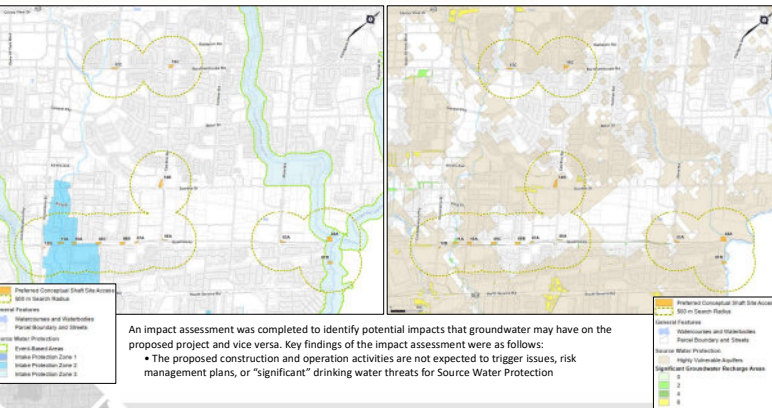
Conclusions

- Watercourses in the study area support a cool/coldwater fish community consisting of native and non-native fish species
- Fish and fish habitat present in Cookville Creek and tributaries
- Cookville Creek supports a range of life history events including specialized habitats such as spawning areas, migratory routes and habitats for Salmonid species (Rainbow Trout, and Brown Trout)
- Historical records of fish species at risk (Redside dace, American eel and Lake sturgeon), although likely only able to support American eel

Recommended Mitigation Measures

- Construction limits will be demarcated at all sites
- At all sites, vegetation clearing will be completed outside the bird nesting season or, if unavoidable, preceded by a nest survey to avoid disturbance
- All potential bat roosting habitat identified during field assessment is outside proposed construction limits or near sites no longer in consideration
- Sediment and erosion mitigation measures will be implemented to minimize bank erosion and downstream siltation.
- Spill management mitigation measures will be implemented to minimize deleterious substances from entering the water.
- Streambed and banks will be recontoured to pre-construction profile, as necessary, to ensure that the flow patterns are unaltered
- If in-stream work is required (not considered necessary at this stage):
 - Construction activities will occur within fish timing windows (i.e., no in-water work between October 1 to July 15) and during a period of low flow
 - A fish salvage will be completed in the isolation area prior to de-watering

3. Source Water Protection



4. Archaeological and Heritage Resources



Archaeology

- Stage 1 and 2 Archaeological Assessments were completed
 - Stage 2 did not identify any areas of archaeological importance
 - No further studies required

Cultural Heritage

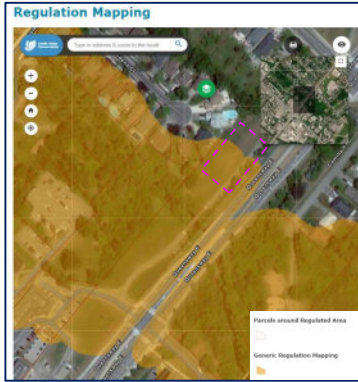
- Cultural Heritage Screening was completed and identified the heritage resources within the study area
- Preliminary Impact Assessment completed on cultural heritage resources nearby proposed surface works
 - Three resources within CVC boundary:
 - 707 Dundas Street East (Chapel & Cemetery)
 - 3065 Cawthra Road (Church)
 - 680 Silver Creek Boulevard (Residential Structure)
 - No potential impacts / no mitigation measures required
 - No further studies required



5. CVC Regulated Area



- A total of 10 shaft sites located within the CVC boundary
 - 1 shaft site located within CVC regulation limit:
 - Queensway and Cookville Creek
 - Permit required for construction
- Proposed below ground crossing at Cookville Creek at Queensway



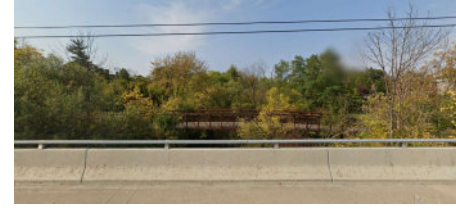
GM BluePlan
February 24, 2021

6. Community Impacts



Queensway and Cookville Creek

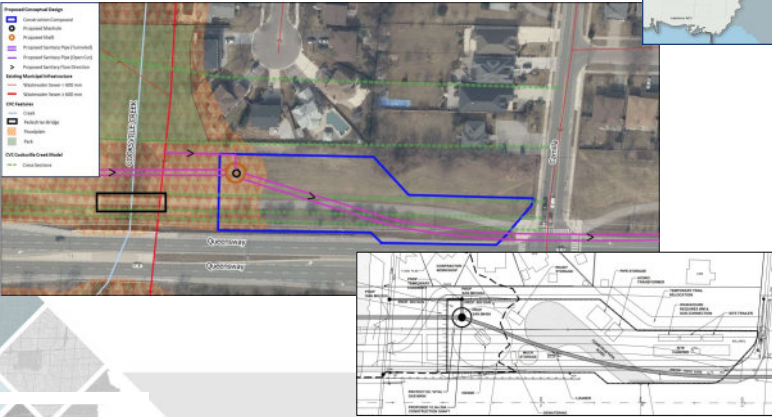
- Potential temporary impacts to the multi-use trail and pedestrian bridge
- Temporary relocation of trail during construction
- Coordination with the City of Mississauga



GM BluePlan
February 24, 2021

Preliminary Preferred Shaft Compound (Conceptual)

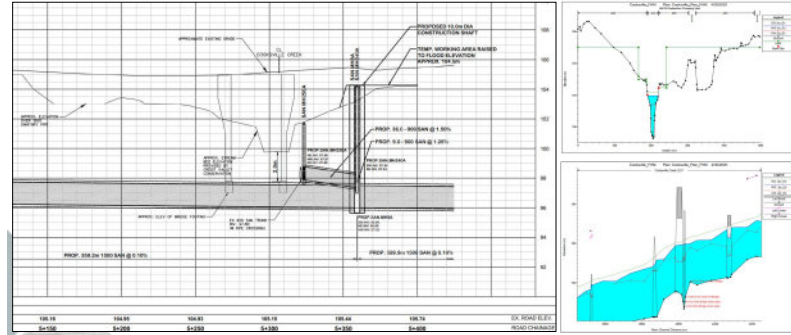
Queensway and Cookville Creek/Camilla



Cookville Creek Profile



- Fluvial Geomorphic Guidelines provided the Natural Scour Hazard of 2.5 m per 100 years (reasonable benchmark)
- Cookville Creek Model used to cross reference profile



GM BluePlan
February 24, 2021

Construction within the Floodplain



A variety of mitigation measures can be used for construction within the floodplain.

1. Double row silt perimeter fencing with straw bales for sediment control and water quality protection
2. Riprap to stabilize the edge of working pad
3. Raised working pad, above the flood elevation (shaft constructed from raised working pad)



Feb 11, 2021 8:46:06 AM

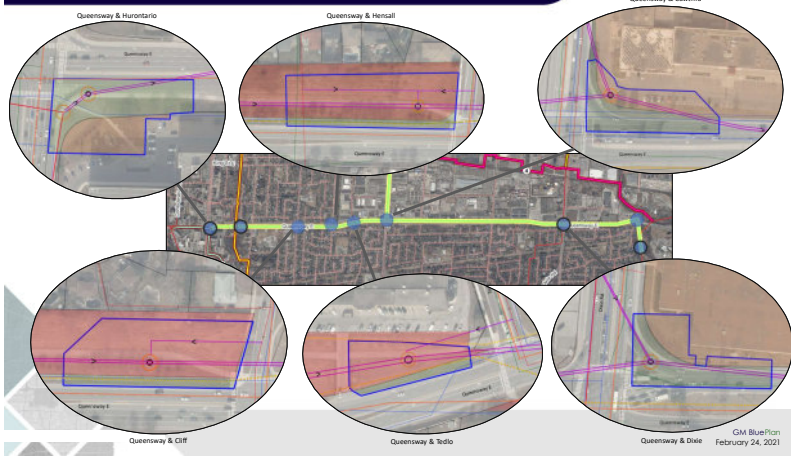
GM BluePlan
February 24, 2021

Burnhamthorpe & Cawthra Conceptual Shaft Compounds



GM BluePlan
February 24, 2021

Queensway Conceptual Shaft Compounds



GM BluePlan
February 24, 2021

Project Schedule & Next Steps



- PIC #2 to present the preliminary preferred design solution
 - March/April 2021
- Additional technical studies will be completed on the preferred design solution including:
 - Desktop Geotechnical Investigations
 - Traffic Impact Assessment
- Phase 4: Environmental Study Report
 - Notice of Completion
 - Minimum 30-day Public Review Period – Summer 2021

GM BluePlan
February 24, 2021

Stakeholder Engagement



The following agency consultations to be completed before PIC #2:

1. Hydro One
 - Study field investigations
 - Property easements
2. Alectra
 - Working around hydro poles / wires during construction
3. Enbridge
 - Coordination along Queensway
4. City of Mississauga
 - Study field investigations
 - Property easements
 - Multi-use trails along Queensway
 - Traffic / Transit (e.g., bus shelter relocations)
5. Private Landowners
 - Study field investigations
 - Property easements
6. TRCA
 - Etobicoke Creek alignment and shaft sites

GM BluePlan
February 24, 2021

Feedback



GM BluePlan
February 24, 2021

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Friday, February 26, 2021 2:02 PM
To: Jakub.Kilis@cvc.ca
Cc: Cook, Lori; Stewart, Rebecca; Lee, Justin; Chris Campbell - GM BluePlan
Subject: Central Miss EA - Consultation

Hi Jakub,

Please find a copy of the Central Mississauga EA slides that were presented earlier this week for your team's review.

https://sendafile.gmblueplan.ca/public_uploads/2021-02-26_190006_210224-SLID-CVC_Pre-PIC2_Consultation_Final.pdf

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018			
Meeting:	CVC Technical Review Meeting				
Date:	Tuesday, March 16, 2021	Time: 11:00 am – 12:00 am			
Location:	Microsoft Teams				
Attendees:	<table border="0" style="width: 100%;"> <tr> <td style="width: 33%; vertical-align: top;"> <u>CVC</u> Jakub Kilis </td> <td style="width: 33%; vertical-align: top;"> <u>Region of Peel</u> Justin Lee Laura Borowiec Steven Oldford </td> <td style="width: 33%; vertical-align: top;"> <u>GM BluePlan</u> Chris Campbell Mark Zamojc Sandra Anastasio </td> </tr> </table>		<u>CVC</u> Jakub Kilis	<u>Region of Peel</u> Justin Lee Laura Borowiec Steven Oldford	<u>GM BluePlan</u> Chris Campbell Mark Zamojc Sandra Anastasio
<u>CVC</u> Jakub Kilis	<u>Region of Peel</u> Justin Lee Laura Borowiec Steven Oldford	<u>GM BluePlan</u> Chris Campbell Mark Zamojc Sandra Anastasio			

Item	Actions
<p>1. <u>Cooksville Creek Floodplain</u></p> <p>1.1 GMBP reviewed shaft site and determined it is feasible to move shaft site to the east, to ensure shaft is outside of floodplain.</p> <p>1.2 GMBP to confirm construction methodology during EA stage; open cut construction from shaft to connecting sewer at Cooksville creek to mitigate risk to existing pipe</p> <p>1.3 GMBP to include next steps required during Detailed Design; local impacts during construction, timing and mitigation measures.</p> <p>1.4 Dewatering information will be provided during Detailed Design.</p> <p>1.5 CVC in agreement that shifting site outside of floodplain is the best solution.</p>	
<p>2. <u>Cooksville Creek Scour Assessment</u></p> <p>2.1 CVC reviewing past scour assessment studies close to shaft site (timeline of ~2 weeks to compile past reports) .</p> <p>2.2 CVC will require one of the following to provide scour depth approval:</p> <p style="margin-left: 20px;">2.2.1 Evidence from previous studies completed close to the study area that confirm scour depth (e.g. Regional projects in 2010 and 2013, COM pedestrian bridge).</p> <p style="margin-left: 20px;">2.2.2 GMBP to conduct a scour assessment study (field work, research of historical studies) to confirm scour depth.</p> <p>2.3 GMBP to prepare a Tech Memo providing evidence of scour depth. If proposed pipe depth is shallower than scour depth, GMBP to provide mitigation measures.</p>	
<p>3. <u>Cooksville Creek Erosion Hazard</u></p> <p>3.1 Shifting the shaft site outside of flood hazard area will minimize erosion hazard.</p> <p>3.2 GMBP has the option to prepare a Tech Memo to review construction impacts to existing infrastructure/conditions on site (e.g. infrastructure, upstream houses) – this can also be completed during Detailed Design.</p> <p>3.3 CVC to provide GMBP examples of an Erosion Hazard report (e.g. Region Lakeshore Forcemains).</p>	

<p>4. Next Steps</p> <p>4.1 Jakub to send previous Scour Assessment studies close to the study area</p> <p>4.2 Jakub to send example of Erosion Hazard reports</p> <p>4.3 GMBP / Region to review previous Region of Peel studies for scour assessments of Cooksville Creek</p>	<p>4.1 JK</p> <p>4.2 JK</p> <p>4.3 GMBP/Region</p>
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These minutes have been prepared by the undersigned. If there are any errors or omissions in these minutes, please contact the author as soon as possible.



GM BLUEPLAN ENGINEERING LIMITED

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, April 07, 2021 10:42 AM
To: Jakub.Kilis@cvc.ca
Cc: Lee, Justin; Chris Campbell - GM BluePlan
Subject: Peel Central Mississauga EA - Meeting Package

Hi Jakub,

Please find in the link below a copy of the meeting package for the Region of Peel Central Mississauga EA study for your review.

https://sendafile.gmblueplan.ca/public_uploads/2021-04-07_143954_210224-PKG-CVC_Pre-PIC2_Consultation.pdf

Let me know if you have any questions or comments.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, July 26, 2021 3:18 PM
To: Kilis, Jakub
Cc: Chris Campbell - GM BluePlan; Lee, Justin
Subject: RE: CVC Comments - PIC 2 - Peel WW Capacity Improvements in Central Mississauga (CVC File No EA 20/001)

Hi Jakub,

Thank you for providing your feedback. We will consider your comments in the selection and refinement of the design and construction methodology for the preferred solution.

Kind regards,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Sent: Thursday, July 08, 2021 3:47 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Pamela Teddy - GM BluePlan <Pamela.Teddy@gmblueplan.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: CVC Comments - PIC 2 - Peel WW Capacity Improvements in Central Mississauga (CVC File No EA 20/001)

Hi Sandra and Justin,

CVC staff has now had an opportunity to review the PIC materials and offer the following comments for your consideration

1. Our comments below are general in nature and we expect that specific technical comments will be provided as part of a full future technical submission.
2. CVC typically looks for proposed infrastructure to be located outside of the 100-year local erosion hazard and outside of the regulatory floodplain to the best extent possible. This must be considered when evaluating the location for the Cooksville Creek Shaft Compound. As we understand that CVC has previously been in discussions regarding this location, we recognize that the Region is in the process of working towards an approach that satisfies the CVC's requirements and recommendations. However, it's important that CVC's flood and erosion hazards are incorporated and considered throughout the evaluation process of the alternatives.

3. In anticipation of a more detailed technical submission to follow, please be mindful that CVC will be looking for site specific details regarding the avoidance and protection of trees (amongst other broader natural heritage features and functions such as Peel Greenlands and Species at Risk). Page 9 of the Display Panels, for example, does not reflect the optimal level of feature avoidance that would be expected where feasible. The Page 9 – Construction Set Up schematic example shows an access road and material storage area placed over a hedgerow and possible Headwater Drainage Feature (HDF) within an easement area that doesn't appear to be particularly constrained. Through the course of EA and future Detailed Design, please ensure that every effort is taken to avoid and protect natural features as well as green infrastructure such as upland trees and hedgerows. Please also ensure that standard details reflect this intent.
4. Further to the above on the subject of avoidance, please also avoid Peel Greenlands to the extent possible, such as in the case of the Slide 34 and Shaft locations. From an ecological perspective, selecting the northern site option avoids Peel Greeland and preserves valleyland features and functions.

Please let me know if you have any questions about the above,
Jakub

I'm working remotely. The best way to reach me is by email, mobile phone or Microsoft Teams.

Jakub Kilis | RPP

Senior Manager, Infrastructure and Regulations | Credit Valley Conservation

905-670-1615 ext 287 | M: 647-212-6554

jakub.kilis@cvc.ca | cvc.ca



[View our privacy statement](#)

Wastewater Capacity Improvements for Central Mississauga Schedule 'C' Municipal Class EA

CVC Technical Review Meeting
September 17, 2021

Agenda

1. Cooksville Creek Scour Analysis Key Findings
2. Cooksville Creek Shaft Design Alternatives
3. Cooksville Creek Shaft Design Recommendations
4. Next Steps

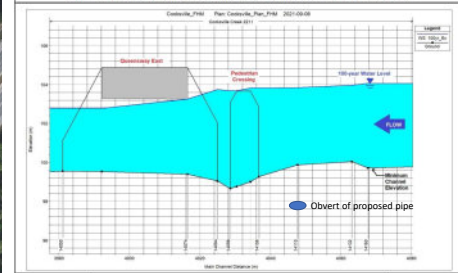
Meeting Objectives

- Review key findings from the scour assessment completed at Cooksville Creek
- Provide design recommendations for Cooksville Creek shaft site and Cooksville Creek crossing

Scour Analysis – Cooksville Creek Profile



Figure 2: Estimated Longitudinal Channel Profile at Subject Reach of Cooksville Creek



- LEGEND**
- FLOW DIRECTION
 - WATERCOURSE
 - ESTIMATED CENTRELINE OF CHANNEL BEYOND THE LIMITS OF THE STUDY REACH
 - CHANNEL CROSS SECTION OBTAINED FROM THE CVC HEC-RAS MODEL
 - GOLDER SURVEYED CHANNEL CROSS SECTION ADDED TO THE CVC HEC-RAS MODEL
 - STUDY REACH FOR ANALYSIS

Scour Analysis Key Findings

Summary of Minimum Requirements

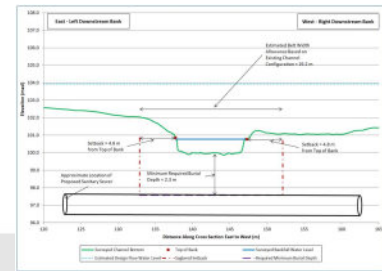
- Calculated Scour Depth = 2.30 m
 - Based on Blench Method, most conservative
- Belt width allowance = 19.2 m
 - Setback distance of 4.8 m from top of bank on either side of channel

The required cover depth and thickness at the channel are largely available (pipe is 0.02- 0.04 m within required burial depth).

Potential Mitigation Measures for Additional Cover Protection

- Rip rap or river stone at the bed or banks of the channel in immediate vicinity of crossing
 - Provides local erosion protection and armouring
- Installation of small rock weir or riffle at location immediately downstream of channel crossing
 - Reduces velocities and shear stress at crossing location.

Report will be provided to CVC for detailed review following this meeting.



Cooksville Creek Floodplain Area



Cooksville Creek Recommended Design

Preferred Design includes:

- Abandon section of existing 900 mm Cooksville Creek Trunk Sewer and install new 900 mm sanitary pipe at 0.3% slope adjacent to existing pipe
- Open cut construction for new section of 900 mm pipe and connection to proposed 1500 pipe
- Tunnel 1500 mm pipe under Cooksville Creek towards Hurontario
- Control structure within floodplain
- Bypass pumping within floodplain
- Storage of materials/equipment outside of floodplain

Ability for construction storage and main compound to be outside flood plain

Minimized easement needs and disruption to private property west of Creek

Minimized construction risk – no tunnelling under/in proximity to existing active 900 mm trunk sewer

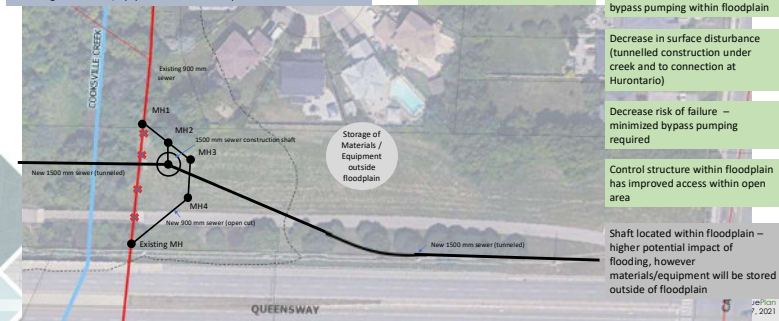
Minimized potential impacts to natural features – decrease in length of time needed to sewage bypass pumping within floodplain

Decrease in surface disturbance (tunnelled construction under creek and to connection at Hurontario)

Decrease risk of failure – minimized bypass pumping required

Control structure within floodplain has improved access within open area

Shaft located within floodplain – higher potential impact of flooding, however materials/equipment will be stored outside of floodplain



Cooksville Creek Recommended Design



GM BluePlan
September 17, 2021

Next Steps



- Additional technical studies are being completed on the preferred design solution including:
 - Natural Environment Impact Assessment (Cooksville Creek and Etobicoke Creek)
 - Desktop Geotechnical Investigations (Preferred Solution)
 - Traffic Impact Assessment (Preferred Solution)
- Phase 4: Environmental Study Report
 - Draft ESR for review by MECP, TRCA, CVC
 - Notice of Completion
 - 30-day Public Review Period – November 2021

GM BluePlan
September 17, 2021

Feedback



GM BluePlan
September 17, 2021



Royal Centre 3300 Hwy 7 Suite 402
 Vaughan ON L4K 4M3
 P: 416.703.0667 F: 416.703.2501
 www.gmblueplan.ca

Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018			
Meeting:	CVC Technical Review Meeting				
Date:	Friday, September 17, 2021	Time: 2:00 pm – 3:00 pm			
Location:	Microsoft Teams				
Attendees:	<table border="0" style="width: 100%;"> <tr> <td style="width: 33%; vertical-align: top;"> <u>CVC</u> Jakub Kilis Matteo De Stafano Rizwan Haq </td> <td style="width: 33%; vertical-align: top;"> <u>Region of Peel</u> Justin Lee Laura Borowiec Andrea Pitura </td> <td style="width: 33%; vertical-align: top;"> <u>GM BluePlan</u> Chris Campbell Ben Percy </td> </tr> </table>		<u>CVC</u> Jakub Kilis Matteo De Stafano Rizwan Haq	<u>Region of Peel</u> Justin Lee Laura Borowiec Andrea Pitura	<u>GM BluePlan</u> Chris Campbell Ben Percy
<u>CVC</u> Jakub Kilis Matteo De Stafano Rizwan Haq	<u>Region of Peel</u> Justin Lee Laura Borowiec Andrea Pitura	<u>GM BluePlan</u> Chris Campbell Ben Percy			

Item	Actions
1. <u>Cooksville Creek Scour Assessment</u> 1.1 GMBP outlined the main findings of Golder's 15 September Scour Assessment Report. (Provided to CVC electronically on 16 September) 1.2 The main conclusion of the Report was based on this preliminary assessment there is adequate cover of approximately 2.3 m between creek bed and proposed sewer to avoid pipe exposure due to scour. 1.3 GMBP believes that with mitigative measures to be agreed through detailed design and permitting and approvals the construction of the proposed sewer crossing of the Cooksville Creek can be undertaken using trenchless technology. 1.4 Based on CVC's initial review of the report and today' discussion they agree in principle that the scour analysis does support the opportunity to use trenchless construction technology to cross the Cooksville Creek. 1.5 CVC stated that they would need more time to review the Golder 15 September Report in detail to provide a formal written response following the meeting 1.6 GMBP to confirm construction methodology during EA stage; open cut construction from shaft to connecting sewer at Cooksville creek to mitigate risk to existing pipe 1.7 GMBP to include next steps required during Detailed Design; local impacts during construction, timing and mitigation measures. 1.8	CVC to review Scour r
2. <u>Preliminary Preferred Cooksville Creek Construction Alternative</u> 2.1 CVC reviewing past scour assessment studies close to shaft site (timeline of ~2 weeks to compile past reports) . 2.2 CVC will require one of the following to provide scour depth approval: 2.2.1 Evidence from previous studies completed close to the study area that confirm scour depth (e.g. Regional projects in 2010 and 2013, COM pedestrian bridge). 2.2.2 GMBP to conduct a scour assessment study (field work, research of historical studies) to confirm scour depth. 2.3 GMBP to prepare a Tech Memo providing evidence of scour depth. If proposed pipe depth is shallower than scour depth, GMBP to provide mitigation measures.	

<p>3. <u>Cooksville Creek Erosion Hazard</u> 3.1 Shifting the shaft site outside of flood hazard area will minimize erosion hazard. 3.2 GMBP has the option to prepare a Tech Memo to review construction impacts to existing infrastructure/conditions on site (e.g. infrastructure, upstream houses) – this can also be completed during Detailed Design. 3.3 CVC to provide GMBP examples of an Erosion Hazard report (e.g. Region Lakeshore Forcemains).</p>	
<p>4. <u>Next Steps</u> 4.1 Jakub to send previous Scour Assessment studies close to the study area 4.2 Jakub to send example of Erosion Hazard reports 4.3 GMBP / Region to review previous Region of Peel studies for scour assessments of Cooksville Creek</p>	<p>4.1 JK 4.2 JK 4.3 GMBP/Region</p>

These minutes have been prepared by the undersigned. If there are any errors or omissions in these minutes, please contact the author as soon as possible.



GM BLUEPLAN ENGINEERING LIMITED

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 15, 2021 12:44 PM
To: Kilis, Jakub
Subject: RE: [External] Peel Central Miss EA (File # 20/001) - Draft ESR Review

Hi Jakub,

Not a problem, that timeline works with us. Thanks for letting us know.

Happy holidays!

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Sent: Wednesday, December 15, 2021 9:49 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: [External] Peel Central Miss EA (File # 20/001) - Draft ESR Review

Hi Sandra,

Although we are trying to turn around our review of the ESR for the January 10 deadline a number of our technical staff are away during the holidays and we may need to provide our comment later during the week of the 10th.

Thanks for your understanding,
Jakub

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Friday, December 3, 2021 7:56 PM
To: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>
Subject: [External] Peel Central Miss EA (File # 20/001) - Draft ESR Review

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Hi Jakub,

The Region of Peel is planning on filing the Environmental Study Report (ESR) for the Wastewater Capacity Improvements in Central Mississauga EA (File # 20/001) early in the New Year. We would like to provide CVC with the opportunity to review the Draft ESR before the public review period. I have included a link below to the Draft ESR.

https://sendafile.gmblueplan.ca/public_uploads/2021-12-04_004803_2021-12-03_Peel_Central_Mississauga_EA_DRAFT_ESR_Stakeholder_Review.zip

This link will be available for the next 21 days

Please provide your team's comments by January 10th, 2022 for consideration before project filing.

Let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
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Sandra Anastasio - GM BluePlan

From: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Sent: Wednesday, December 15, 2021 9:38 AM
To: Chris Campbell - GM BluePlan
Cc: Sandra Anastasio - GM BluePlan; De Stefano, Matteo; Lee, Justin
Subject: RE: [External] RE: CVC Comments - Peel Central Mississauga EA - Scour Analysis Review (CVC File No EA 20/001)

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Chris,

Please see our feedback below in [blue](#).

Let me know if you have any additional questions,
Jakub

From: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Sent: Wednesday, December 1, 2021 10:35 AM
To: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Cc: Sandra Anastasio - GM BluePlan <sandra.anastasio@gmblueplan.ca>; De Stefano, Matteo <matteo.destefano@cvc.ca>; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: [External] RE: CVC Comments - Peel Central Mississauga EA - Scour Analysis Review (CVC File No EA 20/001)

[CAUTION] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If in doubt contact help211@cvc.ca

Hi Jakub,

Hope you are well. We are currently finalizing our Draft ESR Document and plan on sending this to you prior to the public filing period planned for the New Year.

We also thank you for providing CVC's comments on the Cooksville Creek Scour Analysis Report and findings.

We understand that in general, CVC is supportive of the current scour analysis approach and results for the purpose of advancing the EA, assuming that additional studies be completed during detailed design to further investigate the Cooksville Creek reach.

We acknowledge that the following will be required during detailed design and will be noted in the Design Commitment section of the study's ESR. We have added some comments below in red for further clarification on the requested scope:

- Completion of a detailed survey for this reach of Cooksville Creek will be required during the detailed design phase of work
Clarification on the scope of the requested "detailed survey" during the detailed design phase, given that the existing scour analysis already relies on detailed, site-specific data.

This should follow our CVC Factsheet for scour analysis: https://cvc.ca/wp-content/uploads/2021/06/rpt_scourfactsheet_f_111219.pdf

- a) Measure five to ten cross-sections per reach based on the size and complexity of the watercourse representing at minimum two complete meanders (these cross-sections should cover the range of typical geomorphic units within the reach).
 - b) Extend each cross-section beyond bankfull indicators. The distance between measurement points should be less than 5 percent of the bankfull width.
 - c) Collect local energy gradients (i.e. current water, bankfull, riffle, and inter-pool) and channel profile through a length 20-40 times the bankfull width and encompassing the cross-section survey extent.
 - d) Measure bankfull gradient from surveyed points of the bankfull position at each cross-section based on standard field indicators.
- Completion of a pebble count will be required during the detailed design phase of work.
Confirmation that, assuming the requested collection/analysis of the pebble count information is shown to further verify Golder's estimated scour depth estimate, CVC will be supportive of the currently reported scour analysis approach/results, rather than defer to CVC's Fluvial Geomorphic Guidelines, which would generate the need for additional mitigation measures at the channel bed.

The pebble count is a requirement of the scour analysis, as outlined in the CVC factsheet. In the event that the pebble count verifies Golder's estimate scour depth, we will still need to review the detailed survey (outlined above) to be completed for Cooksville Creek. We cannot confirm that we will be supportive of the scour analysis at this time, this will depend on the submission of the requested works deferred to the detailed design phase.

Thank you,

Chris

Chris Campbell, MTP, MCIP, RPP, MRTPI
Branch Manager, Infrastructure Planning, Partner

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chris.campbell@gmblueplan.ca | www.gmblueplan.ca



From: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Sent: Thursday, October 14, 2021 1:03 PM
To: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Cc: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; De Stefano, Matteo <matteo.destefano@cvc.ca>
Subject: CVC Comments - Peel Central Mississauga EA - Scour Analysis Review (CVC File No EA 20/001)

Hi Chris,

CVC staff has completed the review of the draft Geomorphology report and offer the following comments for your consideration:

Study Specific Comments

1. The scour analysis is not consistent with CVC's Fluvial Geomorphic Guidelines: Factsheet VI Scour Analysis (CVC, 2019), however, the constraints are recognized having to locate the sewer beneath Cooksville Creek and tying into existing infrastructure. Note that future submissions must follow and meet the CVC's Fluvial Geomorphic Guidelines: Factsheet VI Scour Analysis (CVC, 2019).
2. Having said that, the provided study meets the minimum requirements for scour analysis at the EA phase of work and we have no specific comments at the EA stage. Additional detailed field work to confirm the study findings will be required at detailed design. Please see specific comments below.

Requirements for Detailed Design

3. Completion of a detailed survey for this reach of Cooksville Creek will be required during the detailed design phase of work.
4. Completion of a pebble count will be required during the detailed design phase of work.
5. Calculated scour depths presented with this draft scour analysis must be confirmed using the above site specific information during the detailed design phase of work.

Please let me know if you have any questions about the above,
Jakub

I'm working remotely. The best way to reach me is by email, mobile phone or Microsoft Teams.

Jakub Kilis | RPP

Senior Manager, Infrastructure and Regulations | Credit Valley Conservation

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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Thursday, February 10, 2022 2:08 PM
To: Kilis, Jakub
Cc: Chris Campbell - GM BluePlan; laura.borowiec@peelregion.ca; Lee, Justin
Subject: RE: CVC Comments - Peel Central Mississauga EA Draft ESR Review (CVC File No. EA 20/001)
Attachments: 22-02-10 CVC Comment Responses.pdf

Hi Jakub,

Thank you for providing your team's comments on the Central Mississauga ESR. Our team has considered your comments and updated the report accordingly. Please find attached our comment responses.

The ESR will be available for public review from February 16th to March 18th, 2022 on the Region's project webpage: <https://www.peelregion.ca/pw/water/environ-assess/scheduled-c-class-environmental-assessment.asp>

Please let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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From: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Sent: Tuesday, January 11, 2022 5:11 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; laura.borowiec@peelregion.ca; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: CVC Comments - Peel Central Mississauga EA Draft ESR Review (CVC File No. EA 20/001)

Hi Sandra,

CVC staff has now had a chance to review the draft ESR and offer the following comments for your consideration.

EA Review

1. CVC staff is satisfied with the draft EA submission and have no further comments on the EA at this time.

Recommendations for Detailed Design - CVC offers the following recommendations for the detailed design stage of the project:

2. Provide detailed design drawings of all proposed works. All drawings must be signed and stamped by a registered Professional Engineer or qualified professional prior to receiving approval from the conservation authority.
3. Please provide erosion and sediment control plans (ESC) with control measures identified as necessary. Please refer to the Standard Notes for Drawings Submitted for CVC Review and include with ESC plans.
4. Please provide a construction staging plan for work carried out within the floodplain, particularly related to the open-cut work associated with the 900 mm permanent bypass.
5. Please confirm the time of year that the proposed works will be carried out.
6. Please provide a response plan in the event of a spill/leak of the existing wastewater 900 mm sewer during the implementation of the bypass.
7. Please address previous requests related to the Scour Analysis as previously discussed and documented. This will be required to confirm the preliminary calculation of scour depth.
8. Existing grading elevations must be maintained at the completion of the work. Please comment/confirm during the design phase.
9. Please confirm the construction timing window for works in and near water specific to the project site with MDMMNRF (ESR recommends window of July 16th to September 30th of any given year but mentions you are awaiting feedback from MDMMNRF).
10. Please provide a contingency plan for the unlikely occurrence of a tunnel collapse during the tunnel boring beneath Cooksville Creek.
11. Please provide an environmental management plan for the management and discharge of groundwater. Please include documentation of groundwater quality testing.
12. Please provide a soils management plan for the management of contaminated soils as appropriate – to include documentation of soil testing in light of Phase 1 ESA results and recommendations.
13. Please provide a tree protection and removals plan associated with all works affecting trees within CVC's regulated area.
14. Please provide a comprehensive offsetting plan for all damaged and removed trees within CVC's regulated area. For further guidance please see CVC's Ecosystem Offsetting Guidelines (CVC, 2020). Linking back to comment #13 above, please note that in following these guidelines it is recommended that all trees with a dbh of 5cm or greater be surveyed within the area of disturbance/removals in order to document existing conditions.
15. In terms of the ESR report's recommendation that the creek bed and banks be fortified with rip rap or river stone within the area of the crossing please ensure that all treatments consider fish passage and replicate natural habitat features to the extent possible in terms of stone sizing, stone placement and shape. That being said, flow appropriate round stone from a reputable quarry is recommended. In terms of bank treatment, bioengineering methodologies and technologies are recommended which maximize the incorporation of native vegetation material (shrubs, plugs, and live stakes) to be placed in lifts within the softest methods possible.
16. As recommended in the ESR report, monitoring requirements should also be fleshed out at detailed design.

Please let me know if you have any questions about the above,
Jakub

I'm working remotely. The best way to reach me is by email, mobile phone or Microsoft Teams.

Jakub Kilis | RPP

Senior Manager, Infrastructure and Regulations | Credit Valley Conservation

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CVC COMMENTS AND PROPONENT RESPONSES

ITEM	CVC COMMENTS (January 11, 2022)	GM BLUEPLAN RESPONSE (February 10, 2022)
1	Provide detailed design drawings of all proposed works. All drawings must be signed and stamped by a registered Professional Engineer or qualified professional prior to receiving approval from the conservation authority.	TRCA and CVC will have the opportunity to review the detailed design drawings during the detailed design stage. Section 9.2 (Design Commitments - Natural Environment) notes that additional consultation with TRCA and CVC is required including the opportunity to review detailed design drawings at Etobicoke Creek and Cooksville Creek crossings.
2	Please provide erosion and sediment control plans (ESC) with control measures identified as necessary. Please refer to the Standard Notes for Drawings Submitted for CVC Review and include with ESC plans.	Standard Notes for Drawing Submitted for CVC Review has been added in Section 9.2 (Design Commitments - Natural Environment).
3	Please provide a construction staging plan for work carried out within the floodplain, particularly related to the open-cut work associated with the 900 mm permanent bypass.	Construction Staging Plan requirement has been added in Section 9.2 (Design Commitments - Natural Environment).
4	Please confirm the time of year that the proposed works will be carried out.	In Section 10.2 (Implementation Schedule), the estimated construction timeline begins in 2024 and ends in 2028. The time of year of the proposed construction works will be confirmed during the detailed design stage once addition investigations/analyses has been completed.
5	Please provide a response plan in the event of a spill/leak of the existing wastewater 900 mm sewer during the implementation of the bypass.	A Response Plan will be developed during the detailed design stage. The requirement has been added in Section 8.1.1 (Natural Features and Wildlife Habitat Impact), Section 8.2 (Impact Mitigation and Monitoring Measures) and Section 9.2 (Design Commitments - Natural Environment).
6	Please address previous requests related to the Scour Analysis as previously discussed and documented. This will be required to confirm the preliminary calculation of scour depth.	Scour analysis requirements is included in Section 9.2 (Design Commitments - Natural Environment).
7	Existing grading elevations must be maintained at the completion of the work. Please comment/confirm during the design phase.	This will be completed during the detailed design stage. The requirement has been included in Section 9.2 (Design Commitments - Natural Environment).

ITEM	CVC COMMENTS (January 11, 2022)	GM BLUEPLAN RESPONSE (February 10, 2022)
8	Please confirm the construction timing window for works in and near water specific to the project site with MDMNRF (ESR recommends window of July 16 th to September 30 th of any given year but mentions you are awaiting feedback from MDMNRF).	This will be completed during the detailed design stage. The requirement has been included in Section 9.2 (Design Commitments - Natural Environment).
9	Please provide a contingency plan for the unlikely occurrence of a tunnel collapse during the tunnel boring beneath Cooksville Creek.	This will be completed during the detailed design stage. The requirement has been included in Section 9.2 (Design Commitments - Natural Environment)
10	Please provide an environmental management plan for the management and discharge of groundwater. Please include documentation of groundwater quality testing.	This will be completed during the detailed design stage. The requirement has been included in Section 9.4 (Design Commitments - Hydrogeological Investigations)
11	Please provide a soils management plan for the management of contaminated soils as appropriate – to include documentation of soil testing in light of Phase 1 ESA results and recommendations.	This will be completed during the detailed design stage. The requirement has been included in Section 9.5 (Design Commitments - Environmental Site Assessment)
12	Please provide a tree protection and removals plan associated with all works affecting trees within CVC's regulated area.	This will be completed during the detailed design stage. The requirement has been included in Section 9.2 (Design Commitments - Natural Environment)
13	Please provide a comprehensive offsetting plan for all damaged and removed trees within CVC's regulated area. For further guidance please see CVC's Ecosystem Offsetting Guidelines (CVC, 2020). Linking back to comment #13 above, please note that in following these guidelines it is recommended that all trees with a dbh of 5cm or greater be surveyed within the area of disturbance/removals in order to document existing conditions.	This will be completed during the detailed design stage. The requirement has been included in Section 9.2 (Design Commitments - Natural Environment)
14	In terms of the ESR report's recommendation that the creek bed and banks be fortified with rip rap or river stone within the area of the crossing please ensure that all treatments consider fish passage and replicate natural habitat features to the extent possible in terms of stone sizing, stone placement and shape. That being said, flow appropriate round stone from a reputable quarry is recommended. In	Mitigation measures will be reviewed during the detailed design stage. CVC's recommendations have been included in Section 9.2 (Design Commitments - Natural Environment)

ITEM	CVC COMMENTS (January 11, 2022)	GM BLUEPLAN RESPONSE (February 10, 2022)
	terms of bank treatment, bioengineering methodologies and technologies are recommended which maximize the incorporation of native vegetation material (shrubs, plugs, and live stakes) to be placed in lifts within the softest methods possible.	
15	As recommended in the ESR report, monitoring requirements should also be fleshed out at detailed design.	Monitoring requirements will be developed during the detailed design stage.

Sandra Anastasio - GM BluePlan

From: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Sent: Thursday, February 10, 2022 2:53 PM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; laura.borowiec@peelregion.ca; Lee, Justin
Subject: RE: [External] RE: CVC Comments - Peel Central Mississauga EA Draft ESR Review (CVC File No. EA 20/001)

Hi Sandra,

As we were satisfied with the Draft ESR we will only review the Final ESR to confirm our recommendations have been included as per your response matrix. We will complete our review when the Final ESR is posted starting February 16th.

Thank you,
Jakub

I'm working remotely. The best way to reach me is by email, mobile phone or Microsoft Teams.

Jakub Kilis | RPP

Senior Manager, Infrastructure and Regulations | Credit Valley Conservation

905-670-1615 ext 287 | M: 647-212-6554

jakub.kilis@cvc.ca | cvc.ca



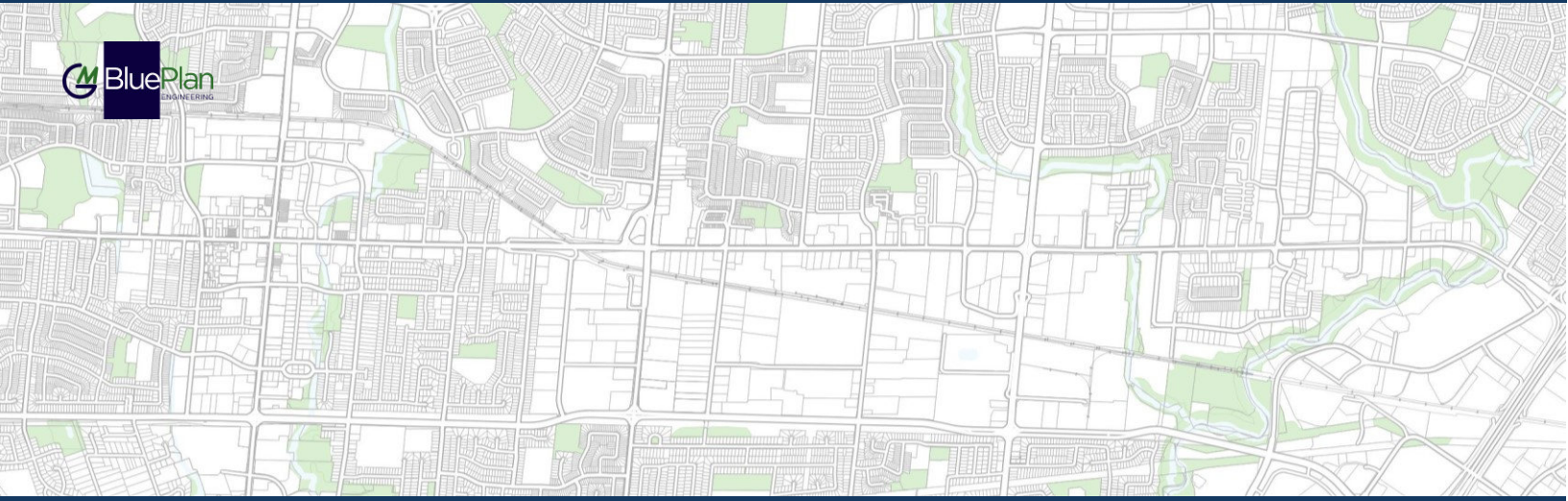
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From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Thursday, February 10, 2022 2:08 PM
To: Kilis, Jakub <Jakub.Kilis@cvc.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; laura.borowiec@peelregion.ca; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: [External] RE: CVC Comments - Peel Central Mississauga EA Draft ESR Review (CVC File No. EA 20/001)

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Hi Jakub,

Thank you for providing your team's comments on the Central Mississauga ESR. Our team has considered your comments and updated the report accordingly. Please find attached our comment responses.



REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Conservation Authority Consultation

Toronto and Region Conservation Authority (TRCA)

Sandra Anastasio - GM BluePlan

From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Monday, August 26, 2019 10:30 AM
To: Chris Campbell - GM BluePlan
Cc: Sandra Anastasio - GM BluePlan
Subject: FW: CFN 61697 - Wastewater Capacity Improvements in Central Mississauga - TRCA Response to Notice of Commencement - August 21, 2019
Attachments: CFN 61697- Wastewater Capacity Improvements in Central Mississauga - TRCA Response to Notice of Commencement - August 21, 2019.pdf

Hi Chris,

Please see [response to the Notice of Commencement from TRCA](#).

Thanks,

Laura Borowiec, P.Eng.

Project Manager
Infrastructure Planning & Studies, Growth, Groundwater & Source Water Protection
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
905-791-7800 Ext. 7681



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From: Zack Carlan <Zack.Carlan@trca.ca>
Sent: August 21, 2019 1:49 PM
To: Borowiec, Laura <laura.borowiec@peelregion.ca>
Cc: Victoria Kramkowski <Victoria.Kramkowski@trca.ca>; Sharon Lingertat <Sharon.Lingertat@trca.ca>; Jennifer Stephens <Jennifer.Stephens@trca.ca>
Subject: CFN 61697 - Wastewater Capacity Improvements in Central Mississauga - TRCA Response to Notice of Commencement - August 21, 2019

Hello Laura,

Please see attached for TRCA response to the Notice of Commencement for the above-noted project.

Please let me know if you have any questions. Thank you,

Zack Carlan

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 5310

E: zack.carlan@trca.ca

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



Date: August 21, 2019

CFN 61697
CFN 61697

BY E-MAIL ONLY (laura.borowiec@peelregion.ca)

Laura Borowiec
Project Manager
10 Peel Centre Drive, 4th Floor , Suite A
Brampton, ON
L6T 4B9

Dear Ms. Borowiec,

**Re: Response to Notice of Commencement
Wastewater Capacity Improvements in Central Mississauga (south of Highway 403, north of QEW, west of Etobicoke Creek, east of Mavis Road)
Class Environmental Assessment – Schedule C
Etobicoke Creek Watershed; City of Mississauga; Regional Municipality of Peel**

Toronto and Region Conservation Authority (TRCA) staff received the Notice of Commencement for the above noted Environmental Assessment (EA) on May 31, 2019. As a recognized commenting agency under the Ontario Environmental Assessment Act, TRCA has interests in this project.

PROJECT OVERVIEW

It is our understanding that this undertaking involves development of alternative planning and design solutions for addressing future capacity needs and existing wastewater infrastructure in Central Mississauga. The current sewer system does not have available capacity for the increased growth.

Please note that a portion of the study area appears to be located within Credit Valley Conservation Authority (CVC) jurisdiction.

There are a number of ongoing projects in this area that must be coordinated with TRCA and other municipalities/agencies. These include but are not limited to the following:

- **City of Mississauga - Dundas Connects**
- **City of Mississauga - Loreland Maintenance Yard**
- **Sherway Trail Project**

TRCA COMMENTING ROLES

As detailed in TRCA's 2014 [The Living City Policies](#) (LCP), TRCA has a number of commenting roles relative to its review of this environmental assessment, including:

1. Regulatory Authority
2. Delegated Provincial Interests
3. Public Commenting Body
4. Resources Management Agency
5. Service Provider
6. Land Owner

These are further detailed in **Appendix A: TRCA Commenting Roles**.

TRCA AREAS OF INTEREST

In relation to this application, TRCA staff has identified a number of areas of interest within the study area related to these various commenting roles, including:

1. TRCA Program and Policy Areas
 - a. Natural System Programs and Policies
 - b. Sustainability Programs and Policies
2. Provincial Program Areas
3. Federal Program Areas

Further details are provided in **Appendix B: TRCA Areas of Interest**.

In relation to these areas of interest, please be advised that TRCA has select digital data available through an open data platform on the [TRCA website](#) that should be used to supplement the existing conditions analysis in the development of the environmental assessment. Upon request, TRCA can provide additional data for areas of interest not available on the web. Please contact the undersigned as needed.

ASSESSMENT OF ALTERNATIVES

In developing, evaluating and selecting alternatives, staff require the LCP policies be considered. TRCA staff recommends the preferred alternative meets the policies of Section 7. In particular, impacts to and opportunities for the following should be addressed:

1. Flooding, erosion or slope instability
2. Existing landforms, features and functions
3. Aquatic and terrestrial habitat and functions, including connectivity
4. TRCA property and heritage resources
5. Environmental best management practices that support climate change mitigation and adaptation
6. Community and public realm benefits

TRCA requires that the preferred alternative considers avoiding, minimizing, mitigating, and compensating impacts to the ecosystem, and avoid, mitigate or remediate hazards, in that order. In order to fulfil requirements of Ontario Regulation 166/06 at the detailed design stage, staff also requires that the preferred alternative meets LCP policies in Section 8.

In order to ensure TRCA concerns are addressed early in the review process, it is recommended that the TRCA planner be contacted when key project milestones are reached, as detailed in **Appendix C: Recommended Contact Points**. Please contact the planner to discuss the appropriate time for a site visit; please ensure the TRCA planner is included in the technical advisory committee; and please add Victoria Kramkowski (Victoria.Kramkowski@trca.ca), Government and Community Relations Specialist to the project mailing list to receive any public information updates.

SUBMISSION REQUIREMENTS

As this project proceeds through the various stages of the environmental assessment process, please ensure the following is provided to TRCA for review and comment at the appropriate time:

Digital Submissions

1. All technical advisory committee meeting agendas, as well as draft and final meeting minutes
2. All TRCA technical meeting agendas, as well as draft and final meeting minutes
3. Draft public information boards, prior to public review
4. Notices of public meetings, including final display material and handouts
5. Draft Phase 1 and 2 Report, if applicable

6. Draft technical reports and associated materials, including a covering letter that outlines the project purpose and lists the reports enclosed for review
7. Draft evaluation criteria and matrices, including a summary that details how the criteria and weighting (if applicable) were established
8. Draft EA document, including a covering letter that outlines how previous TRCA comments have been addressed
9. Final EA document, including a covering letter that outlines how previous TRCA comments have been addressed
10. Ensure all materials are submitted in PDF format, with drawings pre-scaled to print on 11"x17" pages.
11. Materials submitted through e-mail must be less than 25 MB.
12. Materials submitted through a file transfer protocol (FTP) site must be posted a minimum of two weeks.

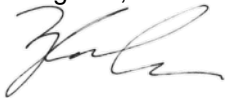
Paper Copies

1. One (1) copy of draft technical reports and associated materials, including a covering letter that outlines the project purpose and lists the reports enclosed for review
2. One (1) copy of draft evaluation criteria and matrices, including a summary that details how the criteria and weighting (if applicable) were established
3. Three (3) copies of the draft EA document, including a covering letter that outlines how previous TRCA comments have been addressed
4. One (1) hard copy of the Final EA document, including a covering letter that outlines how previous TRCA comments have been addressed

Please note, prior to submitting the technical reports and materials, as well as appendices related to the draft and final EA documents, it is recommended that the project manager be contacted so that review requirements can be scoped to the TRCA areas of interest.

Should you have any questions, please contact me at extension 5310 or at zack.carlan@trca.ca.

Regards,



Zack Carlan
Planner, Infrastructure Planning and Permits
Development and Engineering Services

Attached: Appendix A: TRCA Commenting Roles
 Appendix B: TRCA Areas of Interest
 Appendix C: Recommended TRCA Contact Points

BY E-MAIL

cc: Applicant: Laura Borowiec (laura.borowiec@peelregion.ca)
 TRCA: Victoria Kramkowski, Government and Community Relations Specialist
 Jennifer Stephens, Manager, Source Water Protection
 Sharon Lingertat, Senior Planner, Infrastructure Planning and Permits

APPENDIX A: TRCA COMMENTING ROLES

TRCA COMMENTING ROLES	
Public Commenting Body	
Environmental Assessment Act	Pursuant to the federal and provincial Environmental Assessment (EA) Acts , conservation authorities are a commenting body. Conservation authorities are also responsible for comments made under environmental assessment (EA) exemption regulations, and the Ontario and National Energy boards. TRCA reviews and comments on environmental assessment that occur within TRCA’s jurisdiction under these various forms of legislation.
Delegated Provincial Interests	
Hazard Lands	As outlined in the Conservation Ontario/ Ministry of Natural Resources and Forestry/ Ministry of Municipal Affairs and Housing Memorandum of Understanding on CA Delegated Responsibilities, CAs have been delegated the responsibility of representing the provincial interest on natural hazards encompassed by Section 3.1 of the PPS 2014.
Conservation Authorities Act	
Regulatory Authority	
Ontario Regulation 166/06, Development, Interference with Wetlands and Alterations to Shorelines and Watercourses	<p>In accordance with Ontario Regulation 166/06 (Development, Interference with Wetlands and Alterations to Shorelines and Watercourses), a permit is required from the TRCA prior to any development (e.g. construction) if, in the opinion of TRCA, the control of flooding, erosion, dynamic beaches or pollution or the conservation of land may be affected. The Regulation Limit defines the greater of the natural hazards associated with Ontario Regulation 166/06 (listed below).</p> <p>NOTE: The Regulation Limit provides a geographical screening tool for determining if Ontario Regulation 166/06 will apply to a given proposal. Through site assessment or other investigation, it may be determined that areas outside of the defined Regulation Limit require permits under Ontario Regulation 166/06. In these instances, it is the text of the regulation that will prevail; modifications to the regulation line may be required.</p> <p>Any development within the Regulation Limit must comply with the applicable sections of The Living City Policies (2014).</p>
Resources Management Agency	
TRCA Programs	<p>In accordance with Section 20 and 21 of the Conservation Authorities Act, CAs are local watershed-based natural resource management agencies that develop programs that reflect local resource management needs within their jurisdiction. TRCA has developed programs and policies related to our role as a resource management agency that include, but are not limited to, watershed plans, fisheries management plans, land management plans, ecosystem restoration programs, and The Living City Policy (2014), which are approved by the TRCA Board.</p> <p>Please confirm that the preferred alternative design for this project addresses TRCA concerns related to its program areas. These will be further defined through the EA review process.</p>
Land Owner	

TRCA Property	TRCA is a major landowner in the GTA, owning close to 18,000 hectares of land. TRCA comments provided as a landowner are separate from comments provided under a technical, advisory or regulatory role.
Acquisition and Easement	<p>If TRCA property land transfer or easement is required for the implementation of the preferred alternative, permission and approval from TRCA and the Minister of Natural Resources and Forestry are required. The design must demonstrate that TRCA program and policy objectives are met. Formal approval typically takes 12 to 18 months from the completion of the EA document.</p> <p>Please contact Nadia Wells, Property Agent at nwells@trca.ca for additional information.</p>
Permission to Enter	<p>If TRCA property access is required for the purpose of completing technical studies associated with this project, a Permission To Enter (PTE) must be obtained from TRCA Property staff prior to entry.</p> <p>Please contact Nadia Wells, Property Agent at nwells@trca.ca for additional information.</p>
Archaeological Resources	<p>An archaeological review by TRCA's archaeological staff must precede any disturbance to TRCA property. If an archaeological assessment is required, scheduling will be subject to weather, seasonal programs and other field work and are at additional cost to the proponent.</p> <p>Please contact Alistair Jolly, Archaeologist at ajolly@trca.ca for additional information.</p>
Service Provider	
Service Agreements and Memorandum of Understandings	<p>Service Level Agreements: TRCA has service level agreements to provide EA Review services to various partners within specific service delivery timelines. Fees are charged as per agreement stipulations; review fees are not charged for individual files.</p> <p>Memorandum of Understandings: The provision of planning advisory services to municipalities is implemented through a Memorandum of Understandings (MOU) with participating municipalities or as part of a CA's approved program activity. In this respect, the CA is essentially acting as a technical advisor to municipalities. The agreements cover the CA's areas of technical expertise such as water management, natural hazards, and natural heritage.</p>
Restoration Opportunities	<p>TRCA requires that the preferred alternative considers avoiding, minimizing, mitigating, and compensating impacts to ecosystems in that order. In areas where impacts are unavoidable, mitigation or compensation will be required. It is recommended that the costs associated with these impacts be factored into decisions made during the EA.</p> <p>TRCA has identified opportunities for habitat restoration and enhancement on TRCA property and some privately owned lands, targeted to improve natural form and function based on goals in the watershed strategies. Should ecosystem restoration or compensation be required for this project, TRCA may be able to provide both restoration opportunities and restoration field services on a project specific basis. This will be further discussed through the EA review process.</p>

<p>Community and Public Realm Benefits</p>	<p>TRCA understands that the purpose of providing project-based community benefits is to provide measurable economic benefits to the local community, and that the purpose of providing public realm benefits is to support local opportunities for social and environmental improvements.</p> <p>As part of the 2013-2022 TRCA Strategic Plan (updated), TRCA has identified the need to achieve measurable positive impacts on the health of our watersheds and has developed a number of programs that actively engage with local communities to support a green, local economy. These programs include but are not limited to, Sustainable Neighbourhood Retrofit Action Plans, TRCA Conservation Land Care Program, TRCA Trails Program, TRCA Community Transformation Program and Partners in Project Green.</p> <p>It is recommended that commitment be made to work with TRCA and other partners to develop a Community and Public Realm Benefits Strategy for this project. This will be further discussed through the EA review process.</p>
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APPENDIX B: TRCA AREAS OF INTEREST

TRCA PROGRAM AND POLICY AREAS	
<i>Note: Additional program and policy information may be available at www.trca.ca, or by request.</i>	
Natural System Programs and Policies	
Systems Approach	<p>TRCA follows a systems approach in which the natural features and water resources are considered in relation to each other and the broader landscape in which they occur. The systems approach recognizes the role that linkages and connectivity within the natural system has in supporting ecological and hydrologic processes and functions that are vital to maintaining a healthy and robust natural system that is resilient against the impacts of urbanization and climate change.</p> <p>TRCA may require an assessment of the existing systems, together with an evaluation as to how the proposal may impact the systems.</p>
Aquatic Systems, Species and Habitat	<p>The aquatic system includes watercourses, wetlands, and flora and fauna species. Aquatic species and habitat should be assessed based on their conservation status according to sensitivity to disturbance and specialized ecological needs, as well as rarity.</p> <p>TRCA has prepared watershed plans or strategies, as well as fisheries management plans for some watersheds. The proposal must prevent negative impacts to the aquatic system, and as such, TRCA may require an assessment of the existing aquatic system, an evaluation as to how the proposal will meet the objectives articulated in the watershed plan or strategy, and/or an evaluation as to how the proposal will meet the objectives of the fisheries management plan.</p>
Terrestrial System, Species and Habitat	<p>The terrestrial system includes landscape features, vegetation communities, and flora and fauna species. Terrestrial species and habitat should be assessed based on their conservation status according to sensitivity to disturbance and specialized ecological needs, as well as rarity.</p> <p>TRCA has identified the need to improve both the quality and quantity of terrestrial habitat. TRCA's Terrestrial Natural Heritage System Strategy sets measurable targets for attaining a healthier natural system by creating an expanded and targeted land base. It includes strategic directions for stewardship and securement of the land base, a land use policy framework to help achieve the target system, and other implementation mechanisms.</p> <p>TRCA may require an assessment of the existing terrestrial species and habitat, together with an evaluation as to how the proposal will meet the objectives articulated in the watershed plan or terrestrial natural heritage strategy, as well as prevent negative impacts to the terrestrial system.</p>
Environmentally Significant Areas	<p>Environmentally Significant Areas have been identified by TRCA based on a set of ecological criteria regarding the function, significance and rarity of the features or species found in the area. These areas should be identified in the assessment of the terrestrial species and habitat, as noted above.</p>
Groundwater Systems	
Aquifers and Hydrogeological Features and Functions	<p>Groundwater systems include aquifers and their functional connections to surface water. The extraction and discharge of groundwater has the potential to negatively impact surrounding natural features and their functions. Even small amounts of groundwater extraction may reduce contributions to groundwater dependent features such as wetlands, springs, or fish spawning habitat. In addition, the discharge of groundwater must be controlled to avoid impacts to</p>

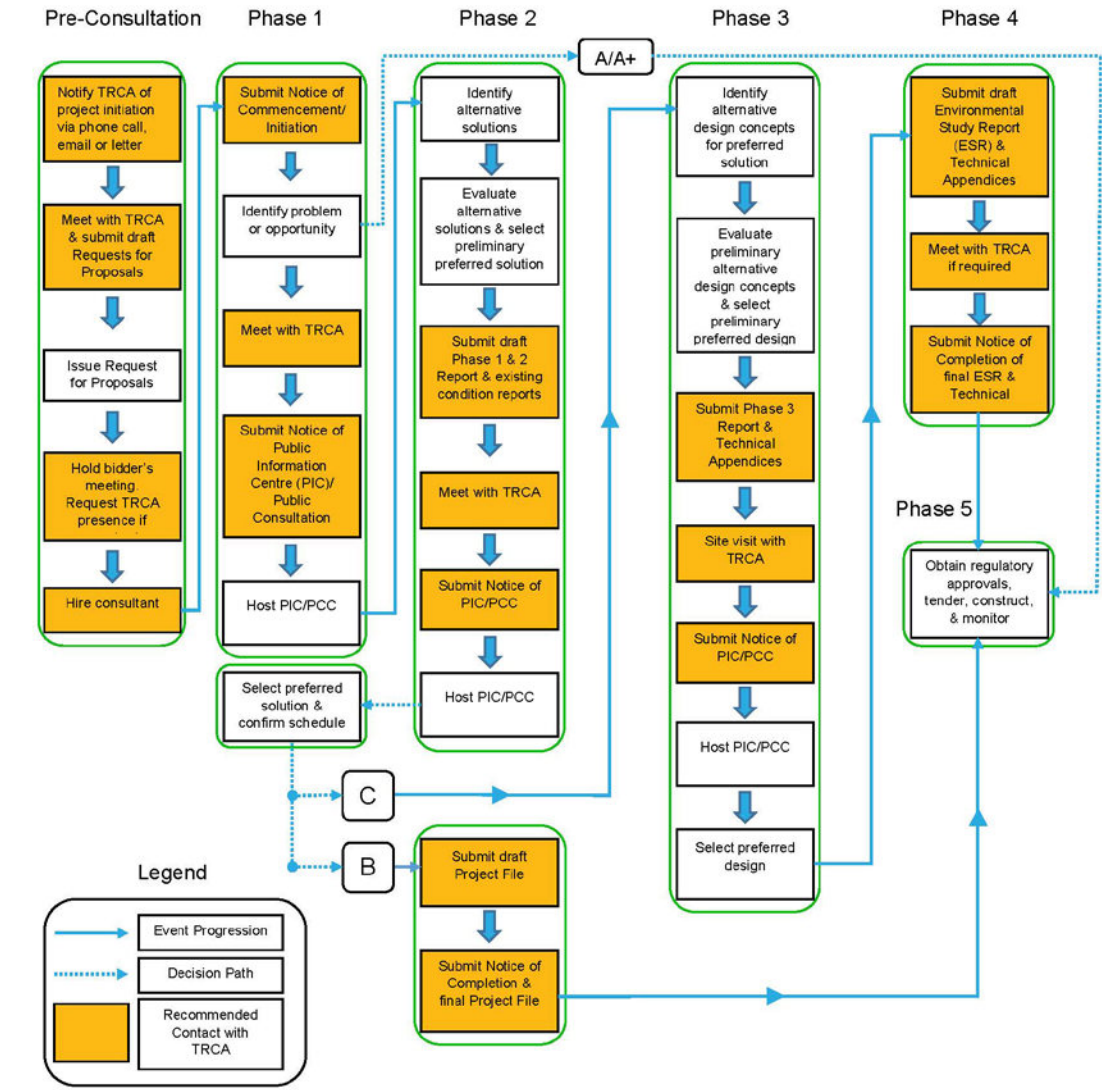
	<p>watercourses and fish habitat from temperature, erosion and sedimentation, as well other water quantity and quality issues.</p> <p>TRCA may require geotechnical or hydrogeological investigations to confirm dewatering and discharge requirements, and to identify appropriate mitigation measures with respect to potential impacts to natural features and functions.</p>
Surface Water Systems	
Watercourses	<p>Typically, watercourses are associated with aquatic species, and direct or indirect habitat. Any alteration or interference to a watercourse (e.g., straightening, diverting, realigning, altering baseflow) has the potential to impact fish communities, but may also affect the Regulatory Flood Plain, erosion or other natural channel processes.</p> <p>TRCA may require an environmental study or site confirmation of watercourse locations.</p>
Meander Belt	<p>Channel migration has a significant impact on infrastructure, structures and property located near river systems. Determining channel stability is important to ensure that damage from erosion, down-cutting or other natural channel processes is avoided.</p> <p>TRCA may require a meander belt delineation study or fluvial geomorphology analysis to confirm that any development does not conflict with natural channel processes.</p>
Regulatory Flood Plain	<p>The Regulatory Flood Plain is the approved standard used in a particular watershed to define the limit of the flood plain for regulatory purposes. Within TRCA's jurisdiction, the Regulatory Flood Plain is based on the greater of the regional storm, Hurricane Hazel, and the 100-year flood. TRCA's framework for Flood Plain Management is the LCP.</p> <p>TRCA may require a flood study or hydraulic update to confirm that there will be no impacts to the storage or conveyance of flood waters.</p>
Wetlands	<p>Wetlands are sensitive natural habitats that play an important role in numerous physical, chemical and biological processes, including storm water control, natural habitat and water quality improvement. Most wetlands are designated by the Ministry of Natural Resources and Forestry as Provincially Significant or Locally Significant. Other wetlands have also been identified on a site specific basis by TRCA.</p> <p>All wetlands are regulated under Ontario Regulation 166/06. TRCA may require an environmental study or site confirmation of wetland locations.</p>
Storm Water Management, including Green Infrastructure	<p>Stormwater management is integral to the health of streams, rivers, lakes, fisheries and terrestrial habitats, and source water protection is integral for managing the quality and quantity of drinking water at its source.</p> <p>TRCA requires all development, infrastructure and site alteration meet the criteria in the TRCA 2012 Stormwater Management Criteria document for water quantity, water quality, erosion control, discharge water temperature, and water balance for groundwater recharge and natural features.</p> <p>Green Infrastructure techniques, including Low Impact Development (LID) measures should be used to address issues related to stormwater management, as well as maximize ecosystem services and mitigate the impacts of urbanization and climate change.</p>

	For further information, please refer to the TRCA Introduction to Green Infrastructure , the Sustainable Technologies Evaluation Program (STEP) - Urban Runoff Green Infrastructure and the STEP 2010 Low Impact Development Stormwater Management Planning and Design Guide .
Special Policy Areas	Developed areas have historically existed within a flood plain may be designated as Special Policy Areas (SPA) as permitted under the 2014 Provincial Policy Statement . Policies for development and land use in these areas address the social, economic and cultural factors that support the continuation of the community. SPAs allow development and land uses that would not otherwise be permitted by the provincial policies on flood plain management.
Flood or Erosion Control Structures	There is an existing flood or erosion control structure (e.g., dam, weir, berm, channel) located in the project vicinity that must be considered as the project proceeds. A meeting with TRCA should be arranged as early as possible.
Valley Slopes	
Crest of Slope	Valley and stream corridors are dynamic systems that provide important natural functions and linkages for the physical, chemical and biological processes of wildlife, watercourses, and other natural features. The crest of slope identifies the physical limit of these corridors; however, due to ecological sensitivities, development restrictions typically extend beyond the actual crest of slope. TRCA may require the determination of the long term stable crest of slope (or toe of slope) through a staking with TRCA staff, as well as a geotechnical assessment.
Sustainability Programs and Policies	
Climate Change	In October 2017, MECP released a guideline under the Ontario environmental assessment legislation directing that all projects going through the EA process, including IEAs, Class EAs, and those governed by EA regulations, must consider impacts to and opportunities for climate change mitigation and adaptation, and consider the vulnerability of projects to climate change. It was further recommended that applicable policies in the 2014 Provincial Policy Statement be addressed, including but not limited to encouraging green infrastructure and strengthening stormwater management requirements; requiring consideration of energy conservation and efficiency, reduced greenhouse gas emissions and climate change adaptation (e.g. tree cover); and consideration of the potential impacts of climate change that may increase the risk associated with natural hazards (e.g. flooding due to severe weather). The climate change section of the EA should include recommendations for Green Infrastructure, Sustainable Energy, Sustainable Buildings and Sustainable Construction Practices, as further described below. It is recommended that a completed Sustainable Technologies for Green Building, Green Infrastructure, and Sustainable Energy Design in Evaluation Matrix be included in the EA document.
Sustainable Infrastructure & Buildings	The sustainability of infrastructure and buildings determined through a variety of factors through planning, design, construction, operation, maintenance and decommissioning. Sustainability factors include the efficiency environmental

	<p>impact of project inputs through all phases, including energy, water and natural resources/materials.</p> <p>The type and amount of energy used in construction and operation is one of the most significant factors affecting climate change, the ecological footprint of our communities, and ultimately our ability to create sustainable communities. As supported by the LCP, TRCA advocates that proponents consider the use of appropriate sustainable energy networking (e.g., community energy project), technologies (e.g., solar lights, etc.) and practices (e.g., selection of materials, transportation of materials, energy efficiency, passive solar energy) in their projects.</p> <p>Various sustainability best management practices include sustainable procurement, reusing resources, using recyclable/recycled resources, protecting natural systems, eliminating toxics, applying life-cycle costing and ensuring a high quality of construction. If designed appropriately, sustainable infrastructure or buildings generally cost less to operate, are more resilient and adaptable as compared to standard designs and are an aesthetic and environmental benefit to the community.</p> <p>TRCA recommends that a commitment to sustainable infrastructure or buildings through all project phases be made in the EA document. Please consider using a rating system such as Envision or LEED to guide the EA and detailed design.</p>
Sustainable Communities	<p>The TRCA Living City vision is based on a foundation that includes Sustainable Communities. Planning for community sustainability requires the identification of the complex and inter-related social, economic and ecological systems involved; TRCA supports a systems approach to developing integrative and adaptive solutions to improve community sustainability. Key socio-economic systems include: transportation facilities (including trails, sidewalks & multi-use pathways), community greenspaces (including parks), urban forests, cultural heritage resources, and the local economy. For transportation projects, a context sensitive design/solutions framework are encouraged.</p>
Archaeological and Heritage Resources	<p>TRCA watershed strategies include recommendations for the management of archaeological and heritage resources in accordance with Ministry of Culture and Municipal standards. The project should aim to preserve, protect and celebrate archaeological and heritage resources where possible.</p>
PROVINCIAL PROGRAM AREAS	
Greenbelt Plan	<p>The Greenbelt consists of more than 809,000 hectares of environmentally sensitive land, urban river valleys and agricultural land in the Golden Horseshoe. The Greenbelt Plan identifies limits to urbanization to provide permanent protection to the agricultural land base and the ecological features and functions occurring within this landscape. Contact the Ministry of Municipal Affairs and Housing for more details.</p> <p>Please confirm that the preferred alternative design for this project conforms with Section 4.2 Infrastructure Policies and Section 6 Urban River Valley Policies of the Greenbelt Plan.</p>
Clean Water Act and Credit Valley - Toronto & Region - Central Lake Ontario (CTC) Source Protection Plan	<p>The Clean Water Act ensures communities protect their drinking water supplies through prevention by developing collaborative, watershed-based source protection plans that are locally driven and based on science.</p> <p>Please be advised that the subject property appears to fall within the Intake Protection Zone (IPZ), Highly Vulnerable Aquifers (HVA), vulnerable areas under the Credit Valley - Toronto and Region - Central Lake Ontario Source Protection</p>

	<p>Plan (CTC SPP). Please confirm that the preferred alternative design for this project conforms with the CTC SPP. Please also consult with the Risk Management Official as copied on this letter.</p> <p>Please note that in accordance with Ontario Regulation 166/06, permits from TRCA may be required for mitigation solutions that are designed to ensure conformity with the CTC SPP.</p>
<p>PROVINCIAL PROGRAM AREAS</p>	
<p>Please contact the Ministry of Natural Resources and Forestry to confirm if there are program interests related to this project for:</p> <ul style="list-style-type: none"> • Areas of Natural and Scientific Interest (ANSI) • Provincially Significant Wetlands (PSW) • Provincially Endangered Species under the Species at Risk Act (SARA) <p>Please be advised that this list is not inclusive and the onus is on the proponent and its consultants to consult with other provincial agencies, as required, to ensure that requirements of their respective legislation is met.</p>	
<p>FEDERAL PROGRAM AREAS</p>	
<p>Please contact the relevant federal agency to confirm if there are issues related to:</p> <ul style="list-style-type: none"> • Asian Long-horned Beetle Regulated Area • Federally Endangered Species under the Endangered Species Act (ESA) • The Fisheries Act <p>Please be advised that this list is not inclusive and the onus is on the proponent and its consultants to consult with other provincial agencies, as required, to ensure that requirements of their respective legislation is met.</p>	

Appendix C: Recommended TRCA Contact Points in the Municipal Class EA Process



Sandra Anastasio - GM BluePlan

From: Jennifer Stephens <Jennifer.Stephens@trca.ca>
Sent: Monday, August 26, 2019 1:15 PM
To: Borowiec, Laura
Cc: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: RE: Wastewater Capacity Improvements in Central Mississauga - Circulation List

Thank you, Laura.

All the Best,

Jennifer

Jennifer Stephens, M. Sc. Bio.
Manager
Source Water Protection | Policy Planning

T: (416) 661-6600 Ext. 5633

C: (416) 892-9634

E: jennifer.stephens@trca.ca

A: 101 Exchange Avenue, Vaughan, ON, L4K 5R6 | trca.ca



From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Monday, August 26, 2019 1:15 PM
To: Jennifer Stephens <Jennifer.Stephens@trca.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: Wastewater Capacity Improvements in Central Mississauga - Circulation List

Hi Jennifer,

Thank you for your interest in this Class EA study. Of course, we will add you to our mailing list.

Regards,

Laura Borowiec, P.Eng.
Project Manager
Infrastructure Planning & Studies, Growth, Groundwater & Source Water Protection
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
905-791-7800 Ext. 7681



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From: Jennifer Stephens <Jennifer.Stephens@trca.ca>
Sent: August 26, 2019 1:09 PM
To: Borowiec, Laura <laura.borowiec@peelregion.ca>
Subject: Wastewater Capacity Improvements in Central Mississauga - Circulation List

Good Afternoon Laura:

Would you please add me to the circulation list for the Schedule 'C' Class Environmental Assessment - Wastewater Capacity Improvements in Central Mississauga?

Thank you.

Jennifer

Jennifer Stephens, M. Sc. Bio.
Manager
Source Water Protection | Policy Planning

T: (416) 661-6600 Ext. 5633
C: (416) 892-9634
E: jennifer.stephens@trca.ca
A: 101 Exchange Avenue, Vaughan, ON, L4K 5R6 | trca.ca





Royal Centre 3300 Hwy 7 Suite 402
Vaughan ON L4K 4M3
P: 416.703.0667 F: 416.703.2501
www.gmblueplan.ca

Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018
Meeting:	TRCA Consultation Meeting	
Date:	Tuesday, January 28, 2020	Time: 2:00 pm – 3:00 pm
Location:	TRCA Office, 101 Exchange Avenue, Vaughan, ON L4K 5R6	
Attendees:		
<u>TRCA</u> Zack Carlan	<u>Region of Peel</u> Laura Borowiec	<u>GM BluePlan</u> Chris Campbell Mark Zamojc Sandra Anastasio

Agenda Items

1. Introductions
2. Meeting Objective
3. Project History and Overview
4. Baseline Environmental Inventory
5. Evaluation Framework
6. Alternative Alignments
7. Preliminary Preferred Solution
8. TRCA Considerations
9. Project Schedule and Next Steps

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

TRCA Consultation
January 28, 2020

AGENDA

1. Introductions
2. Meeting Objective
3. Project History and Overview
4. Baseline Environmental Inventory
5. Evaluation Framework
6. Alternative Alignments
7. Preliminary Preferred Solution
8. TRCA Considerations
9. Project Schedule and Next Steps

Meeting Objectives

- Overview of the EA evaluation process
- Discuss preliminary preferred solution
- Discuss TRCA considerations

PROJECT HISTORY

Peel East to West Diversion EA (2014)

East to West diversion EA allows for the:

- Avoidance of East Trunk twinning (at Etobicoke Creek)
- Relief of downstream constraints
- Utilize capacity at both WWTP's



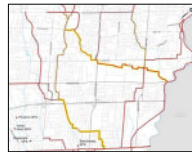
Peel Water & Wastewater Master Plan (Ongoing)

Identify preferred wastewater servicing strategies to support existing servicing needs and projected growth, including Central Mississauga



Peel Central Mississauga EA (Ongoing)

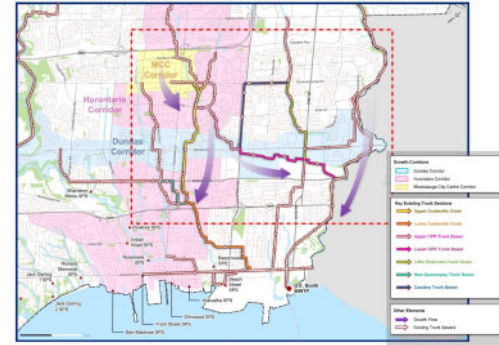
Investigate all servicing alternatives to improve capacity in key trunk sewers within the Central Mississauga study area.



STUDY PROBLEM / OPPORTUNITY STATEMENT

Study Problem / Opportunity Statement

"Increase the conveyance capacity of key trunk sewers to service future growth and ensure alignment with the Region's long-term plan for providing wastewater services within the Mississauga City Centre, Hurontario Corridor and Dundas Corridor areas."



GENERAL ASSUMPTIONS

- The depth of the proposed sewers requires the use of tunneling as opposed to open cut method
 - Sewer depth along Queensway ranging from 6m to 20m
 - Sewer depth driven by connection points
 - Sewer depth will avoid impacts to natural features
 - Each access shaft will require a staging area where construction equipment can be stored and excavated material can be brought to the surface to be hauled from the site in trucks
 - Staging areas will measure approximately 50 m x 50 m and will be fenced off. Once tunneling is completed, the staging area will be restored to its original condition or better
- The only surface works involved with tunnel construction are entrance/exit shafts located between tunnel drive lengths
 - Approximately 15 potential shaft locations for proposed solution (2 within TRCA jurisdiction)

PROJECT OVERVIEW

- The following studies have been completed for this study:
 - ✓ Natural Features Assessment – Study Area & Short List
 - ✓ Cultural Heritage Assessment – Study Area
 - ✓ Archaeological Assessment – Study Area & Short List
 - ✓ Hydrogeological Study – Study Area

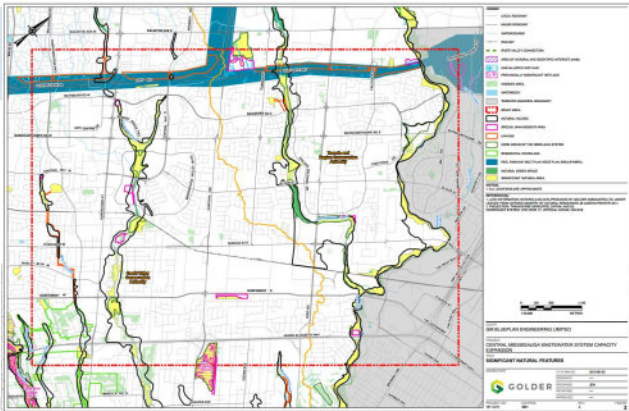


BASELINE ENVIRONMENTAL INVENTORY



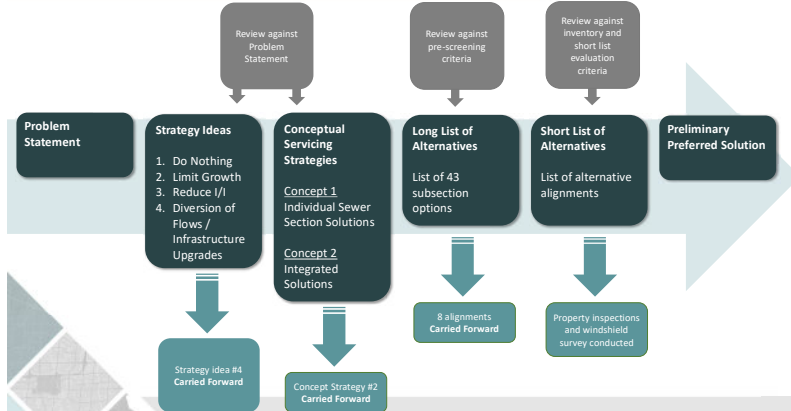
Key TRCA features include:

1. Etobicoke Creek
2. Little Etobicoke Creek



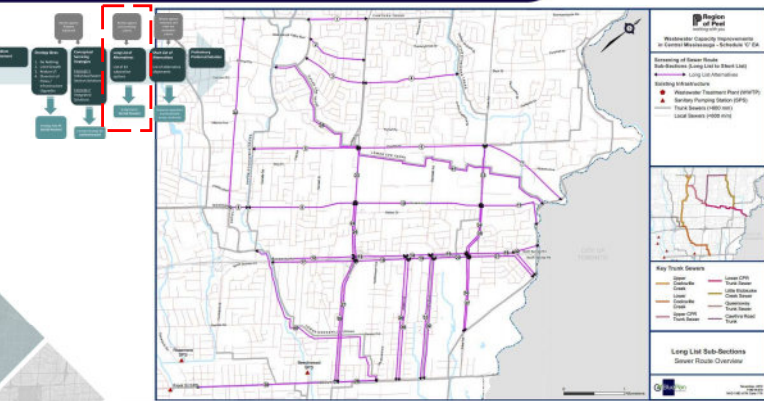
GM BluePlan
January 28, 2020

EVALUATION FRAMEWORK – PHASE 1 & 2



GM BluePlan
January 28, 2020

LONG LIST OF ALTERNATIVES



GM BluePlan
January 28, 2020

LONG LIST SCREENING CRITERIA



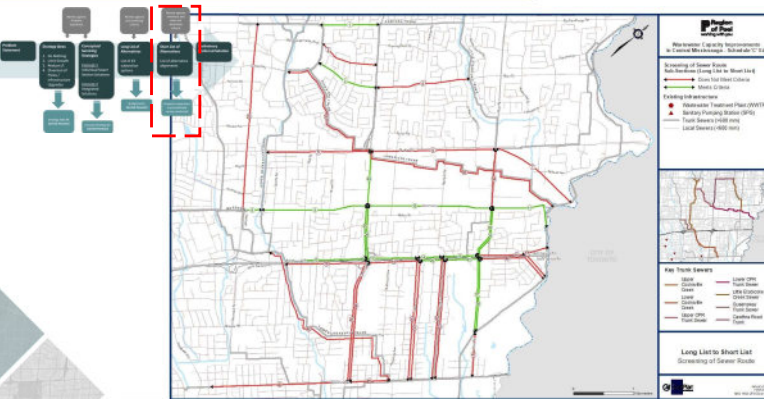
The following screening criteria was used to evaluate the long list of alternatives

1. Meets Problem Statement
2. Ability to service by gravity
3. Does not trigger additional capital upgrades
4. Maximize flexibility in flow conveyance and storage
5. Maximize use of existing / planned infrastructure
6. Preliminary constructability review; avoidance of unnecessary/unreasonable construction challenges:
 - o Maximize routes along road right-of-way (ROW) to minimize environmental / social impacts, where possible
 - o Avoidance of routes with extensive road ROW constraints (e.g. infrastructure, road width, local residential roads), where possible



GM BluePlan
January 28, 2020

SHORT LIST OF ALTERNATIVES



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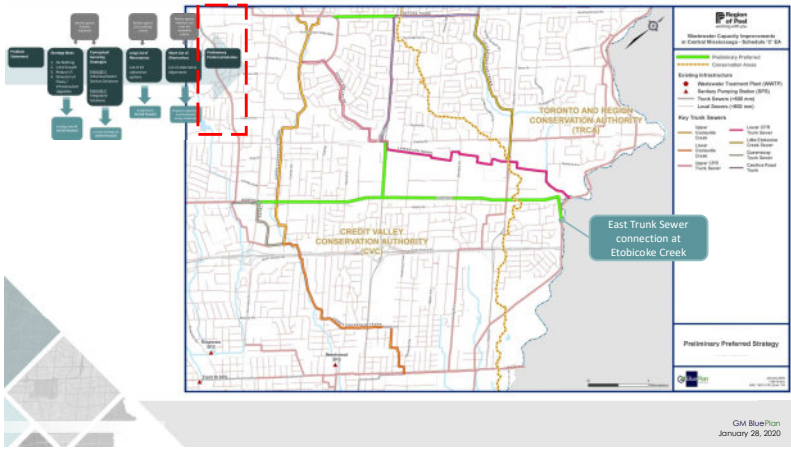
SHORT LIST EVALUATION CRITERIA OVERVIEW



TECHNICAL CONSTRUCTIBILITY	TECHNICAL FLEXIBILITY	ENVIRONMENTAL	SOCIO-ECONOMIC AND CULTURAL	FINANCIAL	LEGAL / JURISDICTIONAL
<ul style="list-style-type: none"> Ease of construction Accommodates existing infrastructure Conflicts or opportunities with recent / planned improvements Minimize environmental and infrastructure crossings 	<ul style="list-style-type: none"> Technical viability through ability to meet existing and future servicing needs Ease of access to maintain system operations and operational security Maximize flow flexibility 	<ul style="list-style-type: none"> Environmental crossing consideration Proximity to environmental features, protected areas, and species at risk Potential effects on water resources, air quality and natural features Geology, hydrogeology, contamination considerations 	<ul style="list-style-type: none"> Community and traffic considerations Noise, vibration, dust and odour considerations Cultural heritage resources Archaeological resources 	<ul style="list-style-type: none"> Capital costs Operation and maintenance costs Lifecycle cost consideration Consideration of potential financial risk during construction 	<ul style="list-style-type: none"> Land use, land size, availability, and location Permit requirements Ownership, legal and jurisdictional considerations Compliance with applicable planning and special land use policies

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January 28, 2020

PRELIMINARY PREFERRED SOLUTION



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January 28, 2020

QUEENSWAY PROFILE

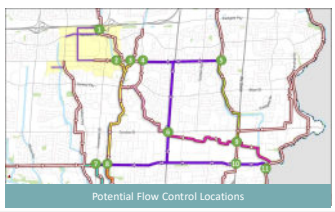


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January 28, 2020

ENVIRONMENTAL BENEFIT



- The preliminary preferred solution will have the following benefits to the environment:
- ✓ Burnhamthorpe extension will relieve flows from Etobicoke Creek
 - ✓ Queensway alignment will relieve flows to Lower Cooksville Creek Trunk Sewer, reducing the risk of sanitary overflows to Cooksville Creek
 - ✓ Queensway alignment allows the option for in-line storage reducing the risk of sanitary overflows to waterways
 - ✓ Preferred solution allows for flow flexibility → optimize gates and controls with the use of Real Time Control (RTC)



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January 28, 2020



Queensway and Etobicoke Creek

GM BluePlan
January 28, 2020



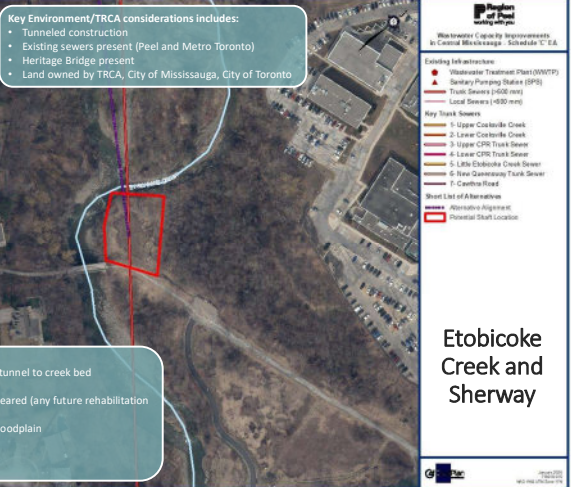
Queensway and Etobicoke Creek

Etobicoke Creek and Sherway

GM BluePlan
January 28, 2020

NEXT STEPS

- PIC #1 to present the preliminary preferred solution
 - Late February (date to be confirmed)
- Additional technical studies will be completed on the preferred solution including:
 - Natural Features
 - Phase 1 ESA
 - Geotechnical
 - Stage 2 Archeological Assessment
- Phase 3: Design Concept Alternatives and Preferred Design Solution
 - Confirm detailed alignment and shaft locations



Key Environment/TRCA considerations includes:

- Tunneled construction
- Existing sewers present (Peel and Metro Toronto)
- Heritage Bridge present
- Land owned by TRCA, City of Mississauga, City of Toronto



Key TRCA Feedback includes:

- Minimum clearance between top of tunnel to creek bed
- Access to site (Sherway Dr.)
- Site appears to have been recently cleared (any future rehabilitation plans for this site?)
- Construction considerations within floodplain
- Tree/vegetation removal
- Staging / construction area
- TRCA permitting

TRCA FEEDBACK





Royal Centre 3300 Hwy 7 Suite 402
 Vaughan ON L4K 4M3
 P: 416.703.0667 F: 416.703.2501
 www.gmblueplan.ca

Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018
Meeting:	TRCA Consultation Meeting	
Date:	Tuesday, January 28, 2020	Time: 2:00 pm – 3:00 pm
Location:	TRCA Office, 101 Exchange Avenue, Vaughan, ON L4K 5R6	
Attendees:		
<u>TRCA</u> Zack Carlan (ZC) Katharine McCarter (KM) Jairo Morelli (JM) Sharon Lingertat (SL)	<u>Region of Peel</u> Laura Borowiec (LB)	<u>GM BluePlan</u> Chris Campbell (CC) Sandra Anastasio (SA)

Item	Actions
<u>1. Project Team</u> 1.1. Laura Borowiec currently the Region's Project Manager, however, there will be a project handoff to Justin Lee in the near future 1.2. Zack Carlan currently TRCA's contact for this study, however, there will be a project handoff to a new TRCA contact <ul style="list-style-type: none"> Zack to provide more information when available 1.3. All study related correspondence to include Justin Lee (Region), Laura Borowiec (Region), Chris Campbell (GM BluePlan) and Sandra Anastasio (GM BluePlan)	1.2. ZC
<u>2. Project History and Overview</u> 2.1. Region of Peel Water and Wastewater Master Plan is scheduled to be filed May 2020 <ul style="list-style-type: none"> TRCA requested draft copy of the Master Plan TRCA will be formally consulted through the EA process The Central Mississauga "Pre-EA" concept strategy will be included in the Master Plan Capital Plan. The Central Mississauga study will refine strategy and projects through the completion of this separate Schedule C EA 	
<u>3. Evaluation Framework</u> 3.1. Discipline specialists have been included in the evaluation process of the preliminary preferred solution including:	

<ul style="list-style-type: none"> • Golder: Natural Environment, Archeology, Cultural Heritage • C & M McNally: Constructability • Colville: Agricultural Screening 	
<p><u>4. Alternative Alignments</u></p> <p>4.1. QEW/Dixie alternative alignments were screened out due to:</p> <ul style="list-style-type: none"> • Conflicts with MTO works on QEW North Service Rd widening and Dixie interchange upgrades • Proximity to residential area • Lack of available/suitable shaft locations • Difficult connection to East Trunk 	
<p><u>5. Preliminary Preferred Solution</u></p> <p>5.1. Based on a comprehensive multiple criteria matrix evaluation of options, the Queensway alignment is the preliminary preferred solution and will work in conjunction with real time controls (RTC) and East to West flow diversion (to the north)</p> <p>5.2. Two connection points along Queensway to pull flow to East Trunk (flows from New Queensway Trunk Sewer and Upper Cooksville Creek Trunk Sewer)</p> <p>5.3 The solution requires connection to the existing East Trunk sewer (at Etobicoke Creek)</p> <p>5.4. Pipe sizing will be determined during Phase 3 of the Class EA process</p> <p>5.5. Through this solution, Peel is also considering opportunities for storage</p> <ul style="list-style-type: none"> • RTC can support these objectives 	
<p><u>6. TRCA Considerations</u></p> <p>6.1. Minimum cover guidelines for TRCA is 2.5m from bottom of creek (to be confirmed by TRCA)</p> <ul style="list-style-type: none"> • Show bottom of the creek in pipe profiles <p>6.2. GMBP to confirm approximate clearance of creek</p> <p>6.3. Queensway and Etobicoke Creek Location</p> <ul style="list-style-type: none"> • North site on Queensway outside of TRCA jurisdiction is good in principle for shaft location but TRCA would like to confirm through field reconnaissance • North and east of northern shaft location – property ownership is pending TRCA to provide update <p>6.4. Etobicoke Creek and Sherway Location</p> <ul style="list-style-type: none"> • Staff are concerned with the proposed connection point immediately parallel to/ underneath a section of watercourse that is highly dynamic, and the resulting risk of future impact and exposure of the sewer at this location. Other alternative connection points and alignments within an area that is less dynamic should be reviewed to reduce the risk of future exposure. GMBP will continue to work closely with TRCA staff as alternative options are evaluated to ensure that staff are supportive of the preferred solution. • Based on the selection of the preliminary preferred alignment, there is a need to connect to the existing East Trunk sewer within the Etobicoke Creek valley • Area previously cleared due to repair caused by ruptured sewer • Opportunities to work with TRCA on Sherway Trail upgrades <ul style="list-style-type: none"> ○ Zack to provide more information on trail project • TRCA identified the following regarding the location of the connection point: 	<p>6.1. ZC</p> <p>6.2. GMBP</p> <p>6.3. TRCA</p> <p>6.4. ZC</p>

<ul style="list-style-type: none"> ○ Connection point is a confluence ○ Surrounding lands are owned by TRCA, City of Toronto and City of Mississauga ○ Area is monitored for erosion/hazards ○ Etobicoke Creek is a dynamic system – flow path continuously changing ○ TRCA raised the issue of potential scouring caused by changing meander of creek and the potential to expose manhole in the future. ○ GMBP to ensure a thorough review of feasible alternatives for connection to the existing sewer within the creek valley. <ul style="list-style-type: none"> ● Peel Mattawa bridge EA – Laura to provide more information on this study <p>6.5. Historical mapping, available on the City of Mississauga website, was referenced during the meeting. Historical aerial imagery from this website shows how the creek as meandered towards an oxbow profile over the years. The provided presentation figures did not accurately depict the existing conditions of the watercourse (slide 18-19).</p> <p>6.6. Additional studies/documentation recommended/required:</p> <ul style="list-style-type: none"> ● Detailed rationale for preferred solution and shaft locations, including connection points and size of staging areas ● Mitigation Measures at Etobicoke Creek connection point (i.e. how to avoid hardened waterways) ● Fluvial Geomorphology Study to determine the water movement at Etobicoke Creek (TRCA recommended) ● Site Visit (TRACA recommended) ● Site Visit will need to be arranged with TRCA, Region and GMBP once shaft locations are finalized ● TRCA does its own archaeological assessment on its land but it may not be required 	<p>6.4. LB</p> <p>6.5. ZC</p>
<p><u>7. Project Schedule and Next Steps</u></p> <p>7.1. PIC #1 is planned for March – date will be confirmed through Notice of PIC #1</p>	

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Tuesday, February 25, 2020 8:41 AM
To: 'Zack Carlan'
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Chris Campbell - GM BluePlan; 'Lee, Justin'
Subject: Peel Central Miss EA - Meeting Minutes
Attachments: 200128-MIN-TRCA Consultation Meeting_DRAFT.pdf

Hi Zack,

I have attached the draft Central Mississauga Class EA meeting minutes. Please review and notify me if there are any errors or omissions to the minutes before finalizing – once you have reviewed, I can package the meeting materials together and send the package to you for distribution to attendees.

Let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Friday, February 07, 2020 8:00 AM
To: 'Zack Carlan'
Subject: RE: Region of Peel Central Mississauga EA - TRCA Consultation

Hi Zack,

We will send you the meeting minutes early next week for your review. Once you have reviewed, I can finalize and compile the meeting package (agenda, slides and minutes) for distribution to all attendees.

Thank you and have a great weekend!
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Zack Carlan <Zack.Carlan@trca.ca>
Sent: Thursday, February 06, 2020 11:01 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: Region of Peel Central Mississauga EA - TRCA Consultation

Hi Sandra,

Thank you for meeting with us last week. I just wanted to check in and see if there were any meeting minutes to be shared for this meeting. If so, please provide and we can have a look and provide any edits if needed.

Thank you,
Zack Carlan
Planner
Infrastructure Planning and Permits | Development and Engineering Services

T: [416\) 661-6600](tel:(416)661-6600) ext. 5310
E: zack.carlan@trca.ca
A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](https://www.trca.ca/101-Exchange-Avenue-Vaughan-ON-L4K-5R6) | trca.ca



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Tuesday, January 28, 2020 7:42 AM
To: Zack Carlan <Zack.Carlan@trca.ca>
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Region of Peel Central Mississauga EA - TRCA Consultation

Hi Zack,

Please find attached the finalized version of the presentation for our meeting this afternoon.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Sandra Anastasio - GM BluePlan
Sent: Thursday, January 23, 2020 5:35 PM
To: 'Zack Carlan' <Zack.Carlan@trca.ca>
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Region of Peel Central Mississauga EA - TRCA Consultation

Hi Zack,

Please find in the link below the draft meeting materials for our meeting next week on the Region of Peel Wastewater Capacity Improvements in Central Mississauga EA Study.

https://sendafile.gmblueplan.ca/uploads/01-23-20_173339_200128-SLIDES-TRCA_Consultation_Meeting_DRAFT.pdf

Please let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Zack Carlan <Zack.Carlan@trca.ca>
Sent: Wednesday, January 22, 2020 3:47 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: Region of Peel Central Mississauga EA - TRCA Consultation

Thank you Sandra. Sounds good and no rush, just wanted to check in.

Zack Carlan
Planner
Infrastructure Planning and Permits | Development and Engineering Services

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 5310
E: zack.carlan@trca.ca
A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](https://www.trca.ca) | [trca.ca](https://www.trca.ca)



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, January 22, 2020 11:45 AM
To: Zack Carlan <Zack.Carlan@trca.ca>
Subject: RE: Region of Peel Central Mississauga EA - TRCA Consultation

Hi Zack,

We are currently working on finalizing the meeting materials and should have them to you by tomorrow for distribution.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Zack Carlan <Zack.Carlan@trca.ca>
Sent: Wednesday, January 22, 2020 11:40 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: Region of Peel Central Mississauga EA - TRCA Consultation

Hi Sandra,

I just wanted to follow up before our meeting for next week. Some technical staff expressed interest in reviewing some meeting materials prior to the meeting – mainly because I believe one of them will have to delegate to another staff member for the meeting.

Do you know if these materials could be provided or when they will be provided for TRCA staff to have a look?

Thanks very much!

Zack Carlan

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [\(416\) 661-6600](tel:4166616600) ext. 5310

E: zack.carlan@trca.ca

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



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Tuesday, January 7, 2020 10:37 AM

To: Zack Carlan <Zack.Carlan@trca.ca>

Subject: RE: Region of Peel Central Mississauga EA - TRCA Consultation

Hi Zack,

No problem, an hour should be sufficient amount of time for our meeting.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Zack Carlan <Zack.Carlan@trca.ca>

Sent: Tuesday, January 07, 2020 10:36 AM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Subject: RE: Region of Peel Central Mississauga EA - TRCA Consultation

Hi Sandra,

I only have the room and staff booked for an hour but can look into if it is possible to extend the time for both, if needed?

Thanks,

Zack Carlan

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 5310

E: zack.carlan@trca.ca

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



-----Original Appointment-----

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Tuesday, January 7, 2020 9:27 AM

To: Zack Carlan; Chris Campbell - GM BluePlan; Mark Zamojc - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'

Subject: Region of Peel Central Mississauga EA - TRCA Consultation

When: Tuesday, January 28, 2020 2:00 PM-3:30 PM (UTC-05:00) Eastern Time (US & Canada).

Where: TRCA Office, 101 Exchange Avenue, Vaughan, ON, L4K 5R6, Don Room

Hi Zack,

As discussed, the objective of this meeting is to provide a full understanding of the project, present the alternatives evaluation and preferred solution and obtain feedback. We will send meeting materials for TRCA team review closer to the date.

Thank you,
Sandra

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Sandra Anastasio - GM BluePlan

From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Monday, January 06, 2020 9:52 AM
To: Zack Carlan; Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan
Subject: RE: Pre-PIC Consultation Meeting Request

Good morning Zach,

Happy New Year! I hope you enjoyed your holiday break.

This is to confirm that I am holding Jan 28th @ 2pm at your 101 Exchange office. Once you confirm your staff availability, we will follow up with a formal meeting invite.

Thanks!

Laura Borowiec, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
905-791-7800 Ext. 7681



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From: Zack Carlan <Zack.Carlan@trca.ca>
Sent: January 3, 2020 9:24 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>
Subject: RE: Pre-PIC Consultation Meeting Request

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

Hi Sandra,

Hope you had a nice holiday, and happy new year.

I currently have a 2pm time held at our 101 exchange ave office on January 28th for this meeting. Currently waiting for one staff member to confirm they are available when they are back next week, at which time I will re-confirm with you.

Let me know if this works for you and your staff.

Thanks,

Zack Carlan

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [\(416\) 661-6600](tel:4166616600) ext. 5310

E: zack.carlan@trca.ca

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



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Monday, December 16, 2019 12:06 PM

To: Zack Carlan <Zack.Carlan@trca.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Sharon Lingertat <Sharon.Lingertat@trca.ca>

Subject: Pre-PIC Consultation Meeting Request

Hello Zack,

The Region of Peel retained GM BluePlan to undertake a Class Environmental Assessment study for Wastewater Capacity Improvements in Central Mississauga. This Class EA is investigating alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system. The Notice of Commencement was published in May 2019. We anticipate the first Public Information Centre to be completed early Winter 2020 where we will present the preliminary preferred solution.

Prior to the PIC, the Region of Peel and GM BluePlan would like to coordinate a meeting with key TRCA staff to provide a full understanding of the project, present the alternatives evaluation and preferred solution and obtain feedback. Please let me know your team's availability for the suggested dates below and I can forward a meeting request for the best date/time.

- Monday, January 27, 2020
- Tuesday, January 28, 2020
- Wednesday, January 29, 2020

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Thursday, March 19, 2020 1:17 PM
To: Annette Lister
Cc: Sandra Anastasio - GM BluePlan
Subject: RE: CFN 61697 Wastewater Improvements EA - TRCA Response to PIC#1

Hi Annette,

Thank you for the email and interest in our project. PDF copies of the PIC No. 1 display boards can be downloaded at our project's website noted below:

<http://www.peelregion.ca/pw/water/envIRON-assess/scheduled-c-class-environmental-assessment.asp>

We will continue to circulate notifications to TRCA and will keep you informed of our progress with the Central Mississauga Wastewater Capacity Improvements EA.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Annette Lister <Annette.Lister@trca.ca>
Sent: March 19, 2020 11:18 AM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Cc: sandra.anastasio@gmblueplan.ca
Subject: CFN 61697 Wastewater Improvements EA - TRCA Response to PIC#1

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

Hello Justin,

Please see the attached letter for TRCA staff response to the Notice of Public Information Centre No. 1.

Should you have any questions, please do not hesitate to contact me.

Thank you,
Annette

Annette Lister, M.A.Sc.

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 6443

E: annette.lister@trca.ca

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



March 19, 2020

CFN 61697

BY E-MAIL ONLY (justin.lee@peelregion.ca)

Justin Lee
Project Manager
10 Peel Centre Drive
Brampton, ON L6T 4B9

Dear Mr. Lee:

**Re: Notice of Public Information Centre No. 1
Wastewater Capacity Improvements in Central Mississauga
Municipal Class Environmental Assessment – Schedule C
Etobicoke Creek Watershed; City of Mississauga; Regional Municipality of Peel**

Toronto and Region Conservation Authority (TRCA) staff received notice of the upcoming Public Information Centre (PIC) scheduled for March 10, 2020, on February 28, 2020.

Further to TRCA correspondence dated August 21, 2019, staff has expressed interest in this project. While staff will not be attending the meeting, please forward one copy of any handouts or display materials from this meeting for our files.

Should you have any questions or require any additional information please contact me at extension 6443 or at annette.lister@trca.ca.

Regards,



Annette Lister
Planner, Infrastructure Planning and Permits
Development and Engineering Services

BY E-MAIL

cc:
Consultant: Sandra Anastasio, GM BluePlan Engineering Limited (sandra.anastasio@gmblueplan.ca)

Sandra Anastasio - GM BluePlan

From: Annette Lister <Annette.Lister@trca.ca>
Sent: Wednesday, April 15, 2020 3:59 PM
To: Sandra Anastasio - GM BluePlan; Zack Carlan
Cc: laura.borowiec@peelregion.ca; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan
Subject: RE: Peel Central Miss EA - Meeting Minutes

Thanks Sandra. The final meeting minutes have been downloaded and saved.

Annette Lister, M.A.Sc.

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [\(416\) 661-6600](tel:4166616600) ext. 6443

E: annette.lister@trca.ca

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



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Monday, April 13, 2020 11:45 AM
To: Zack Carlan <Zack.Carlan@trca.ca>
Cc: laura.borowiec@peelregion.ca; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Annette Lister <Annette.Lister@trca.ca>
Subject: RE: Peel Central Miss EA - Meeting Minutes

Hi Zack,

Thank you for letting me know. I will update our study contact list accordingly and send all future correspondence to Annette.

Regards,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Zack Carlan <Zack.Carlan@trca.ca>
Sent: Monday, April 13, 2020 11:42 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: laura.borowiec@peelregion.ca; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Annette Lister <Annette.Lister@trca.ca>
Subject: RE: Peel Central Miss EA - Meeting Minutes

Hi Sandra,

Thank you for this. Please note that Annette will be taking this file moving forward.

Thanks,
Zack Carlan
Planner
Infrastructure Planning and Permits | Development and Engineering Services

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 5310
E: zack.carlan@trca.ca
A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](https://www.trca.ca) | [trca.ca](https://www.trca.ca)



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Monday, April 13, 2020 11:40 AM
To: Zack Carlan <Zack.Carlan@trca.ca>
Cc: laura.borowiec@peelregion.ca; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Peel Central Miss EA - Meeting Minutes

Hi Zack,

Please find the final meeting package including Annette's comments.

Please save the file to the appropriate project folder. This file will only be available for 21 days.

Filename: [04-13-20_1137_200128-PKG-TRCA_Consultation_Meeting.pdf](#)

Size: 6.6 MB

Description: 200128 Meeting Package

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

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t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Annette Lister <Annette.Lister@trca.ca>
Sent: Monday, March 09, 2020 2:33 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: laura.borowiec@peelregion.ca; justin.lee@peelregion.ca
Subject: RE: Peel Central Miss EA - Meeting Minutes

Hello Sandra,

Thank you for passing the meeting minutes over to our staff for review. Please include the following in the minutes:

- 6.4 Staff are concerned with the proposed connection point immediately parallel to/ underneath a section of watercourse that is highly dynamic, and the resulting risk of future impact and exposure of the sewer at this location. Other alternative connection points and alignments within an area that is less dynamic should be reviewed to reduce the risk of future exposure. Please continue to work closely with TRCA staff as alternative options are evaluated to ensure that staff are supportive of the preferred solution.
- 6.5 The historical mapping that was referenced during the meeting is from the City of Mississauga website. Historical aerial imagery from this website shows how the creek as meandered towards an oxbow profile over the years. The provided presentation figures did not accurately depict the existing conditions of the watercourse (Slide 18 and 19).

Thank you and please let me know if you would like to discuss further

Annette Lister, M.A.Sc.

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 6443

E: annette.lister@trca.ca

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



From: Zack Carlan <Zack.Carlan@trca.ca>
Sent: Tuesday, February 25, 2020 10:06 AM
To: Jairo Morelli <Jairo.Morelli@trca.ca>; Katharine McCarter <Katharine.McCarter@trca.ca>; Sharon Lingertat <Sharon.Lingertat@trca.ca>
Cc: Annette Lister <Annette.Lister@trca.ca>
Subject: FW: Peel Central Miss EA - Meeting Minutes

Hi all,

Please provide any edits to the minutes from our meeting a couple weeks ago. Please provide all your edits to Annette as she is taking this file and will respond back to the Region.

I'll inform the Region that Annette will be taking this file and responding to this request.

Thanks everyone.

Zack Carlan

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [\(416\) 661-6600](tel:4166616600) ext. 5310

E: zack.carlan@trca.ca

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



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Tuesday, February 25, 2020 8:41 AM

To: Zack Carlan <Zack.Carlan@trca.ca>

Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>

Subject: Peel Central Miss EA - Meeting Minutes

Hi Zack,

I have attached the draft Central Mississauga Class EA meeting minutes. Please review and notify me if there are any errors or omissions to the minutes before finalizing – once you have reviewed, I can package the meeting materials together and send the package to you for distribution to attendees.

Let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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Sandra Anastasio - GM BluePlan

From: Annette Lister <Annette.Lister@trca.ca>
Sent: Wednesday, May 27, 2020 9:53 AM
To: Sandra Anastasio - GM BluePlan
Subject: Re: Peel Central Miss EA - Call

Thank you Sandra. Please send a Skype invite for the Tuesday.

Sent from [Outlook Mobile](#)

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, May 27, 2020 8:48:52 AM
To: Annette Lister <Annette.Lister@trca.ca>
Subject: RE: Peel Central Miss EA - Call

Hi Annette,

Thank you for letting me know. Here are some new suggestions:

- Tuesday, June 2 between 9:00am and 10:30am
- Wednesday, June 3 between 10:00am and 10:30am

Justin Lee, the Region PM, will be on the call. Does Skype work for you?

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Annette Lister <Annette.Lister@trca.ca>
Sent: Tuesday, May 26, 2020 2:56 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Peel Central Miss EA - Call

Hi Sandra,

Unfortunately, I am not available during any of the proposed dates and times. I am available next week from Monday to Thursday before 10:30am, or all day on Friday.

Will the Region PM be on the call as well? Typically a Peel Region representative is present during all our calls/meetings for their projects.

Please advise, thank you.
Annette

Annette Lister, M.A.Sc.

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [416\) 661-6600](tel:4166616600) ext. 6443

E: annette.lister@trca.ca

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



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Tuesday, May 26, 2020 1:49 PM

To: Annette Lister <Annette.Lister@trca.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>

Subject: Peel Central Miss EA - Call

Hi Annette,

Hope you are doing well.

Chris and I would like to set up a call with you for the Region of Peel Wastewater Capacity Improvements in Central Mississauga EA. For this call, we do not need to meet with the broader TRCA team, rather the goal of this meeting is to provide you with a brief project update and provide some details on what we have been working on since our last meeting. We do intend on coordinating a meeting with the broader TRCA team, however, this will probably be later in the summer.

I've provided some options below – I believe we will need approximately 30 min time slot. Please let me know when you are available and I can setup the invite. Which platform would you prefer: Skype or GoToMeeting?

- Thursday, May 28 between 11:30am and 12:00pm
- Thursday, May 28 between 3:00pm and 4:00pm
- Monday, June 1 between 11:00am and 12:00pm
- Monday, June 1 between 1:00pm and 4:00pm

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT

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www.gmblueplan.ca

Meeting Agenda

Project:	Wastewater Capacity Improvements in Central Mississauga	Project No.:	718018
Meeting:	TRCA Update Meeting		
Date:	Tuesday, June 2, 2020	Time:	9:00 am – 9:30 am
Location:	Skype		
Attendees:			
<u>TRCA</u> Annette Lister	<u>Region of Peel</u> Justin Lee Laura Borowiec	<u>GM BluePlan</u> Chris Campbell Sandra Anastasio	

Agenda Items

1. Introductions
2. Meeting Objective
3. Project Update & Schedule
4. Preferred Conceptual Alignment & Shaft Site Alternatives
5. Discipline Study Review
6. Etobicoke Creek Connection Point
7. TRCA Consultation & Next Steps

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

TRCA Update Meeting
June 2, 2020

AGENDA

1. Introductions
2. Meeting Objective
3. Project Update & Schedule
4. Preferred Conceptual Alignment & Shaft Site Alternatives
5. Discipline Study Review
6. Etobicoke Creek Connection Point
7. TRCA Consultation & Next Steps

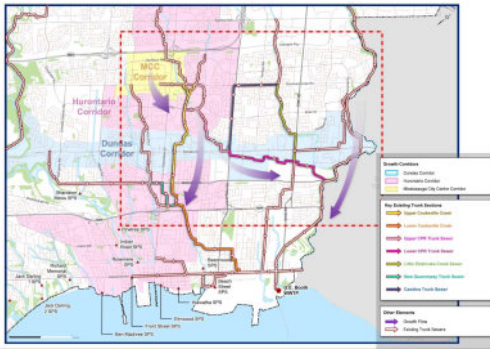
Meeting Objectives

- Provide an update on the project to date
- Discuss the Etobicoke Creek connection point

STUDY AREA

Study Problem / Opportunity Statement

"Increase the conveyance capacity of key trunk sewers to service future growth and ensure alignment with the Region's long-term plan for providing wastewater services within the Mississauga City Centre, Hurontario Corridor and Dundas Corridor areas."



PROJECT UPDATE & SCHEDULE

Project Schedule Timeline



We are currently in Phase 3 of the EA process to identify and evaluate the alternative design concepts for the preferred solution alignments and shaft sites.

PREFERRED CONCEPTUAL ALIGNMENT & SHAFT LOCATION ALTERNATIVES

- Key Trunk Sewers**
- 1 - Upper Godwin Creek Trunk Sewer
 - 2 - Lower Godwin Creek Trunk Sewer
 - 3 - Upper CFB Trunk Sewer
 - 4 - Lower CFB Trunk Sewer
 - 5 - Upper Etobicoke Creek Trunk Sewer
 - 6 - Lower Etobicoke Creek Trunk Sewer
 - 7 - Dundas Road Trunk Sewer (under construction / planned)
- Wastewater Sewer**
- Trunk Sewer (>600mm)
 - Local Sewer (<600mm)
- Preferred Alignment**
- Preferred Alignments
- Shaft Locations**
- Potential Shaft Location
 - Key Sewer Connection Point



DISCIPLINE STUDY REVIEW

Natural Environment

- Completed:**
- Natural Environment Report (Desktop)
 - Natural Environment Report (Short List)
 - Bat Habitat Assessment
 - Amphibian Survey

- To Be Completed:**
- Hydraulic and Geomorphic Hazard Assessment
 - Ecological Land Classification / Botanical Inventory
 - Breeding Bird Survey
 - Fish Habitat Assessment and Community Inventory
 - Benthic Invertebrate Community Survey
 - General Wildlife and Habitat Assessment

Archaeology

- Completed:**
- Stage 1 Archaeological Assessment
- To Be Completed:**
- Stage 2 Archaeological Assessment

Cultural Heritage

- Completed:**
- Stage One Cultural Heritage Screening
- To Be Completed:**
- HIA or CHER may be required at select sites

Hydrogeology & Contamination

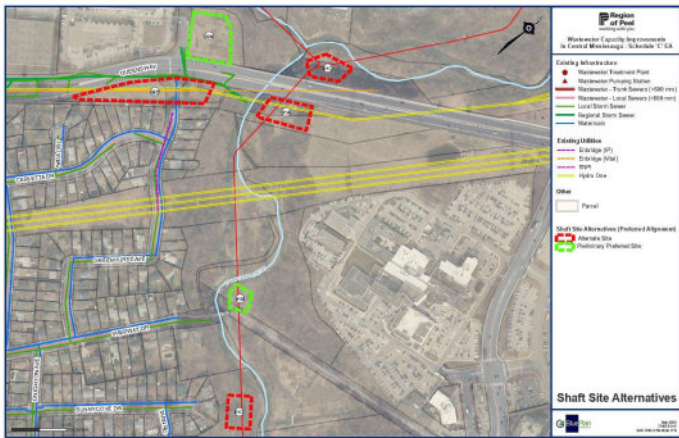
- Completed:**
- Hydrogeological Report (Desktop)
- To Be Completed:**
- Phase 1 ESA & ERIS Reports
 - Baseline Hydrogeological Report

Geotechnical

- To Be Completed:**
- Geotechnical Report (Desktop)

- Additional Studies To Be Completed:**
- Tree Inventory
 - Traffic Impact Assessment
 - Agricultural Impact Assessment (if required)

ETOBICOKE CREEK CONNECTION POINT



GM BluePlan
June 2, 2020

ETOBICOKE CREEK CONNECTION POINT



GM BluePlan
June 2, 2020

TRCA CONSULTATION & NEXT STEPS



- Additional technical studies will be completed on the preferred solution including:
 - Utilities and Infrastructure Review
 - Natural Features
 - Phase 1 ESA
 - Geotechnical
 - Stage 2 Archeological Assessment
- Phase 3: Design Concept Alternatives and Preferred Design Solution
 - Confirm detailed alignment and shaft locations
- Pre-PIC #2 Meeting with TRCA
 - Meet with the broader TRCA team (virtually)
 - Discuss the detailed alignment and shaft sites prior to going to the public
- PIC #2 to present the preliminary preferred design concept
 - Fall 2020

GM BluePlan
June 2, 2020



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 www.gmblueplan.ca

Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018
Meeting:	TRCA Update Meeting	
Date:	Tuesday, June 2, 2020	Time: 9:00 am – 9:30 am
Location:	Skype Meeting	
Attendees:		
<u>TRCA</u> Annette Lister (AL)	<u>Region of Peel</u> Justin Lee (JL) Steven Oldford (SO)	<u>GM BluePlan</u> Chris Campbell (CC) Sandra Anastasio (SA)

Item	Actions
<p><u>1. Contact Leads</u></p> <p>1.1 Justin Lee - Region of Peel Project Manager 1.2 Chris Campbell - Consultant Project Manager (GM BluePlan) 1.3 Sandra Anastasio - Consultant Technical Support (GM BluePlan) 1.4 Annette Lister - Project Coordinator at TRCA</p>	
<p><u>2. Natural Environment Investigations</u></p> <p>2.1 Golder Natural Environment Technical Studies:</p> <ul style="list-style-type: none"> Completed the Natural Environment Report for Desktop and Short List of Alternatives Completed various natural feature investigations at the Etobicoke Creek location including bat habitat assessment and amphibian survey Will complete additional wildlife and habitat investigations at this location to complete the site inventory <p>2.2 In addition, Golder will begin the Hydraulic and Geomorphic Hazard Assessment shortly to investigate the dynamic features of the creek, to determine potential impacts and provide potential mitigation options during and after construction.</p>	
<p><u>3. Etobicoke Creek Site Evaluation</u></p> <p>3.1 Considerations in the evaluation at Site 1 alternatives include but not limited to:</p> <ul style="list-style-type: none"> Minimum depth/slope of new sanitary sewer Connection depth of existing sanitary sewer Crossing depth of new sanitary sewer and environmental features including creek bed and pipe cover Natural area impacts / tree removal requirements 	



<ul style="list-style-type: none"> • Accessibility • Construction methodology • Construction level of risk <p>3.2 Site 1B is currently the preliminary preferred location, however GMBP are undertaking further investigations and technical review of all viable alternatives.</p> <ul style="list-style-type: none"> • TRCA stated their continued concern related to potential scouring impact at this site • TRCA would like to see the full evaluation and result of studies 	
<p><u>4. Next Steps</u></p> <p>4.1 GMBP to send Hydraulic and Geomorphic Hazard Assessment once completed (approximate completion date: end of July 2020)</p> <p>4.2 GMBP to send any natural environment technical reports to TRCA prior to public filing</p> <p>4.3 GMBP and Region to coordinate a pre-PIC #2 meeting with the broader TRCA team to further discuss the Etobicoke Creek connection alternatives (most likely a virtual meeting)</p> <p>4.4 PIC #2 is scheduled for Fall 2020 – may change depending on COVID-19 protocols later in the year</p>	<p>4.1 GMBP</p> <p>4.2 GMBP</p> <p>4.3 GMBP</p>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Tuesday, November 17, 2020 8:23 AM
To: Caroline Mugo
Cc: Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan
Subject: RE: CFN 61697 - Wastewater Capacity Improvements EA - TRCA Comments to the Hydraulic and Geomorphic Hazard Assessment Draft Report

Hi Caroline,

Thank you for your email and comments.

We will have a look and get back to you with responses. We received the Permits to Enter for the sites in near Etobicoke Creek and should have the remaining studies completed soon. Once the draft reports are complete, we will forward them along to the TRCA for further review.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Caroline Mugo <Caroline.Mugo@trca.ca>
Sent: November 16, 2020 4:12 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Cc: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: CFN 61697 - Wastewater Capacity Improvements EA - TRCA Comments to the Hydraulic and Geomorphic Hazard Assessment Draft Report

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

Hi Justin,

TRCA staff had the opportunity to review the Hydraulic and Fluvial Geomorphic Hazard Assessment Draft report received by staff on September 30, 2020, in support of the proposed sewer alignments to connect it to the existing sanitary sewer that runs within the Etobicoke Creek Valley south of Queensway East in the City of Mississauga. Staff has the following comments to offer:

1. The assessment indicates that the proposed sewer will likely be subject to scour and /or erosive forces over the lifespan of the project. Therefore, further, scour and erosion protection measures will be required, regardless of the chosen alternative.
2. Based on the provided information in the Hydraulic and Fluvial Geomorphic Hazard Assessment Draft report, TRCA staff has no preference and will support the preferred alternative provided it will not exacerbate existing erosion issues, increase the water surface elevation in adjacent properties, or create further detriment to the environment. Staff suggests further exploration of alternative 01E or any other where a deeper sewer connection is achievable.
3. On figure 1, Shaft 02A seems close to a valley slope. Depending on the final location of this shaft, a slope stability and erosion hazard assessment is required to ensure that the proposed shaft is not undermined by erosion hazard in long-term or does not destabilize the valleys. The position of the Long-Term Stable Top of Slope needs to be delineated with a minimum safety factor of 1.50 to define the setback required from the existing top of bank/slope.

Staff is looking forward to reviewing the preferred alternative and the studies/rationale that supports it.

Should you have questions, please contact me.

Thanks,

Caroline Mugo, Ph.D

Planner, Infrastructure Planning and Permits
Development and Engineering Services Division

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 5689

E: caroline.mugo@trca.ca

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



Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Friday, January 15, 2021 10:12 AM
To: Caroline Mugo
Cc: Chris Campbell - GM BluePlan; Lee, Justin; slingertat@trca.ca
Subject: Region of Peel - Central Miss EA Meeting Coordination

Hi Caroline,

The Region of Peel and GM BluePlan would like to setup a 1-hour virtual pre-PIC consultation meeting with your team for the Wastewater Capacity Improvements Class EA. During this meeting, we will review the evaluation process that led to the preliminary preferred solution as well as discuss the alignment along Etobicoke Creek.

I have provided dates and times below. Please let me know your team's availability at your earliest convenience.

- Tuesday, February 16th
 - 10:00 am to 12:00 pm
- Thursday, February 18th
 - 9:00 am to 12:00 pm
 - 2:00 pm to 4:30 pm
- Friday, February 19th
 - 9:00 am to 10:00 am
 - 1:00 pm to 4:30 pm

For your reference, please see a link to the project website below:

<http://www.peelregion.ca/pw/water/envIRON-assess/scheduled-c-class-environmental-assessment.asp>

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Chris Campbell - GM BluePlan
Sent: Friday, February 12, 2021 12:21 PM
To: Suzanne Bevan
Cc: caroline.mugo@trca.ca; Lee, Justin; Sandra Anastasio - GM BluePlan
Subject: Wastewater Capacity Improvements in Central Mississauga

Importance: High

Good Afternoon Suzanne

Further to our earlier correspondence and meetings regarding the on-going Region of Peel Schedule C Class EA Study - Wastewater Capacity Improvements in Central Mississauga we would like to set up a Phase 3 preliminary preferred solution meeting with TRCA prior to presenting to the public at the upcoming PIC #2.

We hope that one of the following dates would be convenient to meet virtually with TRCA for a 1 hour to present findings and to enable input:

Wednesday Feb 24th 10-11 am

Or

Monday March 1 between 1.30 – 4 p.m

We look forward to hearing from you at your earliest convenience.

Thank you,

Chris

Chris Campbell, MTP, MCIP, RPP, MRTPI
Branch Manager, Infrastructure Planning, Partner

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7204 | c: 289.388.7499
chris.campbell@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Tuesday, February 16, 2021 5:28 PM
To: Emma Benko
Cc: Chris Campbell - GM BluePlan; Lee, Justin; Suzanne Bevan
Subject: RE: Region of Peel - Central Miss EA Meeting Coordination

Hi Emma,

Thank you for letting me know. We will update our study contact list and include Suzanne and yourself as key communication contacts.

On Friday, we did send through some updated dates to Suzanne. Would you be able to let me know your team's availability for the following timeslots:

- Wednesday Feb 24th - 10:00 am -11:00 am
- Monday March 1st - 1.30 pm – 4:00 pm

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Emma Benko <emma.benko@trca.ca>
Sent: Tuesday, February 16, 2021 5:17 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Suzanne Bevan <Suzanne.Bevan@trca.ca>
Subject: RE: Region of Peel - Central Miss EA Meeting Coordination

Hi Sandra,

Apologies for the delay on this response, please note TRCA's Infrastructure Planning and Permits division has undergone a restructure and Caroline Mugo no longer reviews projects in Peel Region. Moving forward Senior Planner Suzanne Bevan (cc'd) will be the main project manager on the file however please keep me cc'd on communication. Please let me know if the time slot Thursday February 18th from 10:00 am to 11:00 am will work for your team.

Thank you,

Emma Benko
Planner

T: [\(416\) 661-6600](tel:4166616600) ext. 5648

E: emma.benko@trca.ca

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



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Friday, January 15, 2021 10:12 AM

To: Caroline Mugo <Caroline.Mugo@trca.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Sharon Lingertat <Sharon.Lingertat@trca.ca>

Subject: Region of Peel - Central Miss EA Meeting Coordination

Hi Caroline,

The Region of Peel and GM BluePlan would like to setup a 1-hour virtual pre-PIC consultation meeting with your team for the Wastewater Capacity Improvements Class EA. During this meeting, we will review the evaluation process that led to the preliminary preferred solution as well as discuss the alignment along Etobicoke Creek.

I have provided dates and times below. Please let me know your team's availability at your earliest convenience.

- Tuesday, February 16th
 - 10:00 am to 12:00 pm
- Thursday, February 18th
 - 9:00 am to 12:00 pm
 - 2:00 pm to 4:30 pm
- Friday, February 19th
 - 9:00 am to 10:00 am
 - 1:00 pm to 4:30 pm

For your reference, please see a link to the project website below:

<http://www.peelregion.ca/pw/water/envIRON-ASSess/scheduled-c-class-environmental-assessment.asp>

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
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Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.:	718018																												
Meeting:	TRCA Pre-PIC #2 Consultation Meeting																														
Date:	Monday, March 1, 2021	Time:	1:30 pm – 2:30 pm																												
Location:	Microsoft Teams																														
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Agenda Items

1. Meeting Objectives
2. Class EA Process
3. Supporting Studies
4. Key TRCA Considerations
5. Etobicoke Creek Conceptual Shaft Plan and Profile
6. Project Schedule & Next Steps

Meeting Objectives

1. Update on the Class EA process
2. Outline conceptual sewer alignment and shaft compounds
3. Gain feedback from the TRCA on alignment & shaft locations

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

Pre-PIC #2 Consultation Meeting
March 1, 2021

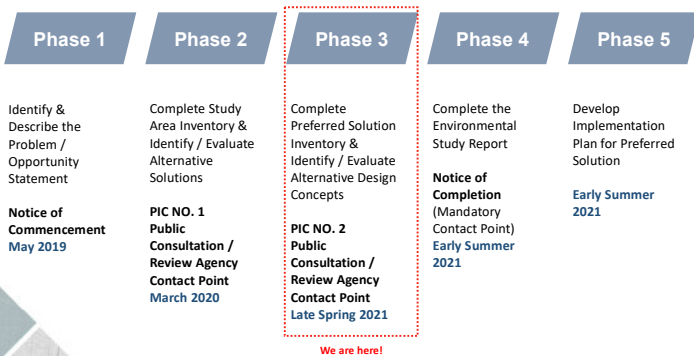
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Meeting Objectives

- Update on the Class EA process
- Outline preliminary preferred sewer alignment and shaft compounds
- Gain feedback from TRCA on alignment & shaft locations

Class EA Process: Schedule



Consultation with TRCA

- The Region & GMBP have consulted with TRCA at key stages in the project:
 1. Study Notices
 - Notice of Commencement
 - Notice of PIC #1
 2. Pre-PIC #1 Consultation Meeting – January 2020
 - Presented the preferred conceptual alignment
 - Presented need to cross Etobicoke Creek to connect to trunk sewer
 3. PIC #1 – March 2020
 4. Project Update Meeting – June 2020
 5. Site Visit for Etobicoke Creek Connection – September 2020
- TRCA provided preliminary feedback at the onset of the project that was considered during the EA process.
- TRCA also provided preliminary feedback on the Hydraulic and Fluvial Geomorphic Hazard Assessment Report submitted for review in September 2020.

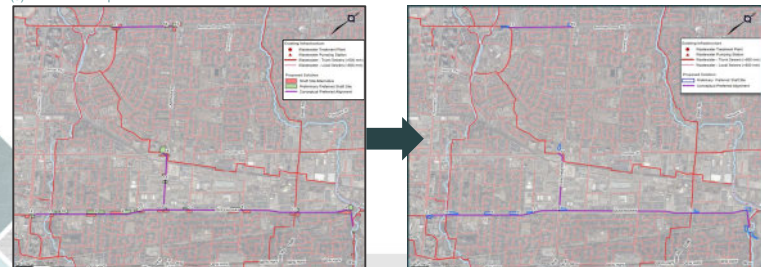
Supporting Studies

Study	Status	
Natural Environment		
Natural Environment (Desktop)	Completed	
Natural Features (Short List of Alternatives)	Completed	
Hydraulic and Geomorphic Hazard Assessment	Completed	✓ Key natural features: • Cooksville Creek • Etobicoke Creek
Natural Features (Preliminary Preferred Design)	Completed	
Preliminary Tree Screening Report (Site 1B)	Completed	
Hydrology		
Desktop Hydrogeological Report	Completed	
Baseline Hydrogeological Report	Completed	
Areas of Potential Environmental Concern		
Phase One ESA	Completed	
Phase Two ESA (Recommended)	To be completed during Detailed Design	
Archaeology		
Stage 1 Archaeological Assessment	Completed	✓ Stage 2 did not identify any areas of archaeological importance ✓ – no further studies required
Stage 2 Archaeological Assessment	Completed	
Cultural Heritage		
Cultural Heritage Screening Report	Completed	✓ Impact assessment completed on identified cultural heritage resources – potential impacts can be fully mitigated – no further studies required
Cultural Heritage Existing Conditions & Preliminary Impact Assessment	Completed	
Traffic		
Traffic Impact Assessment	To be completed	
Geotechnical		
Desktop Geotechnical Investigations	To be completed	

Shaft Site Alternatives Evaluation

Detailed evaluation was completed on the shaft site alternatives. The main factors included:

- (1) Trunk and local sewer connections
- (2) Site availability
- (3) Site access
- (4) Existing municipal infrastructure conflicts
- (5) Existing utility infrastructure conflicts
- (6) Environmental and social impacts
- (7) Legal / jurisdictional impacts
- (8) Stakeholder input

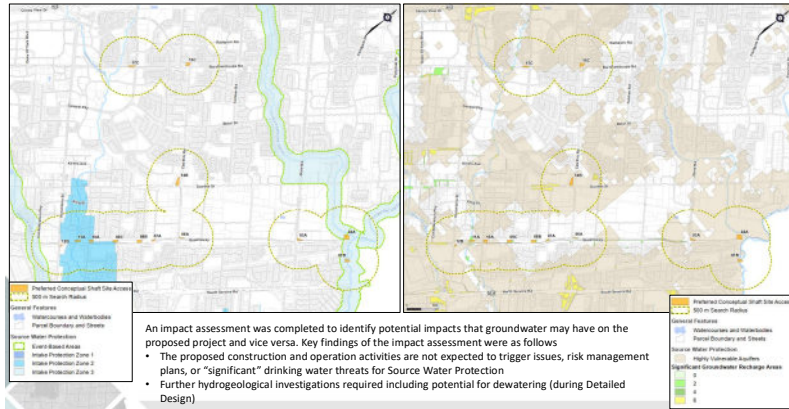


Key TRCA Considerations



- The following are key TRCA considerations:
 1. Source Water Protection
 2. Archaeological and Heritage Resources
 3. Community Impacts
 4. TRCA Regulated Area
 5. Natural Features / Watercourses
 6. Aquatic and Terrestrial Habitat and Wildlife
 7. Hydraulic and Geomorphic Hazard Assessment
 8. Flooding / Erosion Impacts

1. Source Water Protection

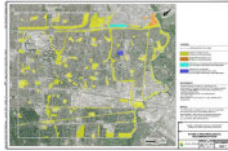


2. Archaeological and Heritage Resources



Archaeology

- Stage 1 and 2 Archaeological Assessments were completed
 - Stage 2 (completed by Golder & TRCA) did not identify any areas of archaeological importance
 - No further studies required



Cultural Heritage

- Cultural Heritage Screening was completed and identified the heritage resources within the study area
- Preliminary Impact Assessment completed on cultural heritage resources nearby proposed surface works - two resources within TRCA boundary:
 - Etoibicoke Creek – Heritage Corridor
 - No potential impacts
 - Middle Bridge at 1700 Sherway Drive – Protected Property
 - Potential impacts can be fully mitigated
 - Vibration monitoring
 - Temporary fencing around bridge
 - Avoidance of mature trees and limiting
 - Vegetation clearing (incorporate a replacement screening strategy for any removals)
 - Relocation of recreational trail away from construction zone
- No further studies required



3. Community Impacts



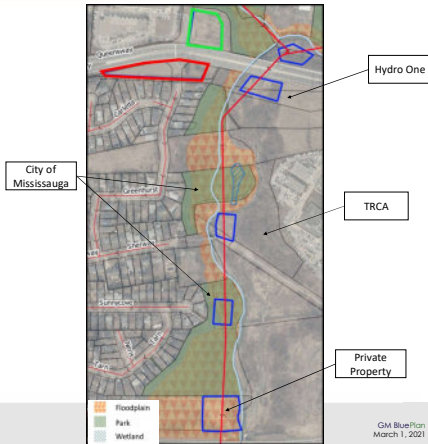
- Etoibicoke Creek and Sherway Drive
 - Potential need to relocate access during construction
- Coordination with the City of Mississauga and the City of Toronto



4. TRCA Regulated Area



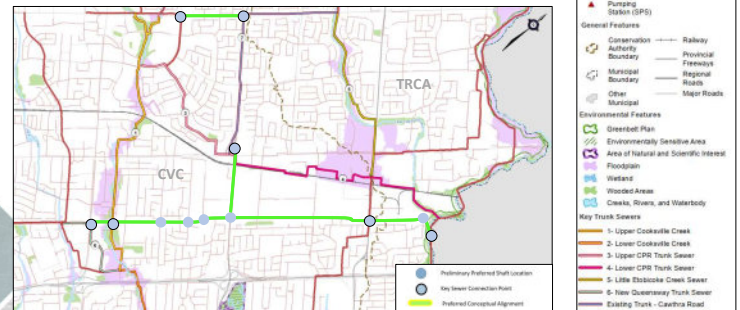
- A total of 2 shaft sites located within the TRCA boundary
- One shaft location located within TRCA regulation limit:
 - Permit required for construction
- Proposed below ground alignment within Etoibicoke Creek Valley
- Coordination with the City of Mississauga and the City of Toronto



5. Natural Features



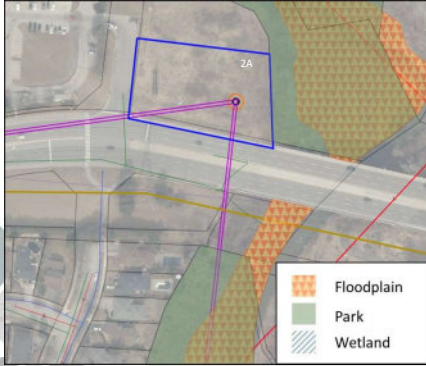
- Only two shaft locations fall within TRCA jurisdiction
- Focus of potential impacts to key natural features at Etoibicoke Creek



5. Natural Features



- Only two shaft locations fall within TRCA jurisdiction
- Focus of potential impacts to key natural features at along Etobicoke Creek



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March 1, 2021

6. Aquatic and Terrestrial Habitat And Wildlife

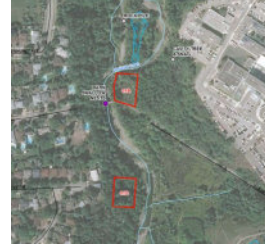


Investigations/Surveys:

1. Amphibian call count surveys
2. Ecological land classification and botanical inventory
3. Breeding bird surveys
4. Fish habitat assessment and community inventory
5. Bat roosting habitat assessment
6. General wildlife and habitat assessment

Summary of Observations:

- No amphibian habitat – mapped wetland north of 01B not present, creek overflow area
- Bat roosting habitat observed (east of Etobicoke Creek) – limited to a few trees, vegetation mostly younger trees and thicket (unsuitable)
- Barn swallow nests observed under pedestrian bridge crossing Etobicoke Creek at Sherway Drive
- Several invasive plants observed including dog-strangling vine, phragmites and Siberian elm
- No plant species at risk observed



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March 1, 2021

6. Aquatic and Terrestrial Habitat And Wildlife



Conclusions

- Watercourses in the study area support a cool/coldwater fish community consisting of native and non-native fish species
- Fish and fish habitat present in Etobicoke Creek and tributaries
- Etobicoke Creek supports a range of life history events including specialized habitats such as spawning areas, migratory routes and habitats for Salmonid species (Rainbow Trout, and Brown Trout)
- Historical records of fish species at risk (Redside dace, American eel and Lake sturgeon), although likely only able to support American eel



Site 1B vs 1D

- Overall, Site 1B is preferred as a shaft location over site 1D for the following:

Site 1B	Site 1D
<ul style="list-style-type: none"> Highly disturbed cultural meadow with compacted soil due to pedestrian traffic Majority of plants on site are non-native species 	<ul style="list-style-type: none"> Fresh-moist sugar maple - lowland ash deciduous forest with a relatively low amount of human disturbance - limited accessibility of the site Majority of species observed on the site are native to Ontario, and no non-native tree species were observed on the site.
<ul style="list-style-type: none"> Deciduous forest in the northern portion of the site lacks mature trees, and exhibits a high amount of human disturbance 	<ul style="list-style-type: none"> Forest has a closed tree canopy and a high amount of downed woody debris to provide a higher quality of wildlife habitat
<ul style="list-style-type: none"> Low potential to provide suitable habitat for species designated threatened or endangered under the ESA 	<ul style="list-style-type: none"> This site was assessed to have low potential to provide suitable habitat for species designated threatened or endangered under the ESA, and
<ul style="list-style-type: none"> Moderate potential to provide suitable habitat for three species designated special concern under the ESA: monarch, yellow-banded bumblebee, and eastern wood-pewee. 	<ul style="list-style-type: none"> Moderate potential to provide suitable habitat for four species designated special concern under the ESA: eastern wood-pewee, wood thrush, eastern ribbonsnake, and West Virginia white.

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March 1, 2021

7. Hydraulic and Geomorphic Hazard



Hydraulic and Geomorphic Hazard Assessment

- Assessment involved scour analysis and lateral stability assessment at 4 locations/cross sections
- Existing East Trunk Sewer has an estimated cover of 0.5m at Site 1B and 0.1m at Site 1D
- Proposed pipe cover is 1.05m – less than the recommended 3.7m cover
- Results / Mitigation Measures for Site 1B and 1D:
 - Site 1B offers the shortest viable alignment within the valley compared to Site 1B
 - Scour and erosion protection measures are recommended for construction at Site 1B/1D including Bank Armouring, Stream Bed Armouring, Floodplain Trench Armouring, High Flow Weirs
- TRCA Feedback
 - The assessment indicates that the proposed sewer will likely be subject to scour and/or erosive forces over the lifespan of the project. Therefore, scour and erosion protection measures will be required, regardless of the chosen alternative.
 - TRCA staff has no preference and will support the preferred alternative provided it will not exacerbate existing erosion issues, increase the water surface elevation in adjacent properties, or create further detriment to the environment. Staff suggests further exploration of alternative 01E or any other where a deeper sewer connection is achievable.
 - Depending on the final location of this shaft, a slope stability and erosion hazard assessment is required to ensure that the proposed shaft is not undermined by erosion hazard in long-term or does not destabilize the valleys. The position of the Long-Term Stable Top of Slope needs to be delineated with a minimum safety factor of 1.50 to define the setback required from the existing top of bank/slope.



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March 1, 2021

Connection Shaft Alternatives Evaluation – Etobicoke Creek



A high-level review was completed to screen out shaft site alternatives based on technical viability/feasibility, including the ability to be constructed based on a minimum slope of 0.1% (to maintain minimum velocities).

Tunnel Launch Location	Technical Screening Results
1A. North (Queensway)	✗
1B. South (Sherway)	✓
1C. North (Little Etobicoke Creek)	✗
1D. South (Sunnycove)	✓
1E. South (QEW)	✓

A more detailed evaluation was completed on the remaining alternatives.



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March 1, 2021

Connection Shaft Alternatives Evaluation – Etobicoke Creek



Alternative	Key Evaluation Points
1B Preliminary Preferred	<ul style="list-style-type: none"> Good existing construction access route to site via the east paved road (Sherway) Minimized construction risk due to the shorter sewer drive length Enables mitigation to structurally improve existing sanitary pipe and access road Minimizes overall impact to natural environment; east site is located on highly disturbed cultural meadow with low species diversity Existing connecting pipe burial depth is shallow and will require mitigation for hydraulic and geomorphic hazards (common with 1D) Located to the east of Etobicoke Creek; crossing of Etobicoke Creek required
1D	<ul style="list-style-type: none"> Located to the west of Etobicoke Creek Does not have an existing construction access route to site; extremely challenging construction access from east and west Existing connecting pipe burial depth is very shallow and will require mitigation for hydraulic and geomorphic hazards (common with 1B) Increased construction and environmental risk due to the longer sewer drive length Site is deciduous forest with higher species diversity and higher quality of wildlife habitat
1E	<ul style="list-style-type: none"> Located to the west of Etobicoke Creek Does not have an existing construction access route to site; extremely challenging construction access from east Site is privately owned; increased acquisition risk gaining construction and permanent access Construction access through small residential roads required creating high socio-economic impact Increased construction risk due to the longer sewer drive length



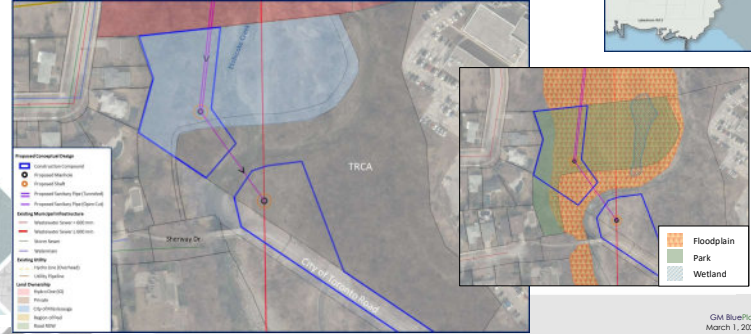
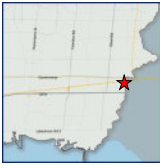
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March 1, 2021

Preliminary Preferred Shaft Compound (Conceptual)



Sherway and Etobicoke Creek

- Alignment within Hydro One, City of Mississauga and TRCA lands; within floodplain
- Construction compound within City of Mississauga, TRCA lands and City of Toronto lands; within floodplain
- Permanent and temporary easements required for construction compound, alignment and manhole



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March 1, 2021

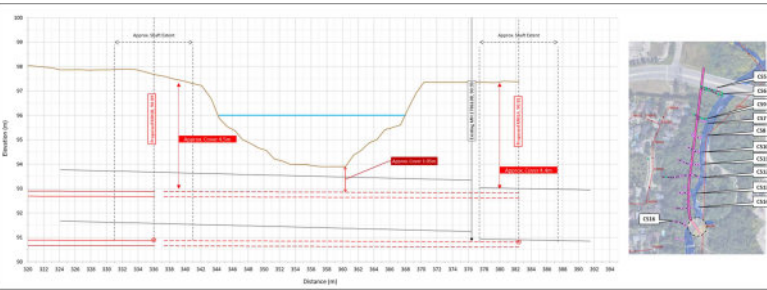
Etobicoke Creek Alignment Alternatives – Cross Section



Etobicoke Creek Alignment Alternatives – Profile



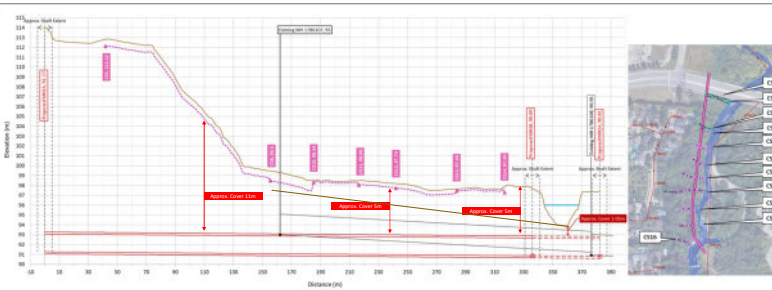
Open Cut Section – Etobicoke Creek Crossing



Proposed pipe size:
1800 mm (inner ring)
2224 mm with liner (outer ring)

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March 1, 2021

Preferred Alignment – Etobicoke Creek Valley



Proposed pipe size:
1800 mm (inner ring)
2224 mm with liner (outer ring)

GM BluePlan
March 1, 2021

Etobicoke Creek Preliminary Preferred Alignment



Preliminary Recommendations



A. TBM receiving pit
B. TBM launch site

Key Evaluation Points

- Only required 2 shaft compounds
- Does not cross any existing above or below ground utilities at tunnel compound, reducing potential for construction conflict
- Minimal impacts to residents due to construction outside of residential area
- Potential environmental impact due to construction within valley, however, can be mitigated
- Good flow hydraulics (flow east then south)
- Opportunity to reinforce the existing sewer

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March 1, 2021

- The following are the study's preliminary recommendations:
 - Selection of Site 1B as the East Trunk connection point
 - Open cut construction to cross Etobicoke Creek
 - Second construction compound on west side of Etobicoke Creek to facilitate tunneling alignment
 - Tunneling alignment from Queensway to west of Etobicoke Creek within the Etobicoke Creek Valley with approx. minimum 4-5m cover
 - Fluvial hazard remediation for existing pipe and proposed infrastructure

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March 1, 2021

Stakeholder Engagement

The following agency consultations to be completed before PIC #2:

1. Hydro One
 - Study field investigations
 - Property easements
2. Alectra
 - Working around hydro poles / wires during construction
3. Enbridge
 - Coordination along Queensway
4. City of Mississauga
 - Study field investigations
 - Property easements
 - Multi-use trails along Queensway
 - Traffic / Transit (e.g., bus shelter relocations)
5. Private Landowners
 - Study field investigations
 - Property easements
6. CVC
 - Cooksville Creek alignment and shaft site
7. DFO / MECP
 - Continued communication



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March 1, 2021

Project Schedule & Next Steps

- PIC #2 to present the preliminary preferred design solution
 - Late Spring 2021
- Additional technical studies will be completed on the preferred design solution including:
 - Desktop Geotechnical Investigations
 - Traffic Impact Assessment
- Phase 4: Environmental Study Report
 - Notice of Completion
 - Minimum 30-day Public Review Period – Summer 2021



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March 1, 2021

Feedback



GM BluePlan
March 1, 2021



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 P: 416.703.0667 F: 416.703.2501
 www.gmbblueplan.ca

Meeting Minutes

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The PowerPoint presentation was provided to meeting participants, these minutes supplement the presentation.

Item	Actions
<p>1. <u>Class EA Process</u></p> <p>1.1 GMBP provided further clarification on why Etobicoke Creek connection point alternatives 1A and 1C were screened out. These connection points are further upstream and at a higher elevation therefore the proposed new pipe cannot achieve a minimum slope of 0.1%. This slope standard is required for flow by gravity.</p> <p>1.2 The PowerPoint presentation outlined the multi-stage Class EA process undertaken to develop and select the preliminary preferred Phase 3 design alternative. The preferred design alternative supports the servicing strategy selected through the completion of Phase 2 and presented at PIC 1. Phase 3 will provide a conceptual design and construction methodology of the shaft compounds and sewer alignments. Further refinement on the construction methodology and limits will be completed during detailed design and support required permits and approvals.</p> <p>1.3 TRCA acknowledges the Region's solution requires connection into the existing East Trunk Sewer located along the Etobicoke Creek.</p>	
<p>2. <u>Etobicoke Creek Connection</u></p> <p>2.1 The Region recognizes that due to the existing depth of the Etobicoke Creek sewer there is minimum cover for the proposed new sewer at the point of crossing the Creek, this is why the Region is proposing an open cut construction crossing of the creek followed by post construction mitigation and remediation in the area to safeguard the existing sewer and the proposed sewer from future fluvial hazards. The Region would like to work with TRCA to arrive at the best solution to meet the technical requirements while achieving a long-term sustainable solution that minimizes environmental impact.</p>	



<p>2.2 TRCA was asked to provide conceptual guidance on preferred construction mitigation measures for open cut creek construction and permanent fluvial hazard protection methods. TRCA will also provide feedback on studies required to support the preparation of detailed design, this will be documented in the ESR under implementation commitments.</p> <p>2.3 TRCA requested the background reports and Draft EA documentation to supplement the details presented at today's meeting.</p>	
<p>3. <u>Next Steps</u></p> <p>3.1 GMBP to provide Class EA process and supporting documentation to TRCA for review and comment.</p> <p>3.2 TRCA to provide a written formal response based on the information presented at the meeting and background documentation.</p>	<p>3.1 GMBP</p> <p>3.2 TRCA</p>

These minutes have been prepared by the undersigned. If there are any errors or omissions in these minutes, please contact the author as soon as possible.

GM BLUEPLAN ENGINEERING LIMITED

Sandra Anastasio - GM BluePlan

From: Suzanne Bevan <Suzanne.Bevan@trca.ca>
Sent: Friday, April 09, 2021 4:03 PM
To: Chris Campbell - GM BluePlan
Cc: Lee, Justin; Emma Benko; Sandra Anastasio - GM BluePlan
Subject: RE: CFN 616197 RE: Peel Central Mississauga EA - Meeting Package

Follow Up Flag: Follow up
Flag Status: Flagged

That's great. I will circulate all the information once received, including meeting minutes and presentation, for review and comment. Please note that our typically turn around for Peel SLA projects is 31 business days. Should you have any concerns please do not hesitate to give me a call.

Have a great weekend everyone.
Thank you,
Suzanne

Suzanne Bevan
Senior Manager
Infrastructure Planning and Permits – Peel/York | Development and Engineering Services

T: (416) 661-6600 ext. 5759
C: (647) 924-5467
E: suzanne.bevan@trca.ca
A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](#) | trca.ca



From: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Sent: April 9, 2021 3:49 PM
To: Suzanne Bevan <Suzanne.Bevan@trca.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Emma Benko <emma.benko@trca.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: CFN 616197 RE: Peel Central Mississauga EA - Meeting Package

Hi Suzanne

I hope you and the team are well.

To confirm we are pulling together a comprehensive information pack covering Phase 1, 2 and 3 evaluation, decisions and supporting documentation related to TRCA's jurisdiction. We anticipate getting this to you for the end of next week.

Have a great weekend.

Thanks

Chris

Chris Campbell, MTP, MCIP, RPP, MRTPI

Branch Manager, Infrastructure Planning, Partner

GM BluePlan Engineering Limited

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chris.campbell@gmblueplan.ca | www.gmblueplan.ca



From: Suzanne Bevan <Suzanne.Bevan@trca.ca>

Sent: Wednesday, April 07, 2021 11:20 AM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Emma Benko <emma.benko@trca.ca>

Subject: CFN 616197 RE: Peel Central Mississauga EA - Meeting Package

Hi Sandra,

Thank you for the package.

Staff provided verbal comments at the meeting and are pleased to review the meeting minutes and respond formally with further information.

Could you please also provide TRCA staff with any other available information - including Ph 1 and 2 - as I don't believe we have received anything further to the presentation slides regarding the technical justification of the route through the valley and the preferred shaft locations.

If I have missed anything – please let me know.

Thank you,
Suzanne

Suzanne Bevan

Senior Manager

Infrastructure Planning and Permits – Peel/York | Development and Engineering Services

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C: (647) 924-5467

E: suzanne.bevan@trca.ca

A: 101 Exchange Avenue, Vaughan, ON, L4K 5R6 | trca.ca



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: April 7, 2021 10:50 AM

To: Suzanne Bevan <Suzanne.Bevan@trca.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>

Subject: Peel Central Mississauga EA - Meeting Package

Hi Suzanne,

Please find in the link below a copy of the meeting package for the Region of Peel Central Mississauga EA study for your review.

https://sendafile.gmblueplan.ca/public_uploads/2021-04-07_144732_210301-PKG-TRCA_Pre-PIC_Meeting.pdf

Let me know if you have any questions or comments.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT

Infrastructure Planning

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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, April 12, 2021 1:58 PM
To: Alistair Jolly
Cc: Chris Campbell - GM BluePlan; Lee, Justin
Subject: RE: Peel Central Miss EA - Stage 2 Archaeological Assessment

Hi Alistair,

Thank you for accommodating the study's schedule. We would like the opportunity to review the report prior to MHSTCI submission. We will ensure a quick turnaround time once we have received the draft.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Alistair Jolly <Alistair.Jolly@trca.ca>
Sent: Monday, April 12, 2021 1:42 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: RE: Peel Central Miss EA - Stage 2 Archaeological Assessment

We will make every effort to complete the draft before the end of April. Would you like the draft reviewed prior to MHSTCI submission or should we just go ahead and submit it?

Alistair Jolly, M.A.
Supervisor, Archaeology
Professional Services | Restoration and Infrastructure

T: [416\) 661-6600](tel:(416)661-6600) ext. 6405
C: [416\) 771-2004](tel:(416)771-2004)
E: alistair.jolly@trca.ca
A: [1229 Bethesda Sideroad, Richmond Hill, ON L4E 1A2](https://www.trca.ca) | trca.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Monday, April 12, 2021 12:15 PM
To: Alistair Jolly <Alistair.Jolly@trca.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: RE: Peel Central Miss EA - Stage 2 Archaeological Assessment

Hi Alistair,

We would like to proceed with the expedited process. We would like to share this report with the study's key stakeholders including the City of Mississauga and Indigenous Communities as well as including it in the ESR documentation. Would you be able to provide an approximate date for the Stage 2 Report through the expedited process?

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Alistair Jolly <Alistair.Jolly@trca.ca>
Sent: Wednesday, April 07, 2021 11:08 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: Peel Central Miss EA - Stage 2 Archaeological Assessment

Hi Sandra. We have not started writing the report for this project given the fieldwork was so late in the season so it's in the back of the queue. We did provide clearance, as per the attached document following fieldwork which was sent to Chis Campbell and Justin Lee. Accordingly, you are free to begin construction. However, if you require a report draft at this time, we can move it to the front of the queue and ask for an expedited review from MHSTCI. Let me know how you would like us to proceed and we will act accordingly. Thank you!

Alistair Jolly, M.A.
Supervisor, Archaeology
Professional Services | Restoration and Infrastructure

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 6405
C: [\(416\) 771-2004](tel:(416)771-2004)

E: alistair.jolly@trca.ca

A: [1229 Bethesda Sideroad, Richmond Hill, ON L4E 1A2](https://www.trca.ca) | [trca.ca](https://www.trca.ca)



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Tuesday, April 6, 2021 4:16 PM

To: Alistair Jolly <Alistair.Jolly@trca.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Suzanne Bevan <Suzanne.Bevan@trca.ca>

Subject: Peel Central Miss EA - Stage 2 Archaeological Assessment

Hi Alistair,

As part of the Region of Peel Wastewater Capacity Improvements in Central Mississauga, TRCA completed a Stage 2 Archaeological Assessment at a proposed shaft site at Etobicoke Creek and Sherway Drive in Nov 2020. I would like to follow up on the status of the Stage 2 Archaeological Assessment. If available, can you please provide a copy of the report? Has the report been sent/approved by MHSTCI? If so, can you please provide approval confirmation?

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

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Sandra Anastasio - GM BluePlan

From: Alvina Tam <Alvina.Tam@trca.ca>
Sent: Tuesday, April 13, 2021 11:02 AM
To: Sandra Anastasio - GM BluePlan
Cc: Alistair Jolly; Chris Campbell - GM BluePlan
Subject: RE: Stage 1 archaeological assessment report for Peel Central Miss EA

Hi Sandra,

Perfect, thank you very much! I will include this information within our Stage 2 report.

Have a great day,
Alvina

Alvina Tam, M.Sc.
Senior Archaeologist, Archaeology
Professional Services | Restoration and Infrastructure

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 6417
C: (416) 564-9858
E: alvina.tam@trca.ca
A: [1229 Bethesda Sideroad, Richmond Hill, ON L4E 1A2](https://www.trca.ca/1229-Bethesda-Sideroad-Richmond-Hill-ON-L4E-1A2) | [trca.ca](https://www.trca.ca)



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Tuesday, April 13, 2021 10:59 AM
To: Alvina Tam <Alvina.Tam@trca.ca>
Cc: Alistair Jolly <Alistair.Jolly@trca.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Stage 1 archaeological assessment report for Peel Central Miss EA

Hi Alvina,

A Stage 1 Archaeological Assessment was completed and submitted to the Ministry. Please find the Stage 1 Report and Entry into Registry Confirmation Letter in the link below for your reference.

https://sendafile.gmblueplan.ca/public_uploads/2021-04-13_145709_Archaeology_Stage_1.zip

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Alvina Tam <Alvina.Tam@trca.ca>
Sent: Tuesday, April 13, 2021 9:32 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Alistair Jolly <Alistair.Jolly@trca.ca>
Subject: Stage 1 archaeological assessment report for Peel Central Miss EA

Good Morning Sandra,

I hope this email finds you well. I am currently drafting the Stage 2 archaeological assessment report and wanted to confirm if a Stage 1 archaeological assessment was conducted which includes the TRCA lands we tested late last year. And if so, can you please kindly share a copy of the report or be able to provide a PIF number or Report Title for the Stage 1? One of our reporting requirements is to provide a summarization of any previously conducted archaeological assessment within a 50 metres of the current project area so if you have this information already that would be very helpful and greatly appreciated.

Regards,
Alvina

Alvina Tam, M.Sc.
Senior Archaeologist, Archaeology
Professional Services | Restoration and Infrastructure

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 6417
C: (416) 564-9858
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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Friday, April 16, 2021 10:38 AM
To: Suzanne Bevan
Cc: Lee, Justin; Emma Benko; Chris Campbell - GM BluePlan
Subject: RE: CFN 616197 RE: Peel Central Mississauga EA - Meeting Package

Hi Suzanne,

I have provided a link below which includes the EA Phase 1, 2 and 3 Etobicoke Creek evaluation process and supporting documentation for the Peel Central Mississauga EA.

[https://sendafile.gmblueplan.ca/public_uploads/2021-04-16_143608_2021-04-16_Etobicoke_Creek_Package_\(To_TRCA\).zip](https://sendafile.gmblueplan.ca/public_uploads/2021-04-16_143608_2021-04-16_Etobicoke_Creek_Package_(To_TRCA).zip)

Please let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Suzanne Bevan <Suzanne.Bevan@trca.ca>
Sent: Friday, April 09, 2021 4:03 PM
To: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Emma Benko <emma.benko@trca.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: CFN 616197 RE: Peel Central Mississauga EA - Meeting Package

That's great. I will circulate all the information once received, including meeting minutes and presentation, for review and comment. Please note that our typically turn around for Peel SLA projects is 31 business days. Should you have any concerns please do not hesitate to give me a call.

Have a great weekend everyone.
Thank you,
Suzanne

Suzanne Bevan
Senior Manager
Infrastructure Planning and Permits – Peel/York | Development and Engineering Services

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C: (647) 924-5467
E: suzanne.bevan@trca.ca
A: 101 Exchange Avenue, Vaughan, ON, L4K 5R6 | trca.ca



From: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Sent: April 9, 2021 3:49 PM
To: Suzanne Bevan <Suzanne.Bevan@trca.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Emma Benko <emma.benko@trca.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: CFN 616197 RE: Peel Central Mississauga EA - Meeting Package

Hi Suzanne

I hope you and the team are well.

To confirm we are pulling together a comprehensive information pack covering Phase 1, 2 and 3 evaluation, decisions and supporting documentation related to TRCA's jurisdiction. We anticipate getting this to you for the end of next week.

Have a great weekend.

Thanks
Chris

Chris Campbell, MTP, MCIP, RPP, MRTPI
Branch Manager, Infrastructure Planning, Partner

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t: 416.703.0667 ext. 7204 | c: 289.388.7499
chris.campbell@gmblueplan.ca | www.gmblueplan.ca



From: Suzanne Bevan <Suzanne.Bevan@trca.ca>
Sent: Wednesday, April 07, 2021 11:20 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Emma Benko <emma.benko@trca.ca>
Subject: CFN 616197 RE: Peel Central Mississauga EA - Meeting Package

Hi Sandra,

Thank you for the package.

Staff provided verbal comments at the meeting and are pleased to review the meeting minutes and respond formally with further information.

Could you please also provide TRCA staff with any other available information - including Ph 1 and 2 - as I don't believe we have received anything further to the presentation slides regarding the technical justification of the route through the valley and the preferred shaft locations.

If I have missed anything – please let me know.

Thank you,
Suzanne

Suzanne Bevan
Senior Manager
Infrastructure Planning and Permits – Peel/York | Development and Engineering Services

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A: 101 Exchange Avenue, Vaughan, ON, L4K 5R6 | trca.ca



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Sent: April 7, 2021 10:50 AM
To: Suzanne Bevan <Suzanne.Bevan@trca.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: Peel Central Mississauga EA - Meeting Package

Hi Suzanne,

Please find in the link below a copy of the meeting package for the Region of Peel Central Mississauga EA study for your review.

https://sendafile.gmblueplan.ca/public_uploads/2021-04-07_144732_210301-PKG-TRCA_Pre-PIC_Meeting.pdf

Let me know if you have any questions or comments.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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Sandra Anastasio - GM BluePlan

From: Alvina Tam <Alvina.Tam@trca.ca>
Sent: Friday, April 23, 2021 3:55 PM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; Alistair Jolly
Subject: RE: DRAFT report for Peel Central Miss EA - Stage 1-2 Archaeological Assessment
Attachments: P1016-0185-2020_23Apr2021_RE_St12_EC20-06
_PeelCentralMississaugaWastewaterClassEA.pdf; P1016-0185-2020_23Apr2021_SD_St12_EC20-06_PeelCentralMississaugaWastewaterClassEA.pdf

Hi Sandra,

No problem. I have revised as advised and submitted the report package with the request for the expedited review. Please kindly find attached the final report copy that was submitted to MHSTCI.

Have a great weekend!
Alvina

Alvina Tam, M.Sc.
Senior Archaeologist, Archaeology
Professional Services | Restoration and Infrastructure

T: [\(416\) 661-6600](tel:4166616600) ext. 6417
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A: [1229 Bethesda Sideroad, Richmond Hill, ON L4E 1A2](https://www.trca.ca/1229-Bethesda-Sideroad) | [trca.ca](https://www.trca.ca)



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Friday, April 23, 2021 10:48 AM
To: Alvina Tam <Alvina.Tam@trca.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Alistair Jolly <Alistair.Jolly@trca.ca>
Subject: RE: DRAFT report for Peel Central Miss EA - Stage 1-2 Archaeological Assessment

Hi Alvina,

Two small changes in the attached. Once these changes are updated, please go ahead with the submission to MHSTCI.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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t: 416.703.0667 ext. 7217 | c: 416.428.2836



From: Alvina Tam <Alvina.Tam@trca.ca>
Sent: Friday, April 23, 2021 8:25 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Alistair Jolly <Alistair.Jolly@trca.ca>
Subject: RE: DRAFT report for Peel Central Miss EA - Stage 1-2 Archaeological Assessment

Good morning Sandra,

Thank you for the edits! I have revised the report accordingly and have attached a new draft. If this looks ok, can you please kindly confirm if we may move forward with the report package submission to MHSTCI?

Thanks and Cheers,
Alvina

Alvina Tam, M.Sc.
Senior Archaeologist, Archaeology
Professional Services | Restoration and Infrastructure

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 6417
C: (416) 564-9858
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A: [1229 Bethesda Sideroad, Richmond Hill, ON L4E 1A2](https://www.trca.ca/1229-Bethesda-Sideroad) | trca.ca



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Thursday, April 22, 2021 9:37 AM
To: Alvina Tam <Alvina.Tam@trca.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Alistair Jolly <Alistair.Jolly@trca.ca>
Subject: RE: DRAFT report for Peel Central Miss EA - Stage 1-2 Archaeological Assessment

Hi Alvina,

I have attached minor comments to the Stage 2 Archaeological Assessment Report as well as a copy of the expedited review letter.

Please let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Alvina Tam <Alvina.Tam@trca.ca>

Sent: Friday, April 16, 2021 3:33 PM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Alistair Jolly <Alistair.Jolly@trca.ca>

Subject: DRAFT report for Peel Central Miss EA - Stage 1-2 Archaeological Assessment

Good Afternoon Sandra,

Please kindly find attached a draft copy of the Stage 1-2 archaeological assessment report for the Region of Peel Central Mississauga Wastewater project for your review. If no changes are necessary, please kindly confirm if we can go ahead with the report package submission for MHSTCI review. Alistair has also informed me that you would be interested in an expedited review. I have also attached an Expedited Review Letter Example for you to provide back to me at your convenience. Please do not hesitate to let me know if you have any other questions or concerns.

Have a great weekend,

Alvina

Alvina Tam, M.Sc.

Senior Archaeologist, Archaeology

Professional Services | Restoration and Infrastructure

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 6417

C: (416) 564-9858

E: alvina.tam@trca.ca

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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, July 26, 2021 4:12 PM
To: Suzanne Bevan
Cc: Adam Miller; Trina Seguin; Alistair Jolly; Chris Campbell - GM BluePlan; Lee, Justin
Subject: RE: CFN 61697 TRCA Response to Phase 1 -3 Materials, Wastewater Capacity Improvements in Central Mississauga, Environmental Assessment
Attachments: 210726 TRCA Formal Response to Comments (Appendix A).pdf

Hi Suzanne,

Thank you for providing your feedback. The Region acknowledges TRCA's concerns at Shaft 1B. During the Pre-PIC No. 2 consultation meeting on June 1, 2021, GM BluePlan and the Region provided additional measures to minimize construction and long-term impacts at this location:

- Removal of manhole on west side of creek to avoid long term access requirements
- Restoration of west side of creek to original or improved condition
- Reinforcement of existing sewer at Etobicoke Creek to minimize erosion impacts

Please find attached the formal responses to TRCA comments (Appendix A).

The Region will continue to work with TRCA throughout the project to implement the preferred construction and erosion mitigation measures.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Tuesday, May 25, 2021 2:07 PM
To: Suzanne Bevan <Suzanne.Bevan@trca.ca>
Cc: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Adam Miller <Adam.Miller@trca.ca>; Trina Seguin <Trina.Seguin@trca.ca>; Alistair Jolly <Alistair.Jolly@trca.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>; Pitura, Andrea <Andrea.Pitura@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: CFN 61697 TRCA Response to Phase 1 -3 Materials, Wastewater Capacity Improvements in Central Mississauga, Environmental Assessment

Hi Suzanne,

Good afternoon and thank you for sending the comments through to us! We appreciate the feedback. We'll have a review of the TRCA comments prior to the meeting next week. We can discuss how the Region is planning to address / has addressed the TRCA's concerns at the meeting.

If you require anything from us (the Region and/or GMBP) prior to the June 1st meeting, please feel free to let me know.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Suzanne Bevan <Suzanne.Bevan@trca.ca>

Sent: May 25, 2021 1:36 PM

To: Lee, Justin <Justin.Lee@peelregion.ca>

Cc: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Adam Miller <Adam.Miller@trca.ca>; Trina Seguin <Trina.Seguina@trca.ca>; Alistair Jolly <Alistair.Jolly@trca.ca>

Subject: CFN 61697 TRCA Response to Phase 1 -3 Materials, Wastewater Capacity Improvements in Central Mississauga, Environmental Assessment

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

Hi Justin,

Please see attached response to Phase 1 -3 materials.

Please note that staff does not have any comments on the meeting minutes of March 1, 2021.

Staff look forward to the June 1, 2021 meeting to review the preliminary preferred design concept at Etobicoke Creek.

Thank you,
Suzanne

Suzanne Bevan, B.Sc. (Hons), ENV SP
Senior Manager

Infrastructure Planning and Permits – Peel/York | Development and Engineering Services

T: (416) 661-6600 ext. 5759

C: (647) 924-5467

E: suzanne.bevan@trca.ca

A: 101 Exchange Avenue, Vaughan, ON, L4K 5R6 | trca.ca



May 25, 2021

CFN 61697

BY E-MAIL ONLY (justin.lee@peelregion.ca)

Justin Lee
Project Manager
10 Peel Centre Drive
Brampton, ON
L6T 4B9

Dear Mr. Lee:

**Re: Phases 1-3
Wastewater Capacity Improvements in Central Mississauga
Municipal Class Environmental Assessment – Schedule C
Etobicoke Creek Watershed; City of Mississauga; Regional Municipality of Peel**

Toronto and Region Conservation Authority (TRCA) staff received the Phase 1-3 materials and March 1, 2021 meeting materials and minutes on April 16, 2021.

The Region of Peel initiated a Municipal Class Environment Assessment in March 2019 for the Wastewater Capacity Improvements in Central Mississauga. The objective of this study is to investigate alternative long-term wastewater servicing strategies, routes, and design concepts for the Central Mississauga wastewater system. The study is currently in Phase 3 of the Class EA process to evaluate and identify the preliminary preferred design concept.

TRCA reviewed and commented on the Hydraulic and Geomorphic Hazard Assessment and provided comments on October 2020. On March 1, 2021 TRCA met with the project team and were provided an update on the EA study and presented the conceptual design, with a focus at the Etobicoke Creek location.

While staff acknowledge the technical constraints related to the required servicing, staff remain to have concerns related to the alignment and preferred shaft location (1B) and the proposed open cut of the Etobicoke Creek at that location. TRCA staff are concerned about the feasibility of construction, potential for the creek to impact the proposed (and the existing) sanitary trunk as a result of lateral movement or bed undercutting including the impact of required mitigation measures on the Etobicoke Creek and the implementation of appropriate monitoring of the site to ensure emergency situations do not arise that will result in further impacts to the creek, trails and restoration projects. Additional detailed comments are provided in Appendix A. Staff understand that some details may not be available at this stage but request that they be addressed in the EA report. TRCA looks forward to working with the Region as this project moves forward.

Please continue to communicate with TRCA property and archaeology staff to ensure required studies and approvals are in line with project schedule. Please also ensure that coordination with lower tier initiatives in this area is maintained.

RESUBMISSION REQUIREMENTS

In order to facilitate the review of the next submission, please:

1. Provide a covering letter with Central File Number (CFN 61697) quoted, summarizing how TRCA comments have been addressed.
2. Update Appendix A table to include detailed responses for each TRCA comment. For your convenience, a WORD version of Appendix A is enclosed.
3. Ensure all reports and plans/drawings are signed and stamped by a qualified professional.

Digital Submissions

1. Enclose the response cover letter and revised Appendix A, as per above.
2. Ensure all materials are submitted in PDF format, with drawings pre-scaled to print on 11"x17" pages.
3. Materials submitted through e-mail must be less than 25 MB.
4. Materials submitted through a file transfer protocol (FTP) site must be posted a minimum of two weeks.

Please contact me at extension 5759 or at suzanne.bevan@trca.ca to arrange a meeting if clarification on these comments is required.

Yours truly,



Suzanne Bevan, B.Sc. (Hons), ENV SP
Senior Manager, Infrastructure Planning and Permits
Development and Engineering Services

SB/ks

Encl.: Appendix A

BY E-MAIL

cc: Consultant: Sandra Anastasio, GM BluePlan Engineering Limited, sandra.anastasio@gmblueplan.ca
TRCA: Adam Miller, Senior Manager, Development Planning and Permits
Trina Seguin, Senior Property Agent, Assets and Risk Management
Alistair Jolly, Supervisor, Archaeology Professional Services, Restoration and
Infrastructure

APPENDIX A: TRCA COMMENTS AND PROPONENT RESPONSES

ITEM	TRCA COMMENTS (May 25, 2021)	PROponent/CONSULTANT RESPONSE (INSERT DATE)
1.	Please provide analysis of the long -term natural heritage impacts to both 1D and 1B. This analysis is requested to support review of the TRCA’s avoid, minimize, mitigate, and compensate decision making framework.	
2.	TRCA staff note concerns with the feasibility of constructing the sewer connection at 1B (preferred site) including proposed construction methodologies). Due the to the nature of the study area (large watercourse with high flow volumes, large watercourse span, and potential flashy nature) please provide further information related to management of the construction area.	
3.	<p>The Region has identified that “scour and erosion protection measures are recommended for construction at Site 1B/1D including bank armouring, stream bed armouring, floodplain trench armouring, high flow weirs”.</p> <p>Please provide further information on the analysis or discussion on the feasibility of these measures protecting the proposed infrastructure given the watercourse size and velocity and given that 2 sewer pipes will likely require protection since both (current and proposed) are at risk of exposure.</p>	
4.	Please provide further information on how the infrastructure will be monitored, and the risk assessment of exposure and the subsequent emergency methods of protection.	
5.	As staff noted previously, there is the potential for the creek to impact the proposed (and the existing) sanitary trunk as a result of lateral movement or bed undercutting. However, due to the nature of the proposed works, staff would suggest the Region determine the implications associated with the proposed trunk connection and assess the risk they are willing to accept considering the likelihood of the infrastructure being exposed in the long term.	

Region of Peel Wastewater Capacity Improvements in Central Mississauga

ITEM	TRCA COMMENT (May 26, 2021)	PROPONENT/CONSULTANT RESPONSE (July 26, 2021)
1.	Please provide analysis of the long -term natural heritage impacts to both 1D and 1B. This analysis is requested to support review of the TRCA’s avoid, minimize, mitigate, and compensate decision making framework.	The Region will complete a natural environment impact assessment report on the preferred design concept for the Project, which will include an assessment of Project effects at Site 1B. The natural environment impact assessment will characterize the existing (baseline) natural environment present within and adjacent to proposed areas of disturbance from the Project and will include an assessment of effects from the Project on the existing natural environment, as well as recommendations for mitigation measures to avoid, minimize and, if required, compensate for effects of the Project on the existing natural environment.
2.	TRCA staff note concerns with the feasibility of constructing the sewer connection at 1B (preferred site) including proposed construction methodologies). Due the to the nature of the study area (large watercourse with high flow volumes, large watercourse span, and potential flashy nature) please provide further information related to management of the construction area.	The Class EA has reviewed and undertaken supporting studies to determine that construction at the preferred site is viable and that there are temporary and permanent mitigation measures that can be used to support construction and post construction management. The Region is committed to working with TRCA during the detailed design and permitting and approvals steps to select and agree mitigation measures, remediation and operations.
3.	The Region has identified that “scour and erosion protection measures are recommended for construction at Site 1B/1D including bank armoring, stream bed armoring, floodplain trench armoring, high flow weirs”. Please provide further information on the analysis or discussion on the feasibility of these measures protecting the proposed infrastructure given the watercourse size and velocity and given that 2 sewer pipes will likely require	The Region completed a Hydraulic and Geomorphic Hazard Assessment at the proposed new sewer and existing sewer location near Etobicoke Creek. The objective of this study was to identify the minimum burial depth and setback limits at the channel, and, in turn, to inform the feasibility and general design concept of implementing one or more options to protect both the proposed infrastructure and current infrastructure (at the point of connection) from future exposure. The study outlined what was considered viable mitigation options to mitigate risk of exposure including bank

ITEM	TRCA COMMENT (May 26, 2021)	PROPONENT/CONSULTANT RESPONSE (July 26, 2021)
	protection since both (current and proposed) are at risk of exposure.	armouring, stream bed armouring, floodplain trench armouring and high flow weirs. The Region is committed to working with TRCA during the detailed design and permitting and approvals steps to select and agree mitigation measures, remediation and operations
4.	Please provide further information on how the infrastructure will be monitored, and the risk assessment of exposure and the subsequent emergency methods of protection.	Additional construction and mitigation measure methodology will be selected during detailed design.
5.	As staff noted previously, there is the potential for the creek to impact the proposed (and the existing) sanitary trunk as a result of lateral movement or bed undercutting. However, due to the nature of the proposed works, staff would suggest the Region determine the implications associated with the proposed trunk connection and assess the risk they are willing to accept considering the likelihood of the infrastructure being exposed in the long term.	Depth of pipe at Etobicoke Creek is fixed due to required connection to the existing sewer at Queensway/Hurontario (upstream point) and Etobicoke Creek/Sherway (downstream point). Based on implementing appropriate mitigation measures as to be agreed during permitting and approvals the Region is willing to accept the risk.



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Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.:	718018																												
Meeting:	TRCA Pre-PIC #2 Consultation Meeting																														
Date:	Tuesday, June 1, 2021	Time:	11:00 am – 12:00 pm																												
Location:	Microsoft Teams																														
Attendees:	<table border="0"> <thead> <tr> <th><u>TRCA</u></th> <th><u>Region of Peel</u></th> <th><u>GM BluePlan</u></th> <th><u>Golder</u></th> </tr> </thead> <tbody> <tr> <td>Suzanne Bevan</td> <td>Justin Lee</td> <td>Chris Campbell</td> <td>Heather Melcher</td> </tr> <tr> <td>Jairo Morelli</td> <td>Laura Borowiec</td> <td>Mark Zamojc</td> <td></td> </tr> <tr> <td>Jehan Zeb</td> <td>Steven Oldford</td> <td>Sandra Anastasio</td> <td></td> </tr> <tr> <td>Brennan Paul</td> <td>Andrea Pitura</td> <td>Ben Percy</td> <td></td> </tr> <tr> <td>Sinthujan Navaratnavel</td> <td>Sarah Lobo</td> <td></td> <td></td> </tr> <tr> <td>Jason Solnik</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			<u>TRCA</u>	<u>Region of Peel</u>	<u>GM BluePlan</u>	<u>Golder</u>	Suzanne Bevan	Justin Lee	Chris Campbell	Heather Melcher	Jairo Morelli	Laura Borowiec	Mark Zamojc		Jehan Zeb	Steven Oldford	Sandra Anastasio		Brennan Paul	Andrea Pitura	Ben Percy		Sinthujan Navaratnavel	Sarah Lobo			Jason Solnik			
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Agenda Items

1. Project Recap
2. Preliminary Preferred Design Concept
3. Overview of TRCA Comments
4. EA Commitments
5. Detailed Design Commitments
6. Impacts and Mitigation Measures
7. Project Schedule & Next Steps

Meeting Objectives

1. Present preliminary preferred alignment and shaft site conceptual design
2. Discuss TRCA comments
3. Gain feedback from the TRCA prior to PIC No. 2

Pre-PIC No. 2 Stakeholder Consultation

Wastewater Capacity Improvements in Central Mississauga
Municipal Class Environmental Assessment

TRCA
June 1, 2021



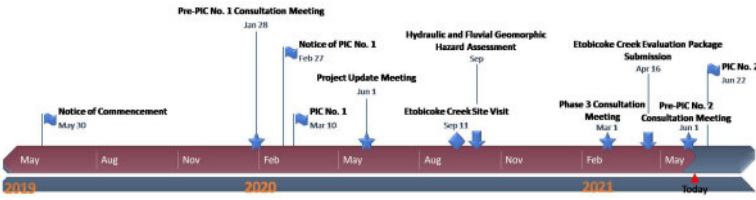
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Meeting Objectives

- ✓ Present preliminary preferred alignment and shaft site conceptual design
- ✓ Discuss TRCA comments
- ✓ Gain feedback from the TRCA prior to PIC No. 2

Project Recap
Consultation with TRCA



TRCA provided preliminary feedback on the Etobicoke Creek connection point that was considered during the EA process.

Preliminary Preferred Design Concept
Etobicoke Creek Alternatives

Alternative	Key Evaluation Points
1B (West and East)	<ul style="list-style-type: none"> • Good existing construction access route to site via the east paved road (Sherway) • Minimized construction risk due to the shorter sewer drive length • Enables mitigation to structurally improve existing sanitary pipe and access road • Minimizes overall impact to natural environment; east site is located on highly disturbed cultural meadow with low species diversity • No permanent surface access required on west side of creek • West shaft compound will be restored and improved • Existing connecting pipe burial depth is shallow and will require mitigation for hydraulic and geomorphic hazards (common with 1D) • Located to the east of Etobicoke Creek, crossing of Etobicoke Creek required
1D	<ul style="list-style-type: none"> • Located to the west of Etobicoke Creek • Does not have an existing construction access route to site; extremely challenging construction access from east and west • Permanent surface access required at shaft location, will require maintenance access, site will need to be maintained and not restored in its entirety • Existing connecting pipe burial depth is very shallow and will require mitigation for hydraulic and geomorphic hazards (common with 1B) • Increased construction and environmental risk due to the longer sewer drive length • Site is deciduous forest with higher species diversity and higher quality of wildlife habitat



Preliminary Preferred Design Concept
Etobicoke Creek



- Queensway and Etobicoke Creek**
- Shaft and construction compound outside of TRCA regulated lands
- Etobicoke Creek and Sherway**
- Open cut creek crossing
 - Tunnelled within valley to Queensway
 - Two shaft compounds - Site 1B East and Site 1B West
 - Manhole only on Site 1B East
 - Long-term access to Site 1B West not required
 - Both sites within TRCA regulated lands
 - Multiple landowners including TRCA (east), Mississauga (west) and Toronto (access road)
 - Opportunity to improve existing infrastructure and pedestrian/cycle path
 - Temporary/permanent assessments required
 - No archaeological potential (TRCA completed Stage 2 Archaeological Assessment at both sites)
 - Construction within 100 m of Middle Bridge; mitigation measures during construction (no conflict with City's bridge rehab project)

Preliminary Preferred Design Concept
Construction Methodology

Access to west side of Etobicoke Creek is temporary for construction only

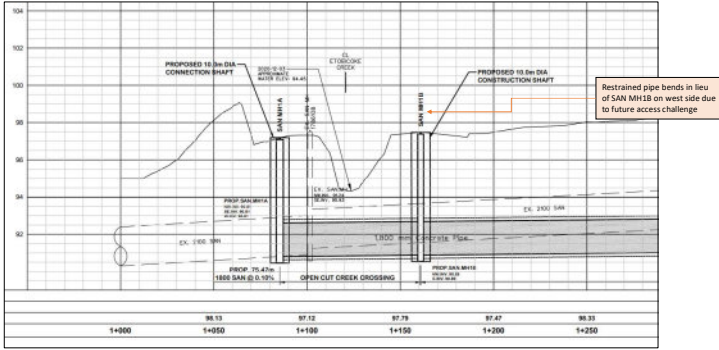
- Works will include temporary access road, temporary access bridge and staging area for construction of a tunnel reception shaft and retrieval of a TBM/MTBM
- Post-construction, there will be no permanent infrastructure above grade, no maintenance hole and no regular maintenance access required
- Area to be restored/re-naturalized

Restrained pipe bends in lieu of SAM MH due to future access challenge

Flood proofing, mitigation and contingency plan requirements to be developed during detailed design including:

- Tunnel shaft shoring to be terminated above grade for flood protection during construction
- Non-essential equipment (site trailers, materials storage, etc.) to be located outside of flood hazard
- Weather and flood monitoring plans and protocols
- Contingency plan required by contractor to demobilize all personnel and equipment from flood hazard as required

Preliminary Preferred Design Concept Etobicoke Creek Connection



Preliminary Preferred Design Concept TRCA Input & Clarifications

Class EA Study

1. Study has selected 1B following detailed investigations and multi criteria evaluation appropriate for a Schedule C Class EA
2. Natural Environment Impact Assessment will be prepared for the preferred 1B
3. Can the sewer be constructed as proposed? – technically yes
4. Can the two sewers be protected against scour and if so, how? – theoretically yes as outlined in Hazard Study
5. Does TRCA have preferred erosion protection measures that should be documented in the ESR to support detailed design?
6. TRCA concerns and stakeholder input will be documented in the ESR
7. Region is committed and will document the need for further studies, investigations and coordination with TRCA to support detailed design and permits and approvals

Detailed Design Commitment

1. Will the protection have impact up and downstream to creek, trails, restoration projects – can you mitigate and how? – theoretically yes, detailed design stage to confirm to support permits and approvals
2. Is the Region willing to accept the risk of connecting to existing, building new and mitigating against hazards? - yes

Preliminary Preferred Design Concept Detailed Design Requirements

The ESR will include commitments for the next stage of the project. Detailed design will address the following:

- **Feasibility of Construction**
 - Construction methodology for installation of pipe / diverting flows (e.g., coffer damming, etc.) will be selected during detailed design
- **Scour Protection of Proposed and Existing Sewer**
 - Design of scour mitigation measures will be selected during detailed design
- **Impacts to Upstream / Downstream of Creek**
 - Assessment of impacts upstream and downstream of proposed works will be conducted during detailed design
 - Mitigation measures will be identified to minimize/avoid impacts
- **Risk Assessment**
 - Region can include improvement/reinforcement works of existing infrastructure during construction of proposed sewer to benefit the environment.

Preliminary Preferred Design Concept Overview of TRCA Comments

Summary of TRCA Comments

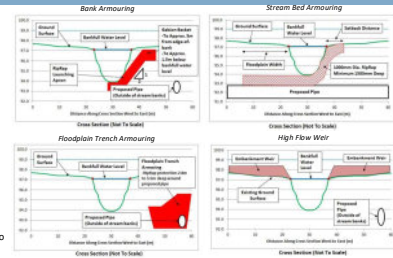
1. Concern about the feasibility of the construction
2. Risk of the creek impacting the proposed and existing sewers
3. Concern about the impact of required mitigation measures at the creek
4. Implementation and appropriate monitoring at the site to ensure emergency situations do not arise that will impact the creek, trails and restoration

ITEM	TRCA COMMENTS (May 25, 2021)	PROponent/CONSULTANT RESPONSE (INSERT DATE)
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5.	As staff noted previously, there is the potential for the creek to impact the proposed (and the existing) sanitary trunk as a result of lateral movement or bed undercutting. However, due to the nature of the proposed works, staff would suggest the Region determine the implications associated with the proposed trunk connection and assess the risk they are willing to accept considering the likelihood of the infrastructure being exposed in the long-term.	

Preliminary Preferred Design Concept EA Requirements

The Class EA process has selected the preferred route and shaft locations. The following has been reviewed as part of the EA process:

- **Feasibility of Construction**
 - Project design team & external contractor support the constructability of the proposed pipe (open cut and tunnelled sections) from a technical perspective
 - Existing sewer was built under similar conditions
 - Similar construction has been completed at other locations
- **Scour Protection of Proposed and Existing Sewer**
 - Scour assessment identified scour mitigation measures
 - Does TRCA have preferred erosion/scour protection measures (can be documented in ESR)?
- **Risk Assessment**
 - Connection to existing sewer at Etobicoke Creek is required
 - Based on proposed (and theoretical) mitigation measures and commitment to further investigations, Region is willing to accept the risk
- **Natural Environment Impacts**
 - A Natural Environment Impact Assessment will be completed during the EA on the preferred design concept (1B) and will include potential impacts to the surrounding natural features and recommendations for mitigation measures to avoid, minimize and if required, compensate for effects of the proposed works on the existing natural environment



Preliminary Preferred Design Concept Impacts and Mitigation Measures

Working In/ Nearby Water

- Mitigation measures will be implemented for scour protection and fluvial hazards
- Sediment and erosion measures will be implemented to minimize bank erosion and downstream siltation
- Construction activities to occur outside of fish reproductive periods
- Mitigation measures will be implemented when working within the floodplain
- TRCA permit will be required for works within floodplains and valleys

Temporary Removal of Vegetation

- Tree and vegetation removal will be minimized, where possible
- Standard tree protection measures will be implemented, where required
- Impacts to individual trees and restoration measures will be identified during detailed design.
- Disturbed areas will be restored to previous or improved conditions

Resident & Community Safety

- Construction access will be fenced off and shaft areas enclosed with solid wood boarding
- Construction operations will occur during day shift and in accordance with municipal noise by-laws
- Vibration monitoring pre- construction and during construction to ensure structural integrity of neighboring building and structure
- Relocation of pedestrian sidewalks and multi-use trails, where required

Groundwater & Soil Contamination

- Groundwater dewatering may be required and will be carried out in accordance with the hydrogeological assessment, and conforming to the Ministry of Environment, Conservation and Parks (e.g., Permit to Take Water) and Conservation Authority (e.g., TRCA, CVO) requirements
- Soil contamination will be avoided by proper handling and maintenance of construction equipment
- Contingency plan will be prepared and will include the control, cleanup and disposal of a spill or contaminated soil

Traffic

- Access to tunnel shaft areas will be controlled and gravity sewer will be constructed by tunneling within the existing road right of way
- Comprehensive Traffic Management Plan will be prepared
- Impact to public transit will be minimized through temporary relocation of bus stops
- Access disruption to businesses, institutions, residences will be minimized, and advanced notification will be provided



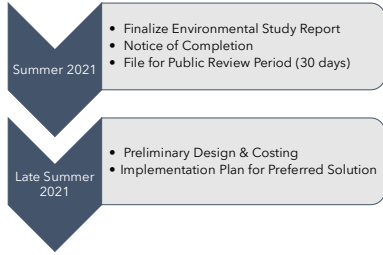
Floodplain Protection Measures

What Are the Next Steps? Class EA Process

Next Steps:

- ❖ PIC No. 2 - June 22, 2021
- ❖ Review comments from PIC No. 2
- ❖ Confirm preferred design concept
- ❖ Complete additional technical studies on the preferred design concept:
 - Natural Features Assessment
 - Geotechnical Study
 - Hazard Assessment (Cooksville Creek)
- ❖ Prepare Environmental Study Report

Schedule:





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 Vaughan ON L4K 4M3
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Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.:	718018																												
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Emma Benko (EB)																															

A copy of the PowerPoint presentation was provided to meeting participants, these minutes supplement the presentation.

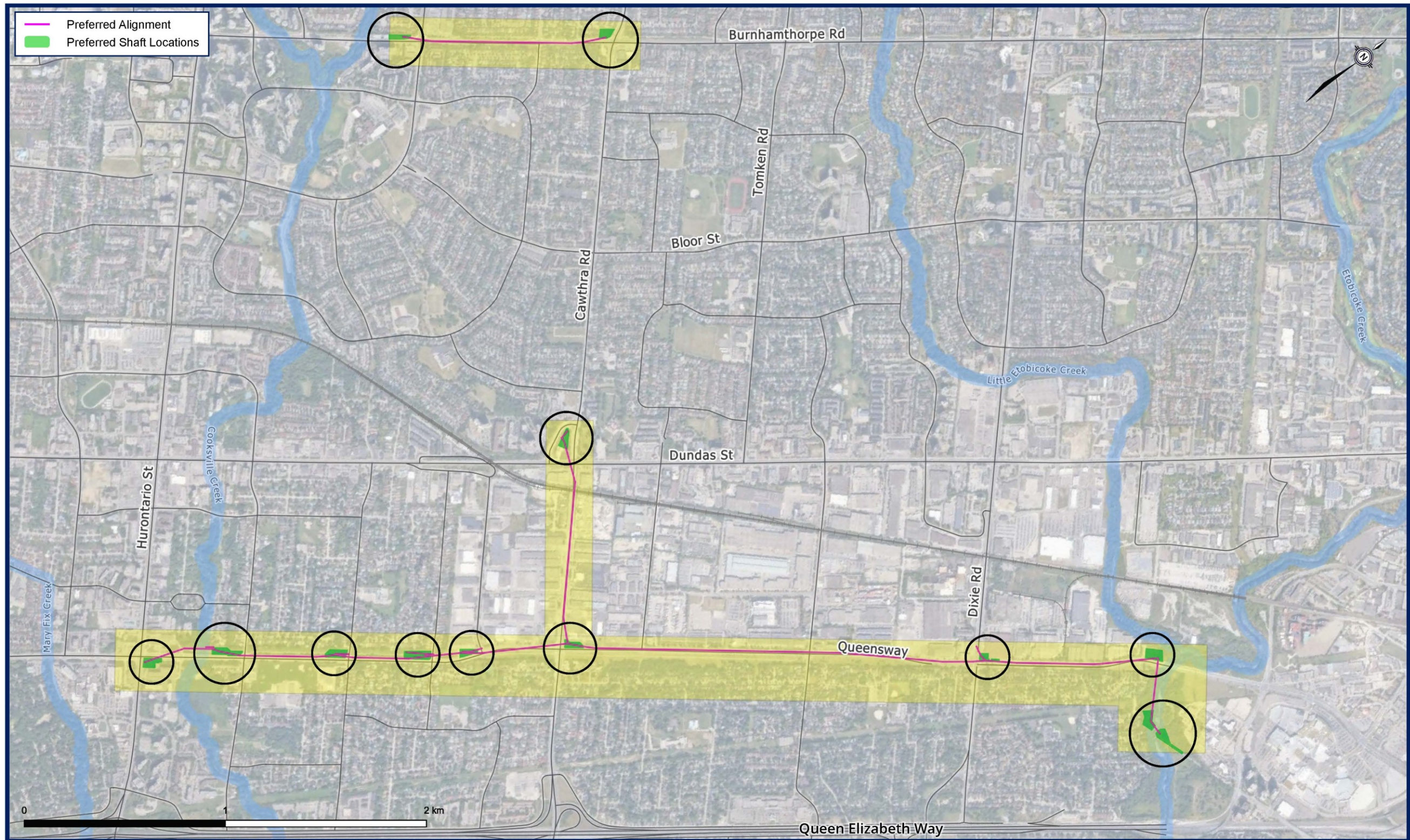
Item	Actions
<p><u>Site 1B Construction Methodology</u></p> <ol style="list-style-type: none"> Completed hazard assessment recommended a 3.7m burial depth at creek. Depth of pipe at Etobicoke Creek is fixed due to required connection to the existing sewer at Queensway/Hurontario (upstream point) and Etobicoke Creek/Sherway (downstream point). <i>See attached for the overview of the preliminary preferred solution.</i> Site 1B west will not have any long-term infrastructure; no access will be required once construction is completed and site will be restored to previous conditions. Site 1B east will have long-term infrastructure; access will be required for future operations/maintenance once construction is completed. 	
<p><u>EA Decisions/Commitments</u></p> <ol style="list-style-type: none"> GMBP will submit a formal response to TRCA comments with supporting information based on the discussions at this meeting. Region Capital Works team working on interconnecting new sewers (west to east and north to south) with key existing sewers within Peel to optimize the wastewater system. Region understands the proposed works at Site 1B are in a sensitive location in terms of natural environment, however there is a need to connect to the existing sewer (East Trunk) within the Etobicoke Creek Valley. A Natural Environment Impact Assessment will be completed on Site 1B to identify the impact to natural features and provide mitigation measures. 	1.GMBP

<u>Detailed Design Commitments</u>	
<ol style="list-style-type: none"> 1. TRCA typically recommends armouring for existing infrastructure rather than new infrastructure, however, the proposed works at Site 1B will allow an opportunity to reinforce the existing connecting sewer to ensure it is protected against future scour and erosion. Region will work with TRCA during detailed design to evaluate/select the most preferred option for scour mitigation measures for both the proposed and existing sewers. 2. Region will continue consultation with TRCA to ensure all commitments required during Detailed Design are documented in the ESR to support future permitting/approvals 3. PIC 2 will proceed as scheduled on June 22, 2021. Notice will be forwarded to TRCA two weeks prior to PIC date. 4. GMBP to submit draft ESR to TRCA for review prior to 30-day public review period. 5. GMBP to send design drawings to TRCA for review. 	<p>2.GMBP 3.GMBP</p>

These minutes have been prepared by the undersigned. If there are any errors or omissions in these minutes, please contact the author as soon as possible.



GM BLUEPLAN ENGINEERING LIMITED



Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, August 20, 2021 1:04 PM
To: Suzanne Bevan
Cc: Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan; Borowiec, Laura; Pitura, Andrea
Subject: Peel Central Mississauga EA - TRCA Pre-PIC2 Consultation - Meeting Minutes
Attachments: 210601-PKG-TRCA Pre-PIC Meeting_Final.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Suzanne,

Good afternoon and hopefully all is well.

Please see the attached meeting minutes from our Central Mississauga EA – pre-PIC2 consultation on June 1st, 2021. Can you please also forward the minutes to your colleagues as required.

If you have any questions / comments or if we've missed anything, please feel free to connect.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Suzanne Bevan <Suzanne.Bevan@trca.ca>
Sent: Monday, December 06, 2021 8:03 AM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; Lee, Justin; Borowiec, Laura
Subject: RE: Peel Central Miss EA (CFN 61697)- Draft ESR Review

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sandra,
Thank you for the submission.

Please note that we will review within the SLA timelines which does not include December 20 – 31st.

Thank you,
Suzanne

Suzanne Bevan, B.Sc. (Hons), ENV SP

Senior Manager

Infrastructure Planning and Permits – Peel/York | Development and Engineering Services

T: (416) 661-6600 ext. 5759

C: (647) 924-5467

E: suzanne.bevan@trca.ca

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



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: December 3, 2021 7:52 PM

To: Suzanne Bevan <Suzanne.Bevan@trca.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>

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This link will be available for the next 21 days

Please provide your team's comments by January 10th, 2022 for consideration before project filing.

Let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sent: Tuesday, January 11, 2022 8:30 AM
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Cc: Chris Campbell - GM BluePlan; Lee, Justin; Borowiec, Laura; Shirin Varzgani
Subject: RE: Peel Central Miss EA (CFN 61697)- Draft ESR Review

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Sandra Anastasio - GM BluePlan

From: Shirin Varzgani <Shirin.Varzgani@trca.ca>
Sent: Tuesday, January 11, 2022 4:31 PM
To: Sandra Anastasio - GM BluePlan
Cc: Suzanne Bevan; Chris Campbell - GM BluePlan; justin.lee@peelregion.ca; laura.borowiec@peelregion.ca; Adam Miller; Trina Seguin; Alistair Jolly
Subject: FW: Peel Central Miss EA (CFN 61697)- Draft ESR Review - TRCA Response
Attachments: CFN 61697 - Peel Central Wastewater Capacity Improvement_Draft ESR Report - TRCA Response_Jan 6-2022.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sandra,

As per Suzanne's email below, please find attached TRCA Response letter for the above-noted.

Thank you and kind regards,

Shirin Varzgani, MIP, MES (Pl.) (she, her, hers)
Senior Planner
Infrastructure Planning and Permits | Development and Engineering Services

T: [\(416\) 661-6600](tel:(416)661-6600) ext. 5785

E: shirin.varzgani@trca.ca

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



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Let me know if you have any questions.

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Sandra

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Sandra Anastasio - GM BluePlan

From: Suzanne Bevan <Suzanne.Bevan@trca.ca>
Sent: Wednesday, February 02, 2022 5:42 PM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; Lee, Justin; Shirin Varzani
Subject: RE: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion

Follow Up Flag: Follow up
Flag Status: Flagged

Thank you Sandra.

I am forwarding this notice to Shirin Vargani, Planner.

Take care,
Suzanne

Suzanne Bevan, B.Sc. (Hons), ENV SP
Senior Manager
Infrastructure Planning and Permits – Peel/York | Development and Engineering Services

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



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: February 2, 2022 4:57 PM
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion

Hello,

Attached is a Notice of Completion for the Region of Peel Wastewater Capacity Improvements in Central Mississauga Schedule 'C' Municipal Class Environmental Assessment (EA). The Environmental Study Report (ESR) outlining the Class EA process and preferred solution will be available for a 30-day public review period beginning February 16th, 2022 and ending March 18th, 2022. Information on how to access the ESR is provided in the attached.

If you have any questions about the study, please contact the study's project manager, Justin Lee (contact information is provided in the attached Notice).

Best Regards,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT

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Sent: Thursday, February 10, 2022 1:58 PM
To: Shirin Varzgani; Suzanne Bevan
Cc: Chris Campbell - GM BluePlan; justin.lee@peelregion.ca; laura.borowiec@peelregion.ca; Adam Miller; Trina Seguin; Alistair Jolly
Subject: RE: Peel Central Miss EA (CFN 61697)- Draft ESR Review - TRCA Response
Attachments: 22-02-10 TRCA Comment Responses.pdf

Hi Shirin and Suzanne,

Thank you for providing your team's comments on the Central Mississauga ESR. Our team has considered your comments and updated the report accordingly. Please find attached our comment responses.

The ESR will be available for public review from February 16th to March 18th, 2022 on the Region's project webpage: <https://www.peelregion.ca/pw/water/enviro-assess/scheduled-c-class-environmental-assessment.asp>

Please let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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Sent: December 3, 2021 7:52 PM

To: Suzanne Bevan <Suzanne.Bevan@trca.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>

Subject: Peel Central Miss EA (CFN 61697)- Draft ESR Review

Hi Suzanne,

The Region of Peel is planning on filing the Environmental Study Report (ESR) for the Wastewater Capacity Improvements in Central Mississauga EA (CFN 61697) early in the New Year. We would like to provide TRCA with the opportunity to review the Draft ESR before the public review period. I have included a link below to the Draft ESR.

https://sendafile.gmblueplan.ca/public_uploads/2021-12-04_004803_2021-12-03_Peel_Central_Mississauga_EA_DRAFT_ESR_Stakeholder_Review.zip

This link will be available for the next 21 days

Please provide your team's comments by January 10th, 2022 for consideration before project filing.

Let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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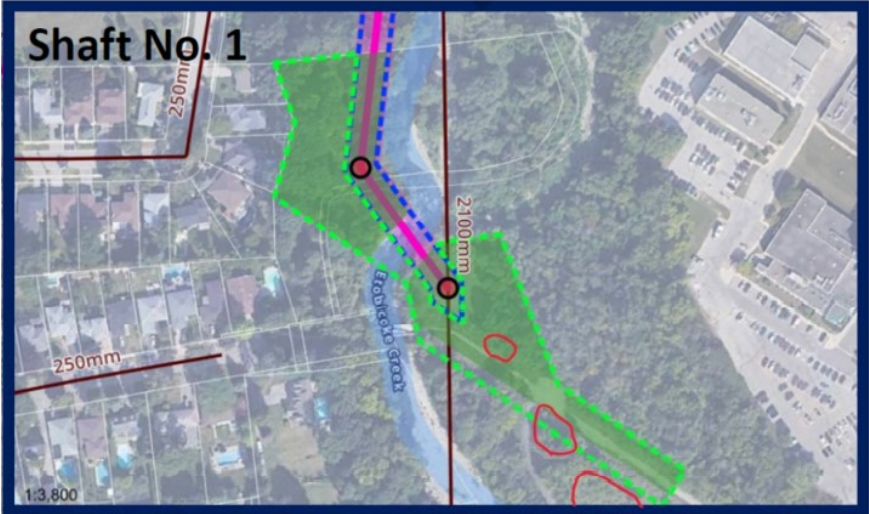
APPENDIX A: TRCA COMMENTS AND PROPONENT RESPONSES

ITEM	TRCA COMMENTS (January 6, 2022)	GM BLUEPLAN RESPONSE (February 10, 2022)
Geotechnical		
1	<p>The report is preliminary report based on the available information. Due to the nature of the work and as recommended in the geotechnical report, a detailed geotechnical report, a detail geotechnical study is required. Detailed comments will be provided during detailed design.</p> <p>a) The detailed geotechnical study is required in support of the proposed undertaking to assess the ground condition along the alignment and to provide the geotechnical design recommendations for the various components of the proposed undertaking;</p> <p>b) Where the valley slopes exist, the slope stability and erosion hazard assessment is required to ensure that the proposed work is not undermined by erosion hazard in long-term or does not destabilize the valleys. The position of the Long-Term Stable Top of Slope needs to be delineated with a minimum safety factor of 1.50 to define the setback required from the existing top of bank/slope;</p>	<p>Detailed geotechnical investigations (including the delineation of the long-term stable top of slope) will be completed as part of the Detailed Design stage of the project.</p> <p>Geotechnical investigation requirements have been added to Section 9.3 (Design Commitments - Geotechnical Investigations) in the ESR.</p>
Planning Ecology		
2	<p>The draft ESR notes that the Etobicoke Creek Evaluation Process Tech Memo is provided in Volume 3, Appendix C. However, no appendices are included in the draft ESR. This information is necessary to determine the selection of Alignment 1 over Alignment 2, which removed a large portion of the infrastructure out of the valley and poses significantly less impacts to the NHS.</p>	<p>Appendices were included in the initial submission (confirmed through Comment #7 where Appendix A is referenced). A new link has been sent to TRCA review team (January 11, 2022) in case some team members were not forwarded full package.</p> <p>TRCA also completed a review of Phase 1-3 including the Etobicoke Creek Evaluation Process Tech Memo in April 2021 (TRCA comments received on May 25, 2021).</p>
3	<p>Section 7.2 of the Natural Environment Reports Preferred Solution report notes " surveyed portions" of the forest on the east side of the creek, and that the west side of Etobicoke Creek was not surveyed. Please note that to determine impacts to the Natural Heritage System (MHS), a full survey of the project area</p>	<p>Detailed natural environment investigations (including survey of any areas not completed during the EA) will be completed as part of the Detailed Design stage of the project.</p>

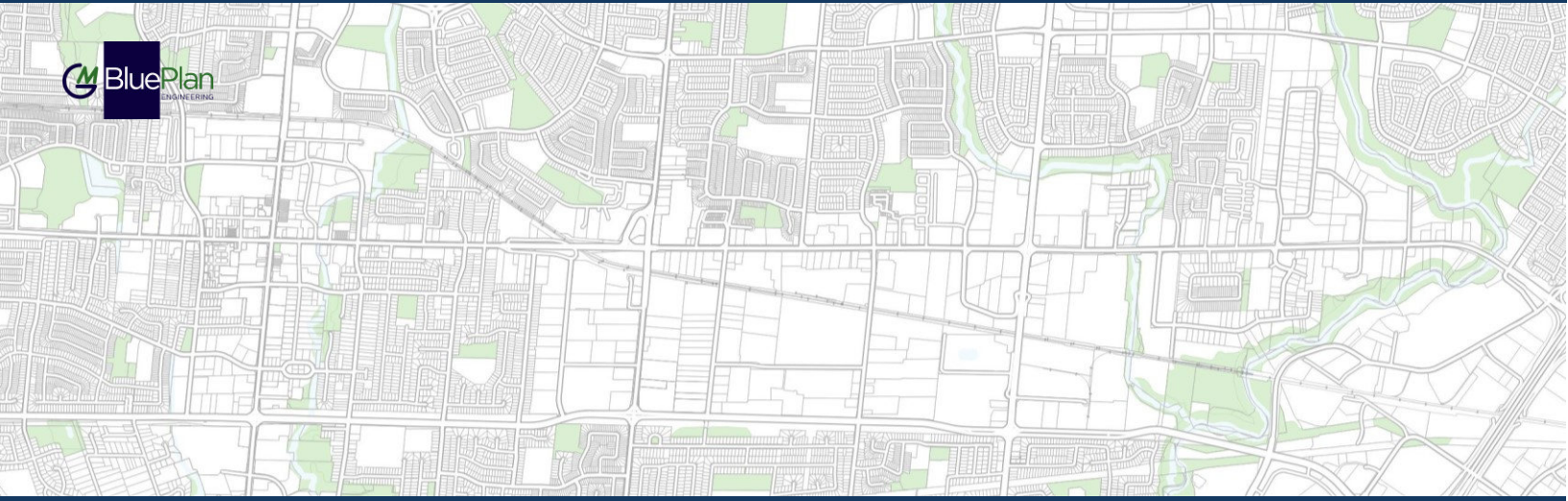
	is required. Please provide surveys for the entirety of both east and west sides of Etobicoke Creek.	<p>A tree screening report was completed as part of the EA to ensure Site 1 did not include any significant tree/plant species and Species at Risk on both the west and east side (Volume 2, Appendix A). A detailed tree inventory will be completed during detailed design for each of the shaft locations.</p> <p>Additional reference has been included in Section 9.2 (Design Commitments - Natural Environment) in ESR.</p>
4	<p>Section 7.2 of the Natural Environment Reports Preferred Solution report indicates that areas of deciduous forest proposed to be removed are part of large forest complexes that extend for multiple kilometres along the Etobicoke Creek to the north and south, and are therefore proportionally very small. This is the extent of justification provided in this section for the impacts and removals required for this alternative. As is this approach to natural heritage system planning is not inconsistent with the intent of TRCA's the Living Policies (LCP) (2014). Viewing each relatively small project on a large geographical scale can significantly alter and sway the conclusion of any assessment, especially when the entire project area has yet to be surveyed. Accordingly, as notes in comment #3 (above), please provide a complete survey of the project area, including vegetation surveys, Significant Wildlife Habitat *SWH), and Species At Risk (SAR) assessments. Using this data, please clarify how this preferred alternative will not pose a significant impact and removals of the NHS. Please note that TRCA may have additional comments upon submission of completed surveys at detailed design.</p>	<p>Detailed natural environment investigations (including survey of any areas not completed during the EA) will be completed as part of the Detailed Design stage of the project.</p> <p>A tree screening report was completed as part of the EA to ensure Site 1 did not include any significant tree/plant species and Species at Risk on both the west and east side (Volume 2, Appendix A). A detailed tree inventory will be completed during detailed design for each of the shaft locations.</p> <p>Additional reference has been included in Section 9.2 (Design Commitments - Natural Environment) in ESR.</p>
TRCA Property Under a Management Agreement with the City of Toronto		
5	<p>Please note that the TRCA owns the land along the Etobicoke Creek on which the shaft Option 1B South (Sherway) site is located.</p> <p>a) Preferred Site 1B East is on property in the City of Toronto, owned by TRCA, managed by the City of Toronto (PIN 07567-0134). In addition to</p>	<p>Section 7.2.4 (Other Design Considerations - Property) indicates that Shaft 1 is partially owned by TRCA and City of Mississauga. City of Toronto has been identified as a property owner and was</p>

	<p>TRCA technical staff review and permits, any work on this property will also be subject review and approval from the City of Toronto.</p> <p>b) Permission for temporary access to property managed by the City of Toronto is obtained from the City of Toronto. Please contact the City of Toronto Parks staff for Permission to Enter (PTE) requirements.</p> <p>c) Permanent easement interests are obtained from TRCA and require Board of Directors approval. Please allow a minimum of six months for this approval process. Please contact TRCA Property staff for further requirements.</p>	<p>consulted during the Class EA (Correspondence included in Volume 1, Appendix G). Further property/permitting consultation with the City of Toronto will be completed during the detailed design stage.</p> <p>Additional reference to City of Toronto property easement requirements added to Section 7.2.4 (Other Design Considerations - Property) including Table 20 and Table 28.</p>
6	<p>Please note that Etobicoke Creek Trail is located just south of TRCA lands in this area and connects along Sherway Drive on both sides of the Etobicoke Creek. The City of Toronto manages the trail in this immediate area so coordination with the City of Toronto should also take place on the detailed design.</p>	<p>City of Toronto has been identified as a property owner and was consulted during the Class EA (Correspondence included in Volume 1, Appendix G). Further property/permitting consultation with the City of Toronto will be completed during the detailed design stage.</p>
7	<p>a) In 'Appendix A - Communication and Consultation Plan' in Volume 1 - Public Consultation shows that the City of Toronto has not been included, but there is access and works required not only on land managed by the City, but also land owned by the City of Toronto. However, in 'Appendix B - Study Contact List' there are contacts from the City of Toronto (Parks and Real Estate). Please ensure consistency in all reports and ensure that the Region is in contact with appropriate agency for any/all requirements, including the City of Toronto and the City of Mississauga (for works on west side of the Creek).</p> <p>b) Please ensure contact the City of Toronto, City of Mississauga and TRCA staff regarding property requirements. Please ensure updated and accurate staff contact information in all reports.</p>	<p>City of Toronto has been identified as a property owner and was consulted during the Class EA (Correspondence included in Volume 1, Appendix G). Further property/permitting consultation with the City of Toronto will be completed during the detailed design stage.</p> <p>City of Toronto has been added to Volume 1, Appendix G (Communication and Consultation Plan) to ensure consistency with the Contact List.</p>
Trails and Connectivity		
8	<p>Please note that the Etobicoke Creek Trail is a component of the Greater Toronto Regional Trail Network put forth in TRCA's Trail Strategy for the Greater</p>	<p>Trail relocation at Shaft 1 may be required during construction and will be confirmed during Detailed</p>

	Toronto Region , and is part of Ontario's Province-wide Cycling Network . Please refer to the documents in the links for further information.	Design. Once construction is complete, trails will be restored to pre-construction condition or better. A reference to the TRCA's Trail Strategy has been added in Section 3.3 (Ongoing and Future Infrastructure Projects).
9	TRCA supports the assessment that there is the opportunity to improve permanent access to pedestrian/cycle path through project. <ul style="list-style-type: none"> ▪ This should be coordinated with City of Toronto who manages the TRCA land in the proposed shaft location and the existing Etobicoke Creek Trail in this area. ▪ This should also be coordinated with the City of Mississauga who could create further connections to the existing Etobicoke Creek Trail. 	Section 9 (Design Commitments) notes that further communication and consultation with the City of Mississauga, City of Toronto and TRCA is required during the detailed design stage to confirm the design at Shaft 1. The "opportunity to improve access to multi-use trail at Shaft 1" has been added to Section 8.2 (Impacts Mitigation and Monitoring Measures).
Restoration and Compensation		
10	Based on the figures showing the extents of site impacts at Shaft 1 east of the Etobicoke Creek, please note that the TRCA Restoration Service staff undertook Sherway Trail Community Plantings and Community Restoration Plantings associated with community based invasive species management in the approximate areas as marked by red lines:	A reference to TRCA's Sherway Trail Community Plantings and Community Restoration Plantings has been added to Section 3.3 (Ongoing and Future Infrastructure Projects).



Please explore possibilities for limiting the extents of impacts from the proposed works in this area. TRCA staff looks forward to working with the Region of Peel staff to work out compensation for impacts on TRCA lands.



REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Government Agency Consultation

City of Mississauga



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Meeting Agenda

Project:	Wastewater Capacity Improvements for Central Mississauga Class EA	Project No.: 718018
Meeting:	City of Mississauga Introductory Meeting	
Date:	Thursday, June 27, 2019	Time: 10:00 – 11:00 am
Location:	201 City Centre Drive, Mississauga, 8th Floor, Ontario Room Boardroom	
Attendees:		
<u>Region of Peel</u> Laura Borowiec	<u>City of Mississauga</u> Auryn Soares	<u>GM BluePlan</u> Chris Campbell Sandra Anastasio

Agenda Items

1. Safety Minute & Introductions
2. Meeting Objectives
3. Team Communications
4. Study Area & Objectives
5. Workplan Overview & Approach
6. Timeline & Key Milestones
7. Project History & Technical Visioning
8. Existing Conditions
9. Communication Goals & Objectives
10. Request for Information

Schedule 'C' Municipal Class EA for the Wastewater Capacity Improvements for Central Mississauga

Study Introduction – City of Mississauga
June 27, 2019

AGENDA

1. Safety Minute & Introductions
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6. Timeline & Key Milestones
7. Project History & Technical Visioning
8. Existing Conditions
9. Communication Goals & Objectives
10. Request for Information

Meeting Objectives

1. Discuss study objectives
2. Ensure communications and next steps are clear
3. Discuss workplan and timelines for key milestones
4. Discuss project history and preliminary visioning

TEAM COMMUNICATIONS

Key Internal Communications Contacts

- **Peel:** Laura Borowiec (Project Manager), Maria Andersen (Communications Specialist)
- **GMBP:** Chris Campbell (Project Manager, EA Lead), Sandra Anastasio (EA Support & Project Coordination)
- **COM:** Auryn Soares (Environmental Services)

Communication

- Confirm protocols and day to day contact

STUDY AREA BACKGROUND

Study Area

- Confederation Pky, Little Etobicoke Cr, QEW
- Cooksville & CPR Trunks Focus

Existing challenges

- Aging, complex interconnections, lack of operational flexibility, wet weather impact, flooding, capacity constraints, access limitations

Project Future Growth

- MCC, Hurontario, Dundas Corridor will require capacity

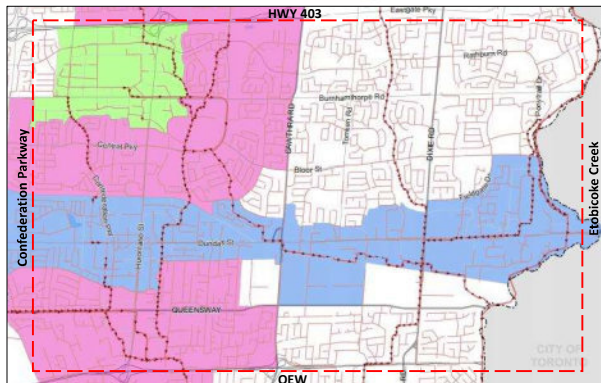


Figure 1 Trunk Sewer System in the Vicinity of the Existing Trunk Sewer

STUDY AREA – CENTRAL MISSISSAUGA

Intensification Areas

- Dundas Corridor
- MCC
- Hurontario Corridor



STUDY OBJECTIVES

Develop an integrated wastewater strategy for the Central Mississauga system to achieve operational flexibility which will enable:

Capacity for growth

- Where will growth occur and what are the impacts?
- What is the optimum solution?

Other Considerations:

Consider wet weather impact

- Where are the main wet weather areas of concern?
- What areas may get worse?
- How best to consider impact and plan for it?

Maintenance and inspection

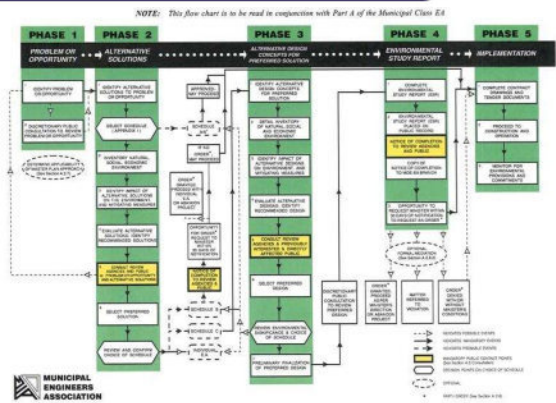
- What are the needs?
- How will we maintain/inspect?
- How can the plan facilitate?

Rehabilitation

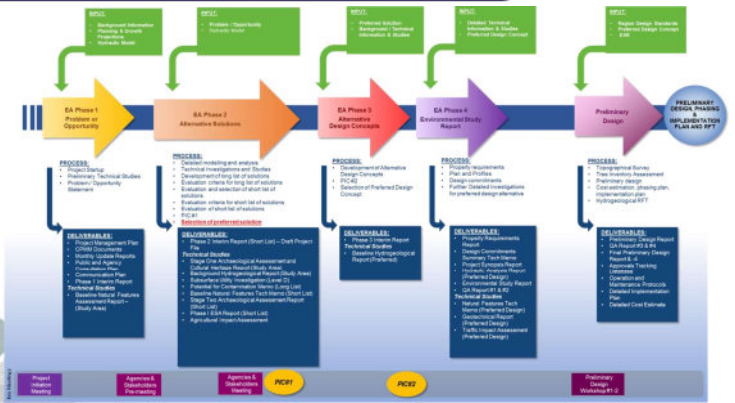
- How will the plan enable rehabilitation?



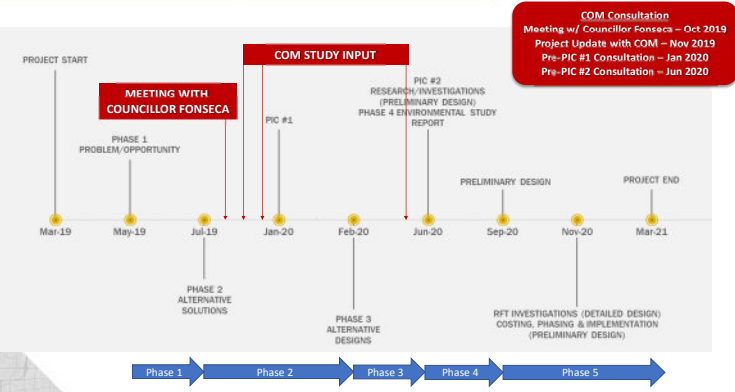
EA PROCESS AND CONSULTATION REQUIREMENTS



WORKPLAN OVERVIEW



TIMELINE & KEY MILESTONES

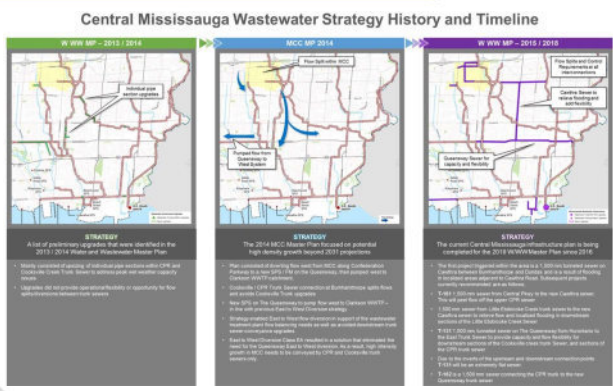


PROJECT UPDATE



- Notice of Commencement - Thursday, May 30th
- Public and Agency Consultation Plan
- Wastewater Model
- Baseline Discipline Review (Desktops) – Study Area:
 - Natural Environment (Golder)
 - Archaeology (Golder)
 - Cultural Heritage (Golder)
 - Hydrogeology (GMBP)
 - Socio / Economic / Land use (GMBP)
- Technical Baseline

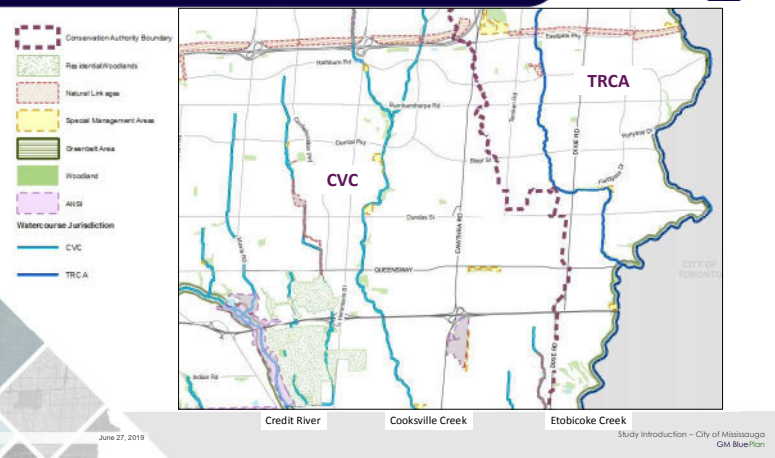
PROJECT HISTORY



TECHNICAL VISIONING



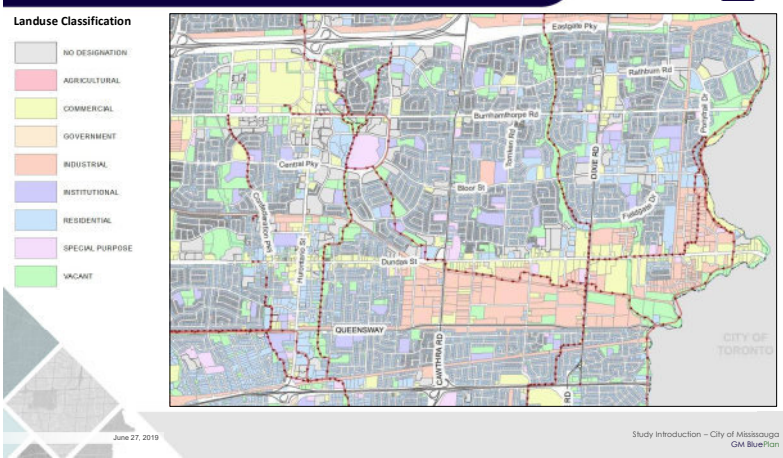
ENVIRONMENTAL CONSTRAINTS



June 27, 2019

Study Introduction - City of Mississauga
GM BluePlan

EXISTING LANDUSE



June 27, 2019

Study Introduction - City of Mississauga
GM BluePlan

COMMUNICATION GOALS AND OBJECTIVES



Goals and Objectives include:

- Meet all legislative requirements for Schedule C Class Environmental Assessments (EAs)
- Build awareness and understanding of EA study and purpose
- Promote active public participation in Public Information Centres (PICs), community events and online feedback mechanisms
- Mitigate project risks
- Build a foundation for future success
- Educate and enhance project understanding and buy-in
- Incorporate the City in project
- Ensure consultation with the City & other key agencies at key milestones
- Communication of key messaging to Council

June 27, 2019

Study Introduction - City of Mississauga
GM BluePlan

REQUEST FOR INFORMATION



- City-owned Road Condition / Planned Projects
- City-owned Storm Sewers and Condition / Planned Projects
- Existing or on-going Class EA Studies within study area
- Natural Environmental Features
- Utility Locations
- Heritage/Archaeological Features
- Areas of cultural significance
- Other

June 27, 2019

Study Introduction - City of Mississauga
GM BluePlan



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Meeting Minutes

Project:	Wastewater Capacity Improvements for Central Mississauga Class EA	Project No.:	718018
Meeting:	City of Mississauga Introductory Meeting		
Date:	Thursday, June 27, 2019	Time:	10:00 – 11:00 am
Location:	201 City Centre Drive, Mississauga, 8th Floor, Ontario Room Boardroom		
Attendees:			
<u>Region of Peel</u>	<u>City of Mississauga</u>	<u>GM BluePlan</u>	
Laura Borowiec (LB) ✓	Auryn Soares (AS) ✓	Chris Campbell (CC) ✓ Sandra Anastasio (SA) ✓	

Item	Actions
1. Key Contacts	1.1 Decision
1.1 AS is the key contact for the City of Mississauga – AS will distribute materials and information to the broader City team	1.2 Decision
1.2 CC, LB and SA to be included on all project correspondence	1.3 AS
1.3 AS to provide a list of departments that would be involved in this study (flow diagram)	1.4 CC / LB
1.4 Discussion required to determine if all Councillors should be included in the contact list	1.5 SA
1.5 SA to send AS the key contacts for TRCA and CVC	
2. Stakeholder Consultation / Study Area	2.1 SA
2.1 SA to provide City with delineated catchment of the study area	2.2 AS
2.2 AS to send contact information for City Communications Lead	2.3 Peel
2.3 Maria Anderson to contact COM communications lead to discuss incorporating City branding “Building Downtown Together” (similar to Burnhamthorpe Watermain)	2.4 Information
2.4 Potential PIC locations to consider (will narrow down based on alternatives/shaft locations) – Libraries, Schools, Living Arts Centre, COM Building, Community Centres	2.5 GMBP

<p>2.5 Indigenous Communities – Through the project, GMBP will extend invitation to the named communities for involvement in EA process</p>	
<p>3. Meetings with the City</p> <p>3.1 Project Update Meeting (Nov 2019) – update the City on project to date and discuss preliminary alternatives (to include broader City team)</p> <p>3.2 Pre-PIC #1 Meeting (Jan 2020) – discuss the material to be presented at PIC #1 (to include broader City team)</p> <p>3.3 Pre-PIC #2 Meeting (June 2020) – discuss the material to be presented at PIC #2 (to include broader City team)</p>	<p>3.1 Information</p> <p>3.2 Information</p> <p>3.3 Information</p>
<p>4. Request for Information</p> <p>4.1 GMBP to provide RFI list to support the project</p>	<p>4.1 GMBP</p>



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Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018																																							
Meeting:	City of Mississauga Consultation Meeting																																								
Date:	Monday, February 10, 2020	Time: 11:00 am – 12:00 pm																																							
Location:	City Office, 201 City Centre Drive, Mississauga, Brenda Sakauye Room																																								
Attendees:	<table><thead><tr><th><u>City of Mississauga</u></th><th><u>Region of Peel</u></th><th><u>GM BluePlan</u></th></tr></thead><tbody><tr><td>Auryn Soares</td><td>Laura Borowiec</td><td>Chris Campbell</td></tr><tr><td>Chris Rouse</td><td></td><td>Mark Zamojc</td></tr><tr><td>Alessandro Torresan</td><td></td><td>Sandra Anastasio</td></tr><tr><td>Marianne Cassin</td><td></td><td></td></tr><tr><td>Sheryl Badin</td><td></td><td></td></tr><tr><td>Alana Evers</td><td></td><td></td></tr><tr><td>Lin Rogers</td><td></td><td></td></tr><tr><td>Michael Hynes</td><td></td><td></td></tr><tr><td>Nancy Macdonald</td><td></td><td></td></tr><tr><td>John Dunlop</td><td></td><td></td></tr><tr><td>Bill Moffatt</td><td></td><td></td></tr><tr><td>Joe Perrotta</td><td></td><td></td></tr></tbody></table>		<u>City of Mississauga</u>	<u>Region of Peel</u>	<u>GM BluePlan</u>	Auryn Soares	Laura Borowiec	Chris Campbell	Chris Rouse		Mark Zamojc	Alessandro Torresan		Sandra Anastasio	Marianne Cassin			Sheryl Badin			Alana Evers			Lin Rogers			Michael Hynes			Nancy Macdonald			John Dunlop			Bill Moffatt			Joe Perrotta		
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Agenda Items

1. Introductions
2. Meeting Objective
3. Project History and Overview
4. Baseline Environmental Inventory
5. Evaluation Framework
6. Alternative Alignments
7. Preliminary Preferred Solution
8. City Considerations
9. Project Schedule and Next Steps

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

City of Mississauga Consultation
February 10, 2020

AGENDA

1. Introductions
2. Meeting Objective
3. Project History and Overview
4. Baseline Environmental Inventory
5. Evaluation Framework
6. Alternative Alignments
7. Preliminary Preferred Solution
8. City of Mississauga Considerations
9. Project Schedule and Next Steps

Meeting Objectives

- Overview of the EA evaluation process
- Discuss preliminary preferred solution
- Discuss City of Mississauga considerations

PROJECT HISTORY

Peel East to West Diversion EA (2014)

East to West diversion EA allows for the:

- Avoidance of East Trunk twinning (at Etobicoke Creek)
- Relief of downstream constraints
- Utilize capacity at both WWTP's



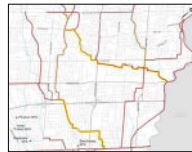
Peel Water & Wastewater Master Plan (Ongoing)

Identify preferred wastewater servicing strategies to support existing servicing needs and projected growth, including Central Mississauga



Peel Central Mississauga EA (Ongoing)

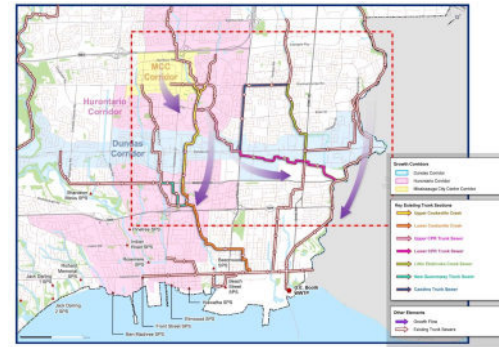
Investigate all servicing alternatives to improve capacity in key trunk sewers within the Central Mississauga study area.



STUDY PROBLEM / OPPORTUNITY STATEMENT

Study Problem / Opportunity Statement

"Increase the conveyance capacity of key trunk sewers to service future growth and ensure alignment with the Region's long-term plan for providing wastewater services within the Mississauga City Centre, Hurontario Corridor and Dundas Corridor areas."

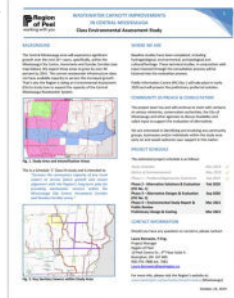


GENERAL ASSUMPTIONS

- The depth of the proposed sewers requires the use of tunneling as opposed to open cut method
 - ❑ Sewer depth driven by connection points
 - ❑ Sewer depth will avoid impacts to natural features
 - ❑ Each access shaft will require a staging area where construction equipment can be stored and excavated material can be brought to the surface to be hauled from the site in trucks
 - ❑ Staging areas will measure approximately 50 m x 50 m and will be fenced off. Once tunneling is completed, the staging area will be restored to its original condition or better
- The only surface works involved with tunnel construction are entrance/exit shafts located between tunnel drive lengths
 - ❑ Approximately 15 potential shaft locations for proposed solution

COMMUNICATIONS UPDATE

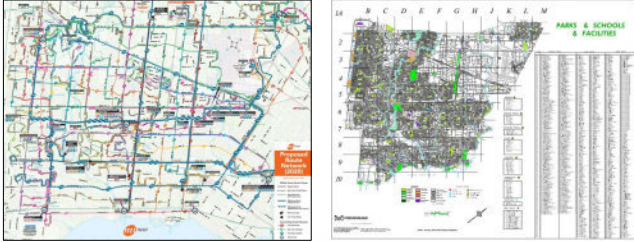
- First meeting with the City in June 2019 to introduce study
- Project updates were sent to:
 - Councillors
 - ✓ Stephen Dasko (Ward 1)
 - ✓ Chris Fonseca (Ward 3)
 - ✓ John Kovac (Ward 4)
 - ✓ Dipika Damerla (Ward 7)
 - Indigenous Communities:
 - ✓ Haudenosaunee Confederacy
 - ✓ Mississaugas of the Credit First Nation
 - ✓ Nation Huronne-Wendat
 - ✓ Six Nations of the Grand River
 - ✓ Alderville First Nation
 - ✓ Curve Lake First Nation
 - ✓ Hiawartha First Nation
 - ✓ Mississaugas of Scugog Island First Nation
 - ✓ Metis Nation of Ontario
- Consultation with other key stakeholder including TRCA, CVC, MTO and utilities



CITY INFORMATION



- The City has provided the following data for consideration in this study:
 - City's Capital Infrastructure Plan map
 - MiWay 2020 service map
 - Parks, schools & facilities map
 - Utility data including fibre optic infrastructure and traffic shapefiles



GM BluePlan
February 10, 2020

PROJECT OVERVIEW



- The following studies have been completed for this study:
 - ✓ Natural Features Assessment – Study Area & Short List
 - ✓ Cultural Heritage Assessment – Study Area
 - ✓ Archaeological Assessment – Study Area & Short List
 - ✓ Hydrogeological Study – Study Area

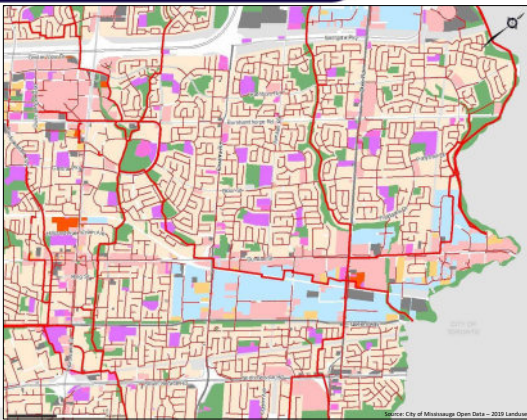


GM BluePlan
February 10, 2020

EXISTING LANDUSE



- General Features**
 - Other Municipal
 - Municipal
 - Freeways
 - Regional Roads
 - Major Roads
- Land Use Features**
 - Commercial
 - Community/Cultural
 - Industrial
 - Mixed Uses
 - Greenspace
 - Government
 - Institutional
 - Residential
 - Utility
 - Vacant

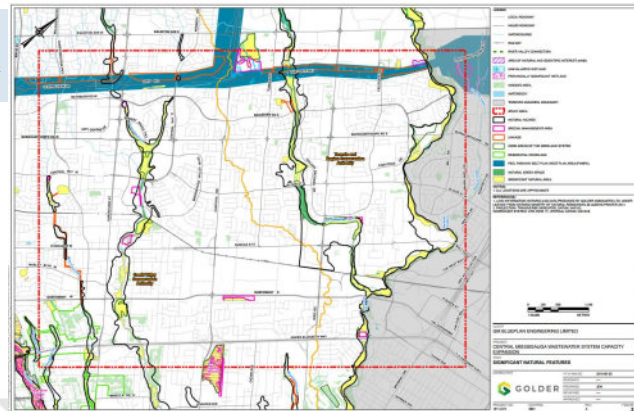


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February 10, 2020

BASELINE ENVIRONMENTAL INVENTORY

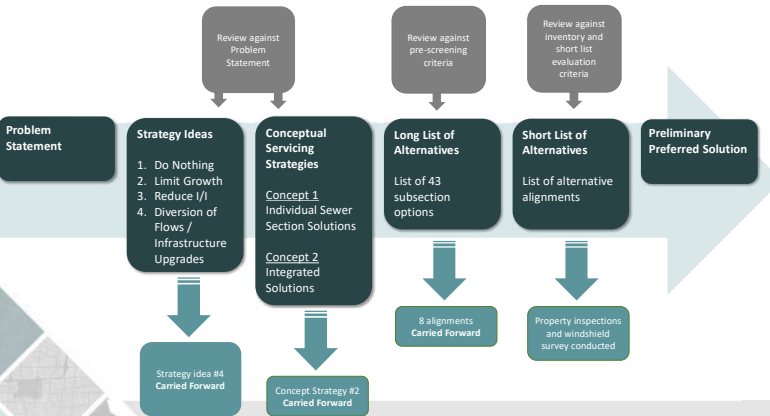


- Key features include:**
- Etobicoke Creek
 - Little Etobicoke Creek
 - Cooksville Creek



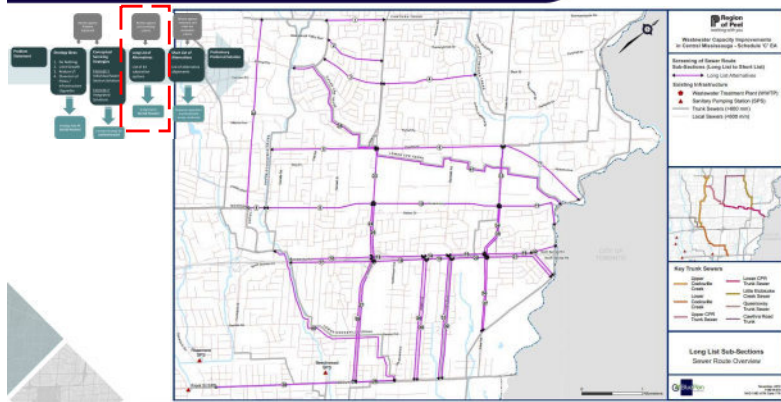
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EVALUATION FRAMEWORK – PHASE 1 & 2



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LONG LIST OF ALTERNATIVES



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February 10, 2020

LONG LIST SCREENING CRITERIA

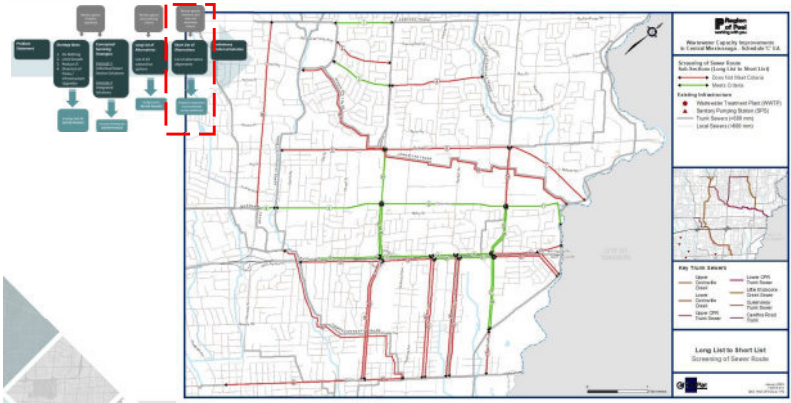


The following screening criteria was used to evaluate the long list of alternatives

1. Meets Problem Statement
2. Ability to service by gravity
3. Does not trigger additional capital upgrades
4. Maximize flexibility in flow conveyance and storage
5. Maximize use of existing / planned infrastructure
6. Preliminary constructability review; avoidance of unnecessary/unreasonable construction challenges:
 - o Maximize routes along road right-of-way (ROW) to minimize environmental / social impacts, where possible
 - o Avoidance of routes with extensive road ROW constraints (e.g. infrastructure, road width, local residential roads), where possible



SHORT LIST OF ALTERNATIVES

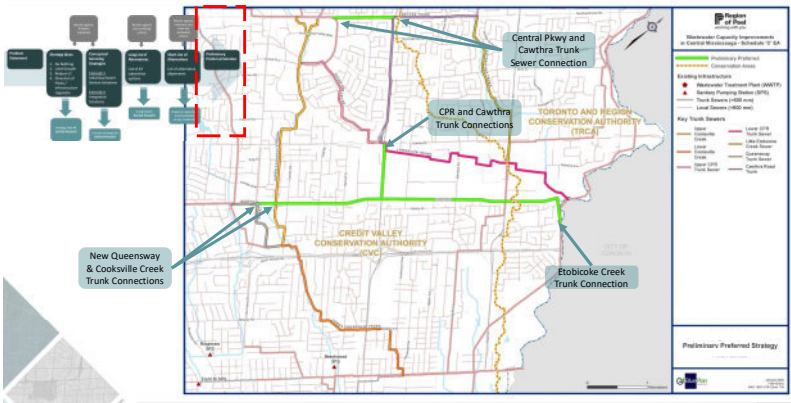


SHORT LIST EVALUATION CRITERIA OVERVIEW

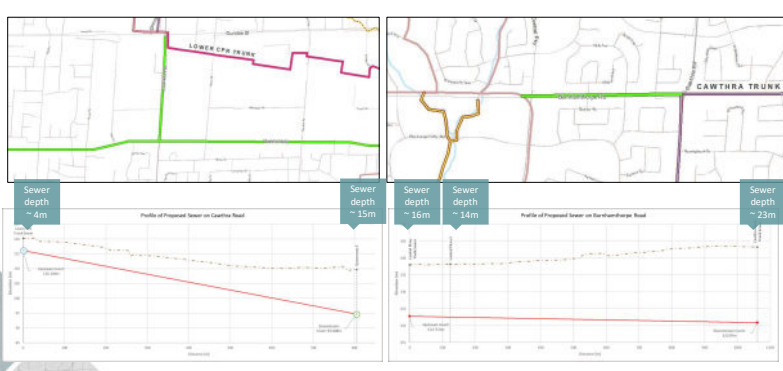


TECHNICAL CONSTRUCTIBILITY	TECHNICAL FLEXIBILITY	ENVIRONMENTAL	SOCIO-ECONOMIC AND CULTURAL	FINANCIAL	LEGAL / JURISDICTIONAL
<ul style="list-style-type: none"> Ease of construction Accommodates existing and utilizes infrastructure Conflicts or opportunities with recent / planned improvements Minimize environmental and infrastructure crossings 	<ul style="list-style-type: none"> Technical viability through ability to meet existing and future servicing needs Ease of access to maintain Flexibility of system operations and operational security Maximize flow flexibility 	<ul style="list-style-type: none"> Environmental crossing consideration Proximity to environmental features, protected areas, and species at risk Potential effects on water resources, air quality and natural features Geology, hydrogeology, contamination considerations 	<ul style="list-style-type: none"> Community and traffic considerations Noise, vibration, dust and odour considerations Cultural heritage resources Archaeological resources 	<ul style="list-style-type: none"> Capital costs Operation and maintenance costs Lifecycle cost consideration Consideration of potential financial risk during construction 	<ul style="list-style-type: none"> Land use, land size, availability, and location Permit requirements Ownership, legal and jurisdictional considerations Compliance with applicable planning and special land use policies

PRELIMINARY PREFERRED SOLUTION



BURNHAMTHORPE / CAWTHRA PROFILE



QUEENSWAY PROFILE



PRELIMINARY PREFERRED SOLUTION ADVANTAGES



The preliminary preferred solution will have the following key advantages:

ENVIRONMENTAL

- Queensway alignment reduces risk of sanitary overflows to Cooksville Creek
- Queensway alignment allows the option for in-line storage reducing the risk of sanitary overflows to waterways

TECHNICAL

- Opportunity for flow flexibility with the use of Real Time Control (RTC)
- Less overall constructability risks
- Lower construction accessibility constraints due to more/larger potential shaft locations on Queensway road ROW

SOCIAL

- Less potential for traffic impacts due to wider road right of way
- Less potential for construction impacts on residents (no front facing houses & portion of Queensway in industrial land use area)

Jurisdictional

- Less permit / approvals required
- More opportunity to use municipal owned lands

Financial

- Lower construction costs due to site availability/size

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POTENTIAL CITY CONSIDERATIONS



City Parks

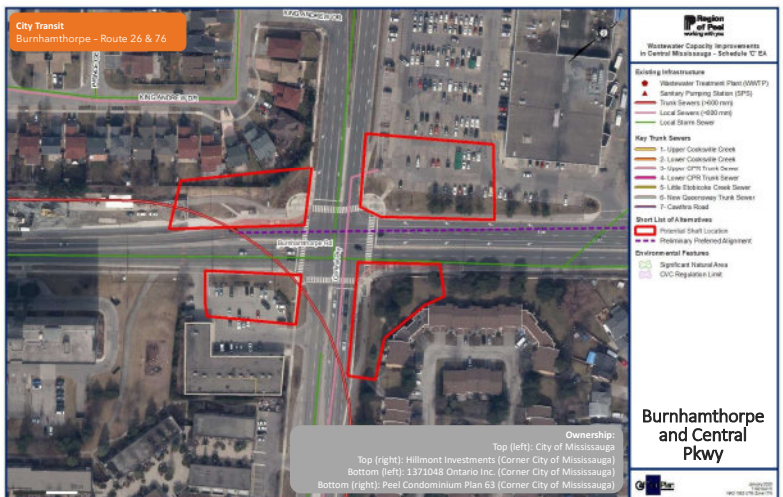
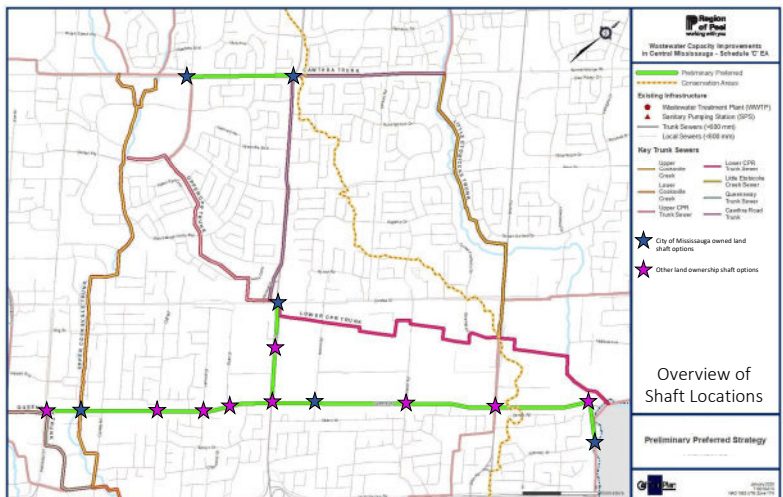
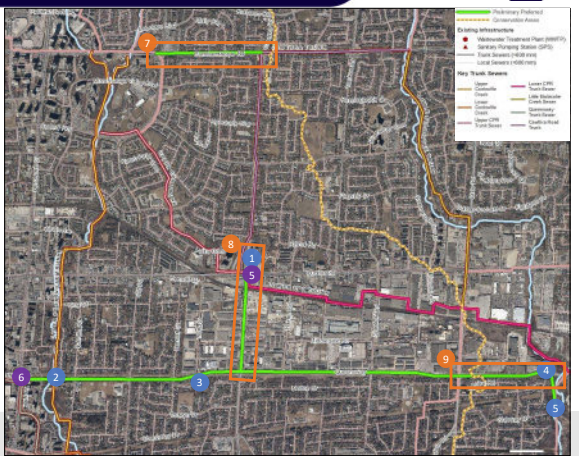
- Cemetery (Dixie Union)
- Parkland / Greenland (Camilla Park & Cooksville Common)
- Parkland (Mahawk Park)
- Parkland
- Greenland (Valley Park)

City Planned Projects

- 2022 Dundas Road Rehabilitation
- 2019-2021 Hurontario Major Road, LRT Construction

City Transit

- Burnhamthorpe - Route 26 & 76
- Cawthra - Route 8
- Queensway - Route 4, 14, 51





NEXT STEPS



- PIC #1 to present the preliminary preferred solution
 - March 10, 2020
- Additional technical studies will be completed on the preferred solution including:
 - Natural Features
 - Phase 1 ESA
 - Geotechnical
 - Stage 2 Archeological Assessment
- Phase 3: Design Concept Alternatives and Preferred Design Solution
 - Confirm detailed alignment and shaft locations

CITY FEEDBACK





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Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.:	718018																								
Meeting:	City of Mississauga Consultation Meeting																										
Date:	Monday, February 10, 2020	Time:	11:00 am – 12:00 pm																								
Location:	City Office, 201 City Centre Drive, Mississauga, Brenda Sakauye Room																										
Attendees:	<table border="0"> <tr> <td>City</td> <td>Region of Peel</td> <td>GM BluePlan</td> </tr> <tr> <td>Evelyn Krolicka (EK)</td> <td>Alana Evers (AE)</td> <td>Mark Zamojc (MZ)</td> </tr> <tr> <td>Shawn Chapman (SC)</td> <td>Nancy Macdonald (NM)</td> <td>Sandra Anastasio (SA)</td> </tr> <tr> <td>Bill Moffatt (BM)</td> <td>Rory O'Sullivan (RO)</td> <td></td> </tr> <tr> <td>Michael Hynes (MH)</td> <td>Hugh Lynch (HL)</td> <td></td> </tr> <tr> <td>John Dunlop (JD)</td> <td>Chris Rouse (CR)</td> <td></td> </tr> <tr> <td>Joe Perrotta (JP)</td> <td>Marianne Cassin (MC)</td> <td></td> </tr> <tr> <td>Jacqueline Elias (JE)</td> <td></td> <td></td> </tr> </table>			City	Region of Peel	GM BluePlan	Evelyn Krolicka (EK)	Alana Evers (AE)	Mark Zamojc (MZ)	Shawn Chapman (SC)	Nancy Macdonald (NM)	Sandra Anastasio (SA)	Bill Moffatt (BM)	Rory O'Sullivan (RO)		Michael Hynes (MH)	Hugh Lynch (HL)		John Dunlop (JD)	Chris Rouse (CR)		Joe Perrotta (JP)	Marianne Cassin (MC)		Jacqueline Elias (JE)		
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Item	Actions
<p><u>1. Project Team</u></p> <p>1.1. Laura Borowiec currently the Region's Project Manager, however, there will be a project handoff to Justin Lee in the near future</p> <p>1.2. Evelyn Krolicka replaced Auryn Soares as EA coordinator and is the primary contact for this project at City of Mississauga</p>	
<p><u>2. Alternative Alignments</u></p> <p>2.1. QEW/Dixie alternative alignments were screened out due to:</p> <ul style="list-style-type: none"> • Conflicts with MTO works on QEW North Service Rd widening and Dixie interchange upgrades • Proximity to residential area • Lack of available/suitable shaft locations • Difficult connection to East Trunk 	
<p><u>3. Preliminary Preferred Solution</u></p> <p>3.1. Based on a comprehensive multiple criteria matrix evaluation of options the Queensway alignment is the preliminary preferred solution and will work in conjunction with real time controls (RTC) and East to West flow diversion (to the north)</p> <p>3.2. Two connection points along Queensway to pull flow to East Trunk (flows from New Queensway Trunk Sewer and Upper Cooksville Creek Trunk Sewer)</p> <p>3.3. The solution requires connection to the existing Lower Cooksville Creek sewer and Etobicoke Creek sewer</p> <p>3.4. Proposed projects based on 2041 projections – triggered by future growth, existing flow, and design storm</p>	

<p>3.5. Staging area dimensions and layouts are somewhat flexible; configuration of staging areas will be determined individually and will vary based on site conditions, required equipment, trunk entrances and storage</p> <p>3.6. Typical construction sequencing for tunneled sewers begin at the downstream manhole (Etobicoke Creek) and moves upstream (towards Hurontario)</p> <p>3.7. Through this solution, Peel is also considering opportunities for storage of wastewater</p> <ul style="list-style-type: none"> • Future integration with real time controls at key points in the system will support these objectives <p>3.8. Preferred alignments will be phased, where possible, to avoid construction fatigue</p>	
<p><u>4. City Planned Projects</u></p> <p>4.1. 2020-2024 Hurontario LRT Project</p> <ul style="list-style-type: none"> • Potential impacts to Queensway and Hurontario shaft locations • Construction to begin in Spring 2020 and will include lane restrictions / rerouting traffic • Storm sewers relocation, upgrade and/or removal for LRT project • Greg Beams – Regional LRT contact <p>4.2. Dundas Connects Project (construction approx. 2023/2024) – consider potential impacts to Cawthra and Dundas shaft locations</p> <p>4.3. Dundas and Cawthra “Jug handle” (application on the northwest corner) – sidewalk improvements nearby; consider shaft location impacts to proposed development</p> <ul style="list-style-type: none"> • City to provide more information 	<p>4.3. City</p>
<p><u>5. City Considerations</u></p> <p>5.1. Mapping shows preliminary shaft locations</p> <ul style="list-style-type: none"> • Mandatory locations are at upstream point, Hurontario/Cooksville Creek and future Cawthra sewer connection points and downstream point • Additional shaft locations may be required in between and will be determined during the design phase of this EA • Each shaft location in between of mandatory points will require a justification for construction (e.g. constructability) <p>5.2. Queensway and Hurontario</p> <ul style="list-style-type: none"> • Bottom left shaft location not preferable - LRT-related infrastructure will be located at this corner • Bottom right shaft location – preferably off road, on private property due to LRT changes to right turn lane • GMBP to contact Greg Beams to provide more insight on LRT construction <p>5.3. Queensway and Cooksville Creek</p> <ul style="list-style-type: none"> • Top shaft location is preferable – open area, outside of City park boundaries • Bottom shaft location is not preferable – within City park boundaries, heavily treed area <p>5.4. Queensway and smaller local cross streets</p> <ul style="list-style-type: none"> • Shafts may or may not be required at the interim local cross streets. Quantity and location of shafts along Queensway will be determined during design phase of this EA <p>5.5. Small above ground structures may be required at some locations to enable full control of flows</p> <ul style="list-style-type: none"> • If “candy cane” venting structures are required, Region to consider City aesthetic preference during design stage 	<p>5.2. GMBP</p>



<ul style="list-style-type: none">Region to consider City aesthetic preference for any above ground structure required for these alignments	
<p>6. Project Schedule and Next Steps</p> <p>6.1. PIC #1 planned for March 10th, 2020</p> <p>6.2. City to send Region and GMBP any additional comments to be considered in this study</p>	<p>6.2. City</p>

DRAFT



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 www.gmblueplan.ca

Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018																																								
Meeting:	City of Mississauga Pre-PIC #2 Consultation Meeting																																									
Date:	Thursday, February 18, 2021	Time: 2:00 pm – 3:00 pm																																								
Location:	Microsoft Teams																																									
Attendees:																																										
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Agenda Items

1. Meeting Objectives
2. Class EA Process
3. Supporting Studies
4. Key City Considerations
5. Conceptual Shaft Locations
6. Project Schedule & Next Steps

Meeting Objectives

1. Update on the Class EA process
2. Outline conceptual sewer alignment and shaft compounds
3. Gain feedback from the City on alignment & shaft locations

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

Pre-PIC #2 Consultation Meeting
City of Mississauga
February 18, 2021

Agenda

1. Meeting Objectives
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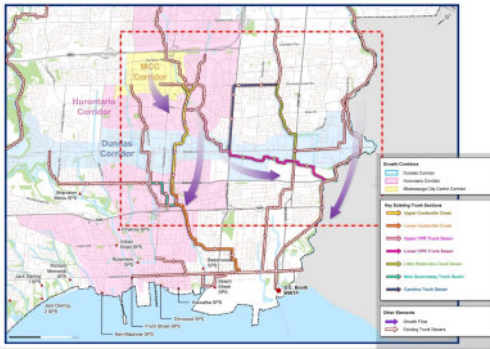
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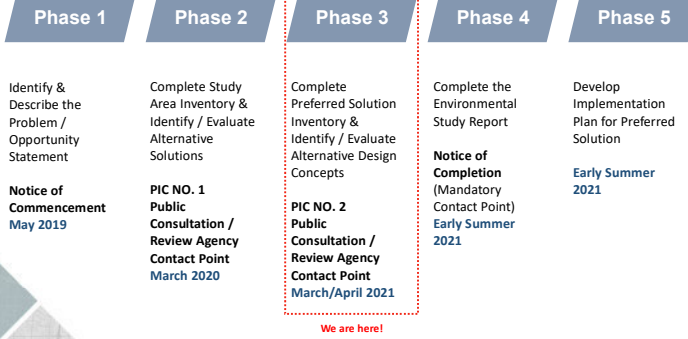
Study Problem / Opportunity Statement

Study Problem / Opportunity Statement

"Increase the conveyance capacity of key trunk sewers to service future growth and ensure alignment with the Region's long-term plan for providing wastewater services within the Mississauga City Centre, Hurontario Corridor and Dundas Corridor areas."



Class EA Process



Consultation with City of Mississauga

- The Region & GMBP have consulted with the City at key stages in the project:
 1. Study Notices
 - a) Notice of Commencement
 - b) Notice of PIC #1
 2. Project Initiation Consultation Meeting – June 2019
 3. Pre-PIC #1 Consultation Meeting – February 2020
 - ✓ Presented the preferred conceptual alignment
 - ✓ Obtained feedback from the City and MiWay for further consideration
 4. PIC #1 – March 2020
 5. Site Visits for Key Shaft Locations (City-owned) – September 2020
- The City provided preliminary feedback that was considered during the EA process including transit, parks, storm and property.

Supporting Studies

Study	Status
Natural Environment	
Natural Environment (Desktop)	Completed
Natural Features (Short List of Alternatives)	Completed
Hydraulic and Geomorphic Hazard Assessment	Completed
Natural Features (Preliminary Preferred Design)	Completed
Hydrology	
Desktop Hydrogeological Report	Completed
Baseline Hydrogeological Report	Completed
Areas of Potential Environmental Concern	
Phase One ESA	Completed
Phase Two ESA (Recommended)	To be completed in Detailed Design
Archaeology	
Stage 1 Archaeological Assessment	Completed
Stage 2 Archaeological Assessment	Completed
Cultural Heritage	
Cultural Heritage Screening Report	Completed
Cultural Heritage Existing Conditions & Preliminary Impact Assessment	Completed
Traffic	
Traffic Impact Assessment	To be completed
Geotechnical	
Desktop Geotechnical Investigations	To be completed

✓ Key natural features:
• Coosville Creek
• Etobicoke Creek

✓ Stage 2 did not identify any areas of archaeological importance
✓ – no further studies required

✓ Impact assessment completed on identified cultural heritage resources – potential impacts can be fully mitigated
– no further studies required

Preferred Conceptual Alignment



- Key Trunk Sewers**
- 1 - Upper Cooksville Creek Trunk Sewer
 - 2 - Lower Cooksville Creek Trunk Sewer
 - 3 - Upper CPR Trunk Sewer
 - 4 - Lower CPR Trunk Sewer
 - 5 - Little Etobicoke Creek Trunk Sewer
 - 6 - Queensway Trunk Sewer
 - 7 - Cawthra Road Trunk Sewer (under construction / planned)
- Wastewater Sewer**
- Trunk Sewer (> 600mm)
 - Local Sewer (< 600mm)
- Legend:**
- Blue circle: Preliminary Preferred Shaft Location
 - Green circle: Key Sewer Connection Point
 - Green line: Preferred Conceptual Alignment

The preliminary preferred solution includes:

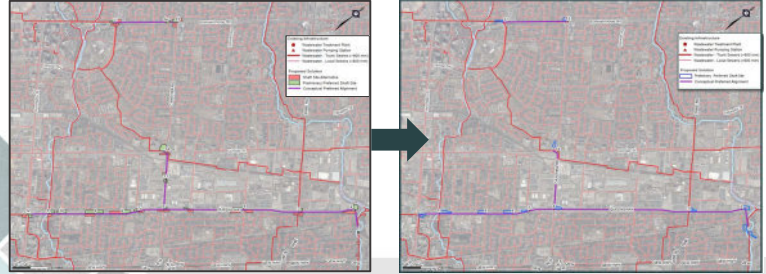
- **Alignments:**
 - Burnhamthorpe Road
 - Cawthra Road
 - Queensway East
- **Shaft locations to enable:**
 - 7 Key Connection Points
 - 5 Minor Connections / Constructability Points

Shaft Site Alternatives Evaluation



Detailed evaluation was completed on the shaft site alternatives. The main factors included:

- (1) Trunk and local sewer connections
- (2) Site availability
- (3) Site access
- (4) Existing municipal infrastructure conflicts
- (5) Existing utility infrastructure conflicts
- (6) Environmental impacts
- (7) Stakeholder input



Key City Considerations



- **Traffic**
 - Traffic Impact Assessment will be completed on the preferred solution
- **Transit / Bus Shelters**
 - Minimize impacts to bus shelter locations where possible
 - Where not possible, bus shelters may be temporarily relocated during construction
- **Storm Infrastructure**
 - Design has considered minimum clearances from storm sewers
- **Parks and Trails**
 - Temporary relocation of multi-use trails may be required
 - No potential impacts to City parks
 - Ongoing consultation with CVC (Cookville Creek) and TRCA (Etobicoke Creek)
- **Trees**
 - Potential impact to trees – tree protection measures / removal will be provided during detailed design
- **Hurontario LRT**
 - Ongoing communication with Region LRT team to identify any conflicts
- **Heritage Resources**
 - Cultural Heritage Existing Conditions & Preliminary Impact Assessment completed – no further studies required
 - Etobicoke Creek Valley – potential impacts during construction can be fully mitigated
 - Middle Road Bridge (1700 Sherway Dr) – potential impacts during construction can be fully mitigated
 - Properties at 680 Silver Creek Blvd; 707 Dundas St E; 3065 Cawthra Rd (Cawthra & Dundas) – no potential impacts
- **Temporary and permanent easements (required on 3 City owned lands)**
 - Burnhamthorpe and Central Parkway
 - Cawthra and Dundas
 - Sherway and East Trunk
- **Planned City Projects**
 - No conflicts with planned City projects (based on previous engagement)

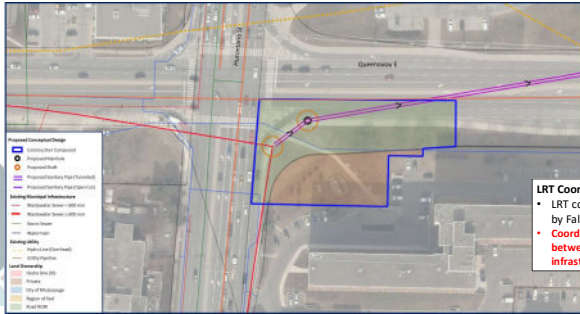


Preliminary Preferred Shaft Compound (Conceptual)



Queensway and Hurontario

- Shaft and alignment within road ROW
- **Temporary construction impacts to sidewalk and right turn lane**
- Pipe depth at proposed manhole ~ 8 m.



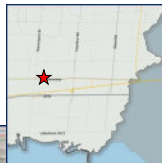
- LRT Coordination**
- LRT construction scheduled to be completed by fall 2024
 - **Coordination and appropriate setbacks between tunnel shaft and LRT project infrastructure will be required during design.**

Preliminary Preferred Shaft Compound (Conceptual)



Queensway and Cooksville Creek/Camilla

- Shaft and alignment within the Hydro One corridor
- **Temporary construction impacts to multi-use trail**
- Pipe depth at proposed manhole ~ 6 m

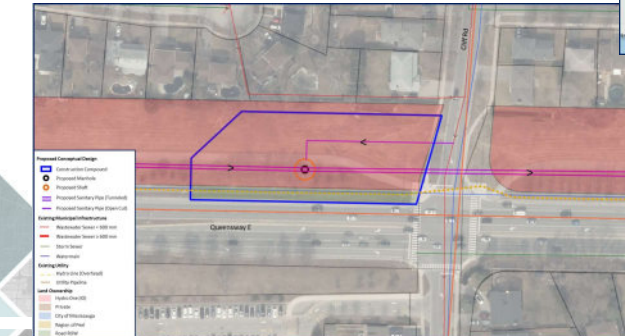


Preliminary Preferred Shaft Compound (Conceptual)



Queensway and Cliff

- Shaft and alignment within the Hydro One corridor
- **Temporary construction impacts to multi-use trail**
- Pipe depth at proposed manhole ~ 10 m

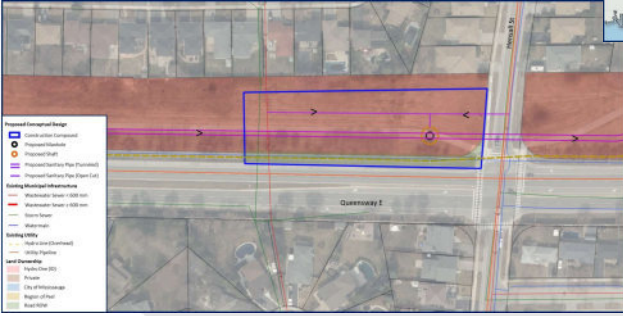


Preliminary Preferred Shaft Compound (Conceptual)



Queensway and Hensall

- Shaft and alignment within the Hydro One corridor
- **Temporary construction impacts to multi-use trail**
- Pipe depth at proposed manhole ~ 10 m



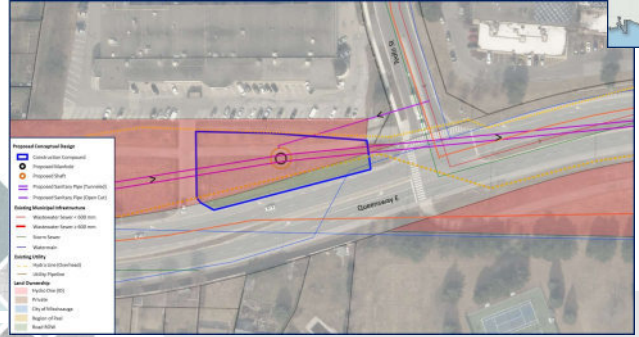
GM BluePlan
February 18, 2021

Preliminary Preferred Shaft Compound (Conceptual)



Queensway and Tedlo

- Shaft and alignment within the Hydro One corridor
- **Temporary construction impacts to multi-use trail**
- Pipe depth at proposed manhole ~ 12 m



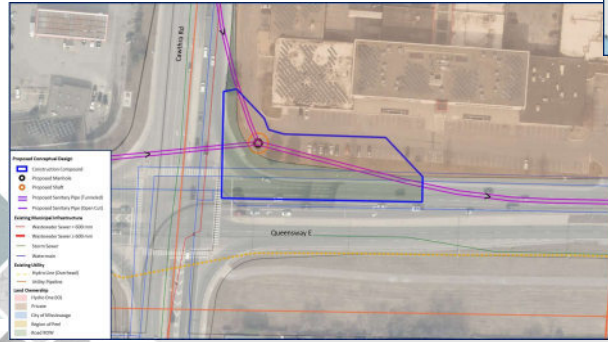
GM BluePlan
February 18, 2021

Preliminary Preferred Shaft Compound (Conceptual)



Queensway and Cawthra

- Shaft and alignment within private lands
- **Temporary construction impacts to right turn lane and sidewalk**
- Pipe depth at proposed manhole ~ 12 m



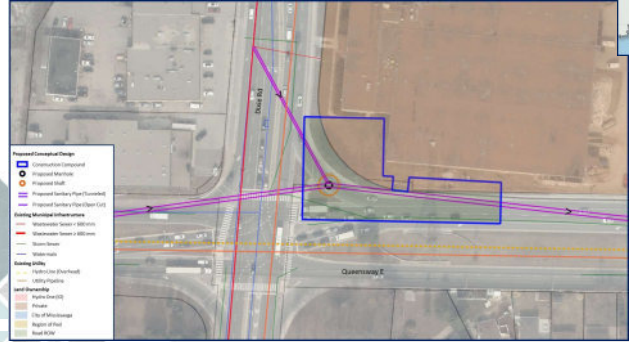
GM BluePlan
February 18, 2021

Preliminary Preferred Shaft Compound (Conceptual)



Queensway and Dixie

- Shaft and alignment within road ROW
- **Temporary construction impacts to right turn lane and sidewalk**
- Pipe depth at proposed manhole ~ 18 m.



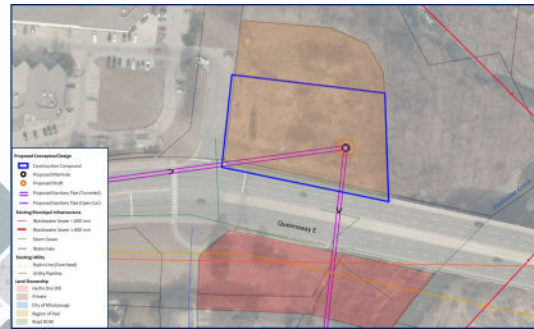
GM BluePlan
February 18, 2021

Preliminary Preferred Shaft Compound (Conceptual)



Queensway and Etobicoke Creek

- Shaft and alignment within private lands
- **Temporary construction impacts to sidewalk and bus stop**
- Pipe depth at proposed manhole ~ 18 m



GM BluePlan
February 18, 2021

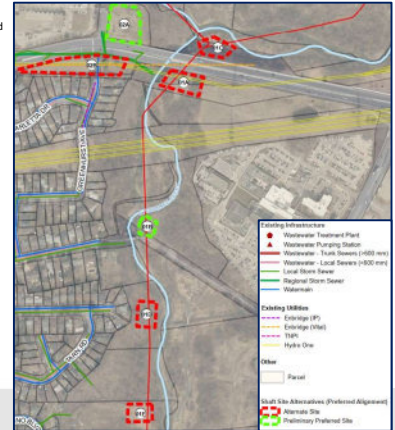
Shaft Site Alternatives Evaluation – Etobicoke Creek



A high-level review was completed to screen out shaft site alternatives based on technical viability/feasibility, including the ability to be constructed based on a minimum slope of 0.1% (to maintain minimum velocities).

Tunnel Launch Location	Technical Screening Results
1A. North (Queensway)	✗
1B. South (Sherway)	✓
1C. North (Little Etobicoke Creek)	✗
1D. South (Sunnycove)	✓
1E. South (QEW)	✓

A more detailed evaluation was completed on the remaining alternatives.



Shaft Site Alternatives Evaluation – Etobicoke Creek

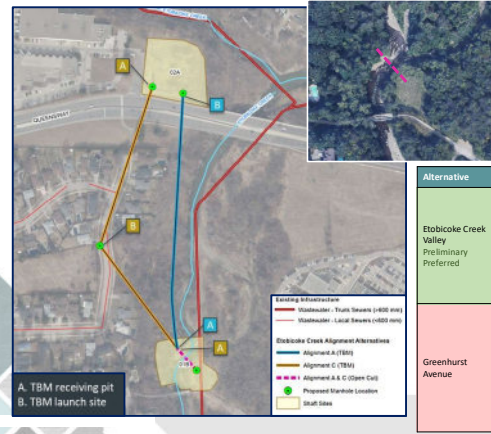


Alternative	Key Evaluation Points
1B Preliminary Preferred	<ul style="list-style-type: none"> Good existing construction access route to site via the east paved road (Sherway) Minimized construction risk due to the shorter sewer drive length Enables mitigation to structurally improve existing sanitary pipe and access road Minimizes overall impact to natural environment; east site is located on highly disturbed cultural meadow with low species diversity Existing connecting pipe burial depth is shallow and will require mitigation for hydraulic and geomorphic hazards (common with 1D) Located to the east of Etobicoke Creek; crossing of Etobicoke Creek required
1D	<ul style="list-style-type: none"> Located to the west of Etobicoke Creek Does not have an existing construction access route to site; extremely challenging construction access from east and west Existing connecting pipe burial depth is very shallow and will require mitigation for hydraulic and geomorphic hazards (common with 1B) Increased construction and environmental risk due to the longer sewer drive length Site is deciduous forest with higher species diversity and higher quality of wildlife habitat
1E	<ul style="list-style-type: none"> Located to the west of Etobicoke Creek Does not have an existing construction access route to site; extremely challenging construction access from east Site is privately owned; increased acquisition risk gaining construction and permanent access Construction access through small residential roads required creating high socio-economic impact Increased construction risk due to the longer sewer drive length



GM BluePlan
February 18, 2021

Etobicoke Creek Alignment Alternatives



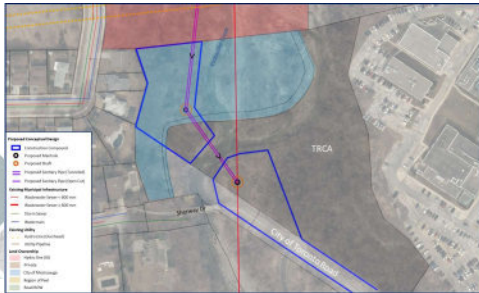
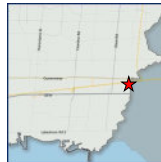
Alternative	Key Evaluation Points
Etobicoke Creek Valley Preliminary Preferred	<ul style="list-style-type: none"> Minimizes number of shaft compounds Avoids potential for utility conflicts Avoids construction within existing residential neighborhood Depth of pipe and ground cover reduces potential for impact during tunneling construction Improved hydraulic flow with straight sewer alignment Open cut construction section and fluvial hazards mitigation common to both alternatives
Greenhurst Avenue	<ul style="list-style-type: none"> Additional shaft compound required Requires tunnel shaft compound near Greenhurst Ave where there are existing overhead Hydro One wires and transmission towers, increasing potential for construction conflict Increased impact to residents (noise/dust/traffic) Potentially lower environmental risk Flow east then southwest- inferior hydraulics Open cut construction section and fluvial hazards mitigation common to both alternatives

Preliminary Preferred Shaft Compound (Conceptual)



Sherway and East Trunk

- Alignment within Hydro One, City of Mississauga and TRCA lands
- Shaft within City of Mississauga lands
- Construction compound within City of Mississauga, TRCA lands and City of Toronto lands
- Permanent and temporary easements required on City lands for construction compound, alignment and manhole
- Temporary construction impacts to multi-use trail
- Pipe depth at proposed manhole ~ 4 m



Cultural Heritage Existing Conditions and Preliminary Impact Assessment for Middle Road Bridge (1700 Sherway Drive)

- Mitigation Measures During Construction:
- Vibration monitoring
 - Temporary fencing around bridge
 - Avoidance of mature trees and limiting vegetation clearing (incorporate a replacement screening strategy for any removals)
 - Relocation of recreational trail away from construction zone

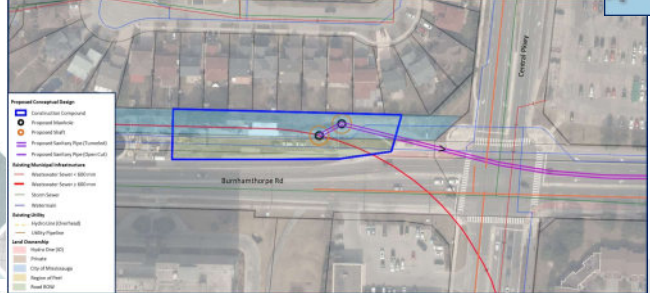
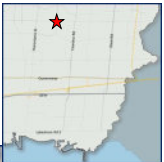
GM BluePlan
February 18, 2021

Preliminary Preferred Shaft Compound (Conceptual)



Burnhamthorpe and Central Parkway

- Shaft and alignment within City of Mississauga lands
- Portion of construction compound within City of Mississauga lands
- Permanent and temporary easements required on city lands for construction compound, alignment and manhole
- Temporary construction impacts to sidewalk
- Pipe depth at proposed manhole ~ 14 m



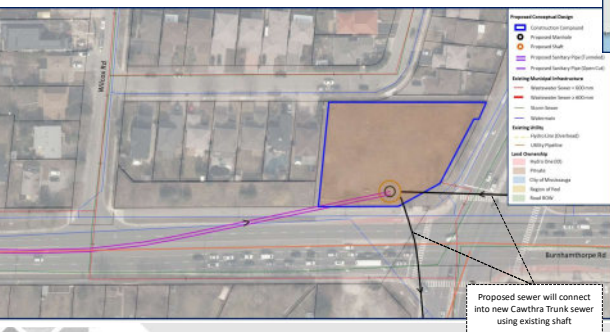
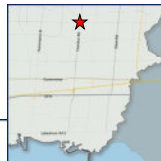
GM BluePlan
February 18, 2021

Preliminary Preferred Shaft Compound (Conceptual)



Burnhamthorpe and Cawthra

- Shaft and alignment within private lands
- Pipe depth at proposed manhole ~ 20 m.



Proposed sewer will connect into new Cawthra Trunk sewer using existing shaft

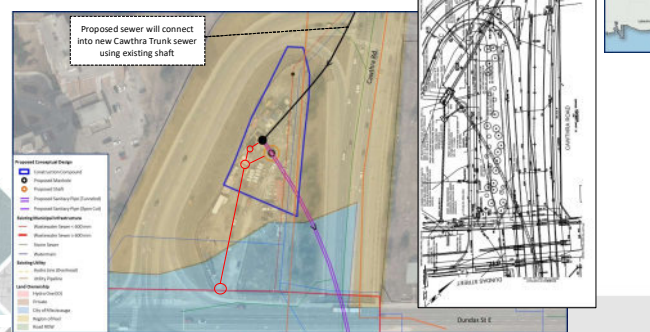
GM BluePlan
February 18, 2021

Preliminary Preferred Shaft Compound (Conceptual)



Cawthra and Dundas

- Alignment within Region of Peel and City of Mississauga lands
- Construction compound within Region of Peel lands
- Permanent easements required on City lands for alignment
- Pipe depth at proposed manhole ~ 15 m



Proposed sewer will connect into new Cawthra Trunk sewer using existing shaft

GM BluePlan
February 18, 2021

Stakeholder Engagement

The following agency consultations to be completed before PIC #2:

1. Hydro One
 - Study field investigations
 - Property easements
2. Alectra
 - Working around hydro poles / wires during construction
3. Enbridge
 - Coordination along Queensway
4. Private Landowners
 - Study field investigations
 - Property easements
5. TRCA
 - Etobicoke Creek alignment and shaft sites
6. CVC
 - Cooksville Creek alignment and shaft site



Project Schedule & Next Steps

- PIC #2 to present the preliminary preferred design solution
 - Late Spring 2021
- Additional technical studies will be completed on the preferred design solution including:
 - Further Geotechnical Investigations
 - Traffic Impact Assessment
- Phase 4: Environmental Study Report
 - Notice of Completion
 - Minimum 30-day Public Review Period – Summer 2021



Feedback





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 www.gmblueplan.ca

Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.:	718018																														
Meeting:	City of Mississauga Pre-PIC #2 Consultation Meeting																																
Date:	Thursday, February 18, 2021	Time:	2:00 pm – 3:30 pm																														
Location:	Microsoft Teams																																
Attendees:	<table border="0"> <thead> <tr> <th><u>City of Mississauga (City)</u></th> <th><u>Region of Peel (Region)</u></th> <th><u>GM BluePlan (GMBP)</u></th> </tr> </thead> <tbody> <tr> <td>Auryn Soares</td> <td>Jacqueline Elias</td> <td>Justin Lee (JL)</td> </tr> <tr> <td>Bill Moffatt</td> <td>Jerry Che</td> <td>Chris Campbell (CC)</td> </tr> <tr> <td>Brandon Williams</td> <td>John Dunlop</td> <td>Mark Zamojc (MZ)</td> </tr> <tr> <td>Evelyn Krolicka</td> <td>Marianne Cassin</td> <td>Sandra Anastasio (SA)</td> </tr> <tr> <td>Hugh Lynch</td> <td>Michael Hynes</td> <td></td> </tr> <tr> <td>Sam Primomo</td> <td>Myra Pasma</td> <td></td> </tr> <tr> <td>Scott Sorensen</td> <td>Patrick Murphy</td> <td></td> </tr> <tr> <td>Silvio Cesario</td> <td>Paula Wubbenhorst</td> <td></td> </tr> <tr> <td>Patrick Murphy</td> <td></td> <td></td> </tr> </tbody> </table>			<u>City of Mississauga (City)</u>	<u>Region of Peel (Region)</u>	<u>GM BluePlan (GMBP)</u>	Auryn Soares	Jacqueline Elias	Justin Lee (JL)	Bill Moffatt	Jerry Che	Chris Campbell (CC)	Brandon Williams	John Dunlop	Mark Zamojc (MZ)	Evelyn Krolicka	Marianne Cassin	Sandra Anastasio (SA)	Hugh Lynch	Michael Hynes		Sam Primomo	Myra Pasma		Scott Sorensen	Patrick Murphy		Silvio Cesario	Paula Wubbenhorst		Patrick Murphy		
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Item	Actions
1. PowerPoint presentation was provided to meeting participants, these minutes supplement the presentation.	
2. Conceptual Shaft Locations 2.1 City provided lessons learned from the ongoing Burnhamthorpe Water Project: <ul style="list-style-type: none"> Delays in identifying detours for Multi-Use Trails (MUTs) - locations were provided during Detailed Design stage. City prefers to minimize the number of MUT detours as well as detours that involve roadway crossings and would like to be involved earlier in the process. 2.2 GMBP will identify in the Environmental Study Report (ESR) the locations where MUTs may require relocation. Detour routes will be confirmed during Detailed Design as shaft locations become further refined. 2.3 Sherway Drive and Etobicoke Creek Shaft Location: <ul style="list-style-type: none"> Community services will require construction details to identify any potential impacts to the existing trees on the west side of the creek (at Site 1B). This will be provided during detailed design and pre-permitting and approvals. 2.4 GMBP has not yet identified beyond the shaft locations where other surface infrastructure will be required (e.g. vents). GMBP will provide commentary and preliminary locations of surface infrastructure as part of the EA Study and ESR. This will however be refined	



<p>through detailed design stage and will require further coordination and engage with the City.</p> <p>2.5 The construction of the proposed alignment is estimated to begin in ~4-5 years, at the earliest (project will be phased).</p> <p>2.6 City is coordinating with the Region on project near the Cawthra/Dundas shaft location.</p>	
<p>3. Next Steps</p> <p>3.1 GMBP to provide City with Stage 1 & 2 Archaeological Assessment Reports</p> <p>3.2 GMBP to provide City with Cultural Heritage Screening and Impact Assessment Reports</p> <p>3.3 GMBP to provide City with Natural Features Reports</p> <p>3.4 City to provide additional feedback on conceptual shaft locations to be considered in the EA process.</p>	<p>3.1 GMBP 3.2 GMBP 3.3 GMBP 3.4 City</p>

These minutes have been prepared by the undersigned. If there are any errors or omissions in these minutes, please contact the author as soon as possible.

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Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018																																												
Meeting:	City of Mississauga Pre-PIC #2 Consultation Meeting																																													
Date:	Wednesday, May 26, 2021	Time: 1:00 pm – 2:00 pm																																												
Location:	Microsoft Teams																																													
Attendees:																																														
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Agenda Items

1. Class EA Process
2. Project Recap
3. Technical Investigations & Considerations
4. Design Concept Alternatives Evaluation
5. Construction Methodology
6. Preliminary Preferred Design Concept
7. Project Schedule & Next Steps

Meeting Objectives

1. Update on the Class EA process
2. Present preliminary preferred alignment and shaft site conceptual design
3. Gain feedback from the City prior to PIC No. 2

Pre-PIC No. 2 Stakeholder Consultation

Wastewater Capacity Improvements in Central Mississauga
Municipal Class Environmental Assessment

City of Mississauga
May 26, 2021



Meeting Agenda

1. Class EA Process
2. Project Recap
3. Technical Investigations & Considerations
4. Design Concept Alternatives Evaluation
5. Construction Methodology
6. Preliminary Preferred Design Concept
7. Project Schedule & Next Steps

Meeting Objectives

- ✓ Update on the Class EA process
- ✓ Present preliminary preferred alignment and shaft site conceptual design
- ✓ Gain feedback from the City prior to PIC No. 2

What is the Purpose?
Public Information Centre No. 2

This PIC is intended to:

- ✦ Inform you of the study's progress to date, project steps and schedule
- ✦ Outline the evaluation of the design options and alternatives
- ✦ Present details of the tunnel shaft location options, sewer alignments and most technically feasible solution
- ✦ Gather information, stakeholder input and answer questions
- ✦ Identify next steps of the study

This is the second and final PIC for this study

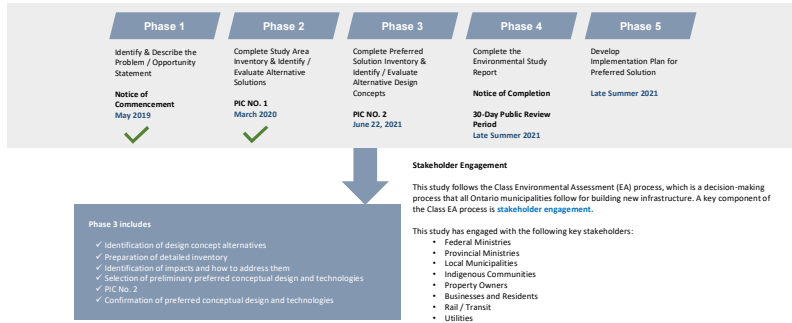
Do you have any questions, comments, or want to stay up to date?
Please contact the Region of Peel Project Manager

Justin Lee, P.Eng.
Project Manager
Regional Municipality of Peel
10 Peel Centre Drive
Brampton, ON L6T 4B9
905-791-7800
Justin.Lee@peelregion.ca

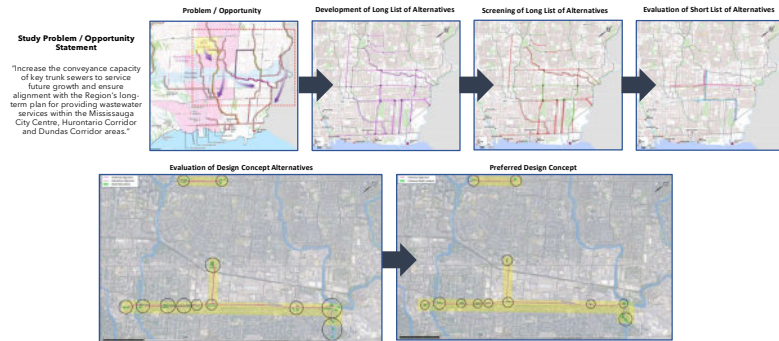
How you can help!

- ✓ Provide your feedback by completing an online comment sheet or contacting the Region's Project Manager
- ✓ Sign up for project updates
- ✓ Visit the project website for additional information
- ✓ Input received will be taken into consideration as the study progresses. However, once the study is complete and the Environmental Study Report is filed, the project will continue to construction and no changes to the recommended solution will be made

Where Are We in the Study Process?
Class EA Process



Project Recap
Environmental Assessment (EA) Process Overview



Project Recap
Consultation with City of Mississauga



The City provided preliminary feedback that was considered during the EA process including traffic, transit, parks, multi-use trails, storm infrastructure and property considerations. City feedback will be documented in the ESR and the Region is committed to continued coordination with the City during design and implementation.

What Investigations Have Been Completed? Technical Investigations & Considerations

- HYDROGEOLOGICAL**
The purpose of the hydrogeological analysis is to establish the existing groundwater conditions, assess the potential impacts to groundwater and surface water resources, and identify the necessary mitigation measures.
- ✓ Desktop and baseline hydrogeological analysis completed.
 - ✓ Commitment to further hydrogeological investigations during detailed design.
 - ✓ Result: Suitable conditions for shaft site and tunnel construction; dewatering considerations required.
- ARCHAEOLOGICAL**
The purpose of the archaeological assessment is to determine whether there is potential for archaeological sites within the study area and along the preferred route.
- ✓ Stage 1 and Stage 2 archaeological assessment completed.
 - ✓ Result: No areas have been identified as having archaeological importance. No further archaeological investigations are required.
- CULTURAL HERITAGE**
The purpose of the cultural heritage assessment is to identify if there are any potential impacts to cultural heritage resources caused by the project and if so what mitigation measures will be required.
- ✓ Screening report (CHSR) and existing conditions and preliminary impacts assessment (EHCPIA) completed.
 - ✓ Result: Potential impacts can be fully mitigated. No further cultural heritage assessments are required.
- NATURAL ENVIRONMENT**
The purpose of the natural environment desktop review and field investigations are to document the existing natural environment features within the study area and identify any potential impacts and mitigation measures for the preferred solution.
- ✓ Baseline assessment, field investigations, Etobicoke Creek hazard assessment and Etobicoke Creek tree screening completed.
 - ✓ Result: No significant environmental constraints for the majority of the alignment and shaft compounds that cannot be mitigated. Environmental conditions will be restored after completion of construction. Etobicoke Creek sewer connection and crossing will require substantial remediation and mitigation during and following construction to safeguard against scour and geo-fluvial hazards.
 - ✓ Cooksville Creek hazard assessment and natural environment impact assessment underway and will inform preparation of ESR and required mitigation.
- GEOTECHNICAL**
The purpose of the geotechnical investigation is to better understand what the soil and rock conditions are along the preferred route.
- ✓ Desktop and geophysical investigation underway will inform preparation of ESR.
- TRAFFIC INVESTIGATION**
The purpose of the traffic analysis is to assess potential impacts to traffic and transit operations due to the construction along the preferred route and identify mitigation measures.
- ✓ Traffic impact assessment underway will inform preparation of ESR and required mitigation.

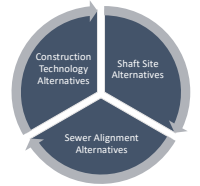


Preliminary Preferred Design Concept Evaluation Process Overview

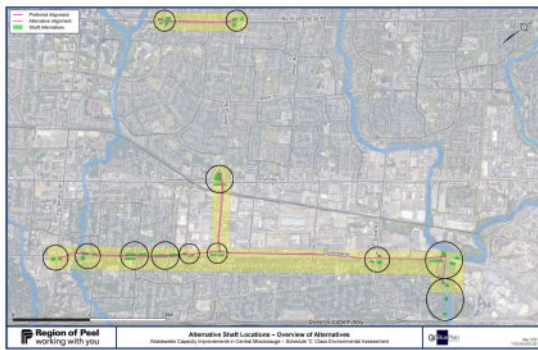
Phase 2 selected the preferred conceptual alignment and general location of the shafts along Burnhamthorpe Road, Cawthra Road, Queensway East and Etobicoke Creek Valley.

Phase 3 involved the evaluation of the shaft site, sewer route and construction technology alternatives, in tandem, taking into consideration the following criteria:

1. Environmental
2. Technical
3. Socio-Cultural
4. Economic
5. Legal / Jurisdictional



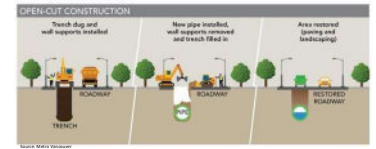
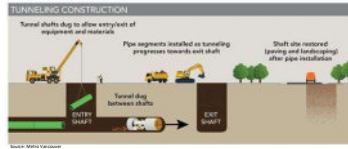
Design Concept Alternatives Tunnel Shaft Locations and Sewer Route



Preliminary Preferred Design Concept Construction Methodology

Due to the depth of the proposed sewer, the majority of the alignment will be tunneled. Connections to local sewers at Cliff Road, Hensall Street and Tedlo Street as well as the Etobicoke Creek crossing will use open cut construction.

- **Tunnelling** – digging shafts and using special equipment to tunnel underground between the shafts. It is less intrusive than open cutting. The only surface works for tunneled construction are the entry and exit shafts located between tunnel drive lengths (between 0.2 km and 2.1 km apart).
- **Open Cutting** – digging a trench to install infrastructure. Because construction occurs on the surface over a stretch of length. It can cause disruption to traffic and existing land use along the construction route.

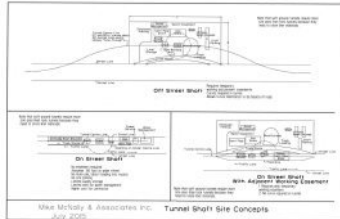


Preliminary Preferred Design Concept Construction Set-up

- Each access shaft will require a staging area where construction equipment can be stored, and excavated material can be brought to the surface and hauled from the site in trucks
- Staging areas will measure approximately 50 m by 50 m and will be fenced off. Once tunneling is completed the staging area will be restored to its previous or improved condition.
- Locations with open spaces, vacant lots, greenspace and connection to trunk sewers were preferred for the proposed shaft sites.
- The selection of preferred shaft sites considered proximity to existing infrastructure (water, storm, sewer, utilities) heritage areas, environmental features and existing land use.
- The construction layout will be further refined through detailed design.

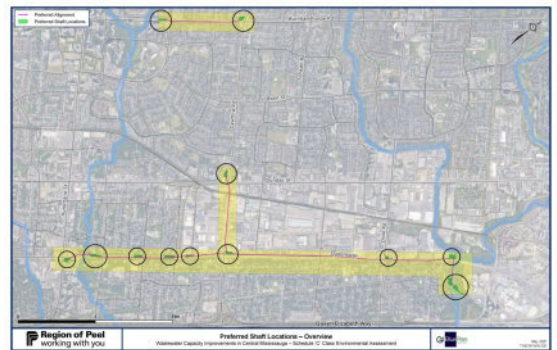


Shaft site for the twinning of the Etobicoke Creek Sanitary Trunk Sewer under Runway 23 at Lester B. Pearson International Airport

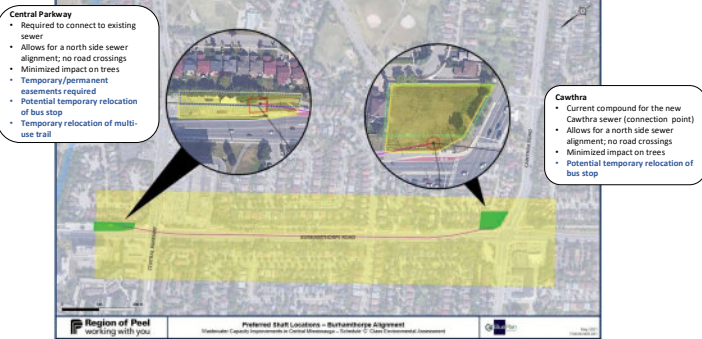


Shaft Compound Typical Layout

Recommended Tunnel Shaft Locations Design Concept Overview



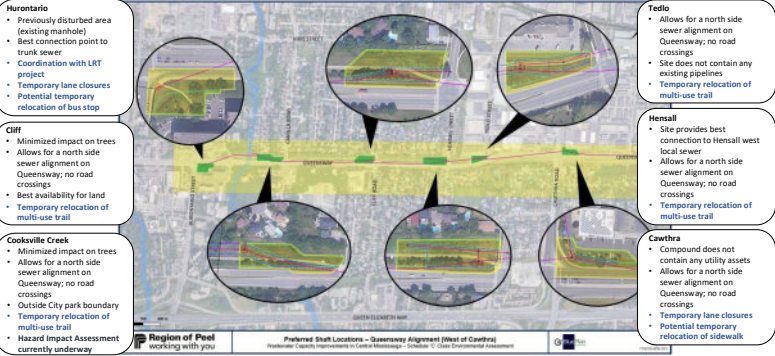
Recommended Tunnel Shaft Locations Burnhamthorpe Road



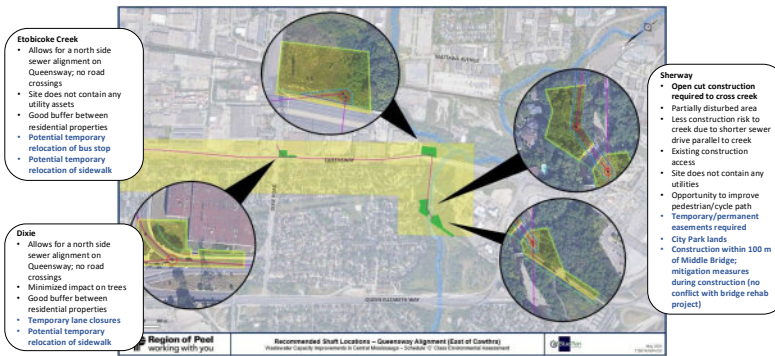
Preliminary Preferred Design Concept Cawthra Road



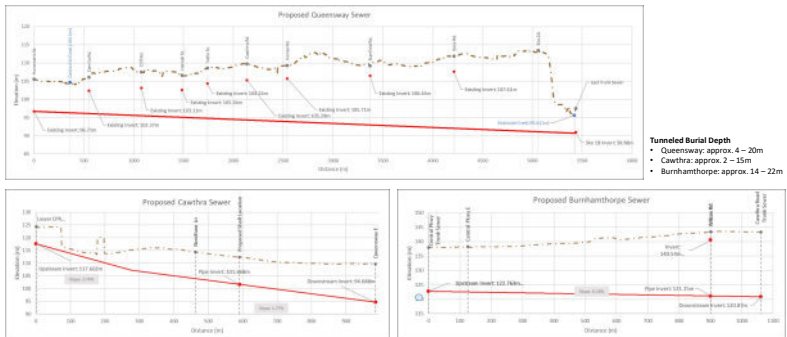
Preliminary Preferred Design Concept Queenway East



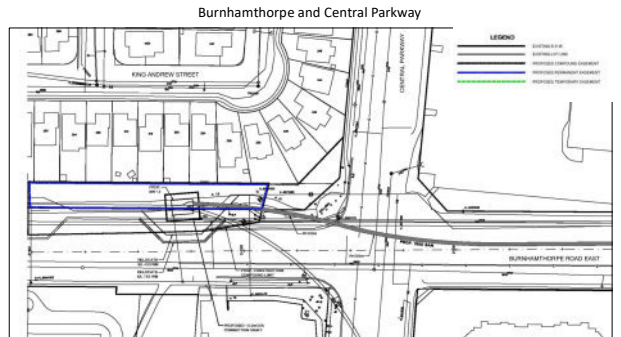
Preliminary Preferred Design Concept Etobicoke Creek



Preliminary Preferred Design Concept Profile of Proposed Sewer



Preliminary Preferred Design Concept City Property Impacts



Preliminary Preferred Design Concept City Property Impacts

Cawthra and Dundas



Etobicoke Creek and Sherway



Preliminary Preferred Design Concept City Project Coordination

Queensway and Hurontario - Coordination with Hurontario LRT



What Are the Proposed Mitigation Measures? Future Considerations

Working Nearby/In Water

- Mitigation measures will be implemented for scour protection and fluvial hazards
- Sediment and erosion measures will be implemented to minimize bank erosion and downstream siltation
- Construction activities to occur outside of fish reproductive periods
- Mitigation measures will be implemented when working within the floodplain

Temporary Removal of Vegetation

- Tree and vegetation removal will be minimized, where possible
- Standard tree protection measures will be implemented where required
- Disturbed areas will be restored to previous or improved conditions

Resident & Community Safety

- Construction access will be fenced off and shaft areas enclosed with solid wood hoarding
- Construction operations will occur during day shift and in accordance with municipal noise by-laws
- Vibration monitoring pre- construction and during construction to ensure structural integrity of neighboring building and structure
- Relocation of pedestrian sidewalks and multi-use trails, where required

Groundwater & Soil Contamination

- Groundwater dewatering may be required and will be carried out in accordance with the hydrogeological assessment, and conforming to the Ministry of Environment, Conservation and Parks (e.g., Permit to Take Water) and Conservation Authority (e.g., TRCA, CVC) requirements
- Soil contamination will be avoided by proper handling and maintenance of construction equipment
- Contingency plan will be prepared and will include the control, cleanup and disposal of a spill or contaminated soil

Traffic

- Access to tunnel shaft areas will be controlled and gravity sewer will be constructed by tunneling within the existing road right of way
- Comprehensive Traffic Management Plan will be prepared
- Impact to public transit will be minimized through temporary relocation of bus stops
- Access disruption to businesses, institutions, residences will be minimized, and advanced notification will be provided



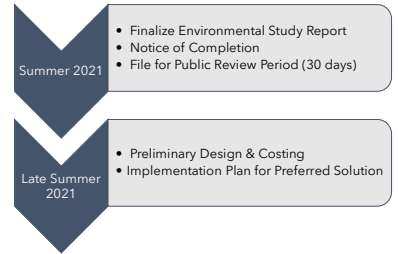
Floodplain Protection Measures

What Are the Next Steps? Class EA Process

Next Steps:

- ❖ Review comments from PIC No. 2
- ❖ Confirm preferred design concept
- ❖ Complete additional technical studies on the preferred design concept:
 - Natural Features Assessment
 - Geotechnical Study
 - Hazard Assessment (Cooksville Creek)
- ❖ Prepare Environmental Study Report

Schedule:



Please Stay Engaged Thank You for Participation!

- Following this Public Information Centre (PIC), the project team will:
 - Review and consider your input received during and following the PIC
 - Confirm and refine the Preliminary Preferred Design Concept
 - File ESR for Public Review (30-days)

Do you have any questions, comments, or want to stay up to date? Please contact us anytime.

Justin Lee, P.Eng.
Project Manager
Regional Municipality of Peel
10 Peel Centre Drive
Brampton, ON L6T 4B9
905-791-7800
Justin.Lee@peelregion.ca

How to Stay Involved?

- Submit a question
- Sign-up for project notifications



Royal Centre 3300 Hwy 7 Suite 402
 Vaughan ON L4K 4M3
 P: 416.703.0667 F: 416.703.2501
 www.gmbblueplan.ca

Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018																														
Meeting:	City of Mississauga Pre-PIC #2 Consultation Meeting																															
Date:	Wednesday, May 26, 2021	Time: 1:00 pm – 2:00 pm																														
Location:	Microsoft Teams																															
Attendees:	<table border="0"> <thead> <tr> <th><u>City of Mississauga (City)</u></th> <th><u>Region of Peel (Region)</u></th> <th><u>GM BluePlan (GMBP)</u></th> </tr> </thead> <tbody> <tr> <td>Evelyn Krolicka</td> <td>Jessica Yong</td> <td>Justin Lee (JL)</td> </tr> <tr> <td>John Dunlop</td> <td>Michael Hynes</td> <td>Laura Borowiec (LB)</td> </tr> <tr> <td>Nancy MacDonald</td> <td>Myra Pasma</td> <td>Steven Oldford (SO)</td> </tr> <tr> <td>Brandon Williams</td> <td>Bill Mofatt</td> <td>Chris Campbell (CC)</td> </tr> <tr> <td>Alessandro Torresan</td> <td>Paula Wubbenhorst</td> <td>Mark Zamojc (MZ)</td> </tr> <tr> <td>Jacqueline Elias</td> <td>Stef Szczepanski</td> <td>Sandra Anastasio (SA)</td> </tr> <tr> <td>Romas Juknevicus</td> <td>Auryn Soares</td> <td></td> </tr> <tr> <td>Hugh Lynch</td> <td>Marianne Cassin</td> <td></td> </tr> <tr> <td>Janeth Huab</td> <td>Zain Zia</td> <td></td> </tr> </tbody> </table>		<u>City of Mississauga (City)</u>	<u>Region of Peel (Region)</u>	<u>GM BluePlan (GMBP)</u>	Evelyn Krolicka	Jessica Yong	Justin Lee (JL)	John Dunlop	Michael Hynes	Laura Borowiec (LB)	Nancy MacDonald	Myra Pasma	Steven Oldford (SO)	Brandon Williams	Bill Mofatt	Chris Campbell (CC)	Alessandro Torresan	Paula Wubbenhorst	Mark Zamojc (MZ)	Jacqueline Elias	Stef Szczepanski	Sandra Anastasio (SA)	Romas Juknevicus	Auryn Soares		Hugh Lynch	Marianne Cassin		Janeth Huab	Zain Zia	
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A copy of the PowerPoint presentation was provided to meeting participants, these minutes supplement the presentation.

Item	Actions
<p><u>Technical Investigations and Considerations</u></p> <ol style="list-style-type: none"> No conflict with proposed alignment at Etobicoke Creek and Sherway and the planned rehabilitation work at the Middle Bridge. Mitigation measures and monitoring will be undertaken for Middle Bridge during construction as determined during detailed design. GMBP to provide the City with a copy of the Preliminary Tree Screening Report Draft. GMBP to provide the City with a copy of the Stage 2 Archaeological Assessment Report at Etobicoke Creek completed by TRCA. 	<ol style="list-style-type: none"> GMBP ✓ GMBP ✓
<p><u>City Coordination / Impacts</u></p> <ol style="list-style-type: none"> GMBP will document all required coordination/commitments with the City during design and implementation project stages in the ESR including temporary relocation/impacts to park, transit, traffic, City infrastructure, MUTs and sidewalks, and property. GMBP to provide the City with a copy of the preliminary design drawings. Property Report will detail required easements and relocations. City undergoing a Special Policy Review for flood mitigation work at Etobicoke Creek and Dundas in partnership with TRCA – pre-EA stage (e.g. feasibility study). GMBP to continue coordination with TRCA. 	<ol style="list-style-type: none"> GMBP



<p>Approval /Permits</p> <ol style="list-style-type: none">1. GMBP will include requirements for future approval/permitting from TRCA, CVC, and City of Mississauga, where required (e.g. Etobicoke Creek City Park).	
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These minutes have been prepared by the undersigned. If there are any errors or omissions in these minutes, please contact the author as soon as possible.

A handwritten signature in blue ink, appearing to be 'E. P. M.' or similar, written in a cursive style.

GM BLUEPLAN ENGINEERING LIMITED

Sandra Anastasio - GM BluePlan

From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Friday, June 14, 2019 12:23 PM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan
Subject: FW: Class EA for Wastewater Capacity Improvements in Central Mississauga - Notice of Commencement

Follow Up Flag: FollowUp
Flag Status: Flagged

[FYI – for filing.](#)

From: Borowiec, Laura
Sent: June 14, 2019 12:22 PM
To: Chris Fonseca <Chris.Fonseca@mississauga.ca>
Subject: RE: Class EA for Wastewater Capacity Improvements in Central Mississauga - Notice of Commencement

Hi Linda,

We can be available to meet with Councillor Fonseca later in October when the Project Team will have more substantial information regarding our technical baseline review and existing constraints as well as preliminary alternative strategies.

In the meantime, please let me know if we can start by holding any of the following possible dates:

- Friday, October 18th - morning
- Tuesday, October 22nd – morning or afternoon
- Friday, October 25th - morning

Regards,

Laura Borowiec, P.Eng.

Project Manager

Infrastructure Planning & Studies, Growth, Groundwater & Source Water Protection

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

905-791-7800 Ext. 7681



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From: Chris Fonseca <Chris.Fonseca@mississauga.ca>
Sent: June 10, 2019 11:48 AM

To: Borowiec, Laura <laura.borowiec@peelregion.ca>

Subject: RE: Class EA for Wastewater Capacity Improvements in Central Mississauga - Notice of Commencement

Good Morning Laura,

Councillor Fonseca would be happy to meet. Perhaps a date in September/October would be suitable. Please let us know your thoughts.

Thank you,
Linda

Linda Romano

Executive Assistant

Councillor Chris Fonseca, Ward 3

300 City Centre Drive

Mississauga, Ontario L5B 3C1

Telephone: 905-896-5300

Fax: 905-896-5463



www.chrisfonseca.ca

Join our mailing list

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From: Borowiec, Laura [<mailto:laura.borowiec@peelregion.ca>]

Sent: 2019/05/31 10:54 AM

To: Stephen Dasko; Chris Fonseca; John Kovac; Dipika Damerla

Cc: Iannicca, Nando; Farr, Andrew; Reynolds, Lori; Parente, Anthony; Herod, Sue; Motala, Imran; Polga, Miriam; Chris Campbell - GM BluePlan

Subject: Class EA for Wastewater Capacity Improvements in Central Mississauga - Notice of Commencement

Good Morning Councillors Dasko, Fonseca, Kovac and Damerla,

I am leading a Municipal Class Environmental Assessment (EA) study in wards 1, 3, 4 and 7 for the **Wastewater Capacity Improvements in Central Mississauga**. The Notice of Commencement is provided in the attached file.

The intent of this email is to introduce you to the project and request information about any active community groups that you believe should be included in this Class EA planning process. Public participation is important and we would like to ensure a comprehensive public and agency consultation process.

Anthony Parente, Acting General Manager for the Region of Peel and the project team are available to meet with you should you request it prior to our first Public Information Centre, which is tentatively schedule for January/February 2020.

In the meantime, if you have any questions or comments, please let me know.

Sincerely,

Laura Borowiec, P.Eng.

Project Manager

Infrastructure Planning & Studies, Growth, Groundwater & Source Water Protection

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

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Sandra Anastasio - GM BluePlan

From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Friday, June 14, 2019 11:08 AM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan
Subject: FW: Class EA for Wastewater Capacity Improvements in Central Mississauga - Notice of Commencement

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sandra,

FYI – see email below. Please update our study contact list accordingly.

Thanks,
Laura.

From: Borowiec, Laura
Sent: June 14, 2019 11:06 AM
To: Ayub Khan <Ayub.Khan@mississauga.ca>
Subject: RE: Class EA for Wastewater Capacity Improvements in Central Mississauga - Notice of Commencement

Hi Ayub,

Thank you kindly for this. We will add these residents to our study contact list and look forward to engaging them later in the process.

Regards,

Laura Borowiec, P.Eng.

Project Manager

Infrastructure Planning & Studies, Growth, Groundwater & Source Water Protection

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

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From: Ayub Khan <Ayub.Khan@mississauga.ca>
Sent: June 13, 2019 6:21 PM

To: Borowiec, Laura <laura.borowiec@peelregion.ca>

Subject: RE: Class EA for Wastewater Capacity Improvements in Central Mississauga - Notice of Commencement

Hi Laura,

The following residents from our ward are interested in this Class EA planning process:

[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	

Thanks,
Ayub

Ayub Khan
Administrative Assistant to
Councillor Dipika Damerla, Ward 7
T 905-896-5700



This e-mail may not be forwarded to anyone for any reason without express written permission of the author.

From: Borowiec, Laura [<mailto:laura.borowiec@peelregion.ca>]

Sent: 2019/05/31 10:54 AM

To: Stephen Dasko; Chris Fonseca; John Kovac; Dipika Damerla

Cc: Iannicca, Nando; Farr, Andrew; Reynolds, Lori; Parente, Anthony; Herod, Sue; Motala, Imran; Polga, Miriam; Chris Campbell - GM BluePlan

Subject: Class EA for Wastewater Capacity Improvements in Central Mississauga - Notice of Commencement

Good Morning Councillors Dasko, Fonseca, Kovac and Damerla,

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Anthony Parente, Acting General Manager for the Region of Peel and the project team are available to meet with you should you request it prior to our first Public Information Centre, which is tentatively schedule for January/February 2020.

In the meantime, if you have any questions or comments, please let me know.

Sincerely,

Laura Borowiec, P.Eng.

Project Manager

Infrastructure Planning & Studies, Growth, Groundwater & Source Water Protection

Region of Peel

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Royal Centre 3300 Hwy 7 Suite 402
 Vaughan ON L4K 4M3
 P: 416.703.0667 F: 416.703.2501
 www.gmblueplan.ca

Meeting Agenda

Project:	Wastewater Capacity Improvements for Central Mississauga Class EA	Project No.: 718018
Meeting:	City of Mississauga Introductory Meeting	
Date:	Thursday, June 27, 2019	Time: 10:00 – 11:00 am
Location:	201 City Centre Drive, Mississauga, 8th Floor, Ontario Room Boardroom	
Attendees:		
<u>Region of Peel</u> Laura Borowiec	<u>City of Mississauga</u> Auryn Soares	<u>GM BluePlan</u> Chris Campbell Sandra Anastasio

Agenda Items

1. Safety Minute & Introductions
2. Meeting Objectives
3. Team Communications
4. Study Area & Objectives
5. Workplan Overview & Approach
6. Timeline & Key Milestones
7. Project History & Technical Visioning
8. Existing Conditions
9. Communication Goals & Objectives
10. Request for Information

Schedule 'C' Municipal Class EA for the Wastewater Capacity Improvements for Central Mississauga

Study Introduction – City of Mississauga
June 27, 2019

AGENDA

1. Safety Minute & Introductions
2. Meeting Objectives
3. Team Communications
4. Study Area & Objectives
5. Workplan Overview & Approach
6. Timeline & Key Milestones
7. Project History & Technical Visioning
8. Existing Conditions
9. Communication Goals & Objectives
10. Request for Information

Meeting Objectives

1. Discuss study objectives
2. Ensure communications and next steps are clear
3. Discuss workplan and timelines for key milestones
4. Discuss project history and preliminary visioning

TEAM COMMUNICATIONS

Key Internal Communications Contacts

- **Peel:** Laura Borowiec (Project Manager), Maria Andersen (Communications Specialist)
- **GMBP:** Chris Campbell (Project Manager, EA Lead), Sandra Anastasio (EA Support & Project Coordination)
- **COM:** Auryn Soares (Environmental Services)

Communication

- Confirm protocols and day to day contact

STUDY AREA BACKGROUND

Study Area

- Confederation Pky, Little Etobicoke Cr, QEW
- Cooksville & CPR Trunks Focus

Existing challenges

- Aging, complex interconnections, lack of operational flexibility, wet weather impact, flooding, capacity constraints, access limitations

Project Future Growth

- MCC, Hurontario, Dundas Corridor will require capacity

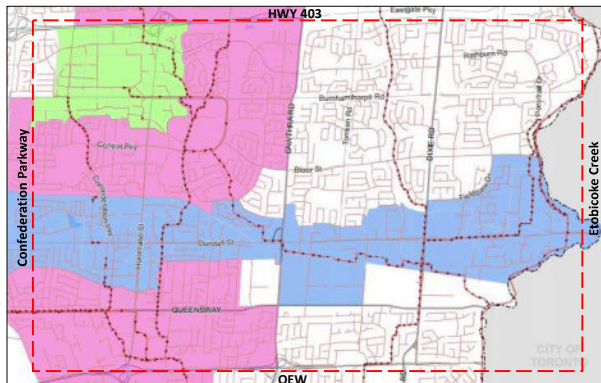


Figure 1 Trunk Sewer System in the Vicinity of the Existing Trunk Sewer

STUDY AREA – CENTRAL MISSISSAUGA

Intensification Areas

- Dundas Corridor
- MCC
- Hurontario Corridor



STUDY OBJECTIVES

Develop an integrated wastewater strategy for the Central Mississauga system to achieve operational flexibility which will enable:

Capacity for growth

- Where will growth occur and what are the impacts?
- What is the optimum solution?

Other Considerations:

Consider wet weather impact

- Where are the main wet weather areas of concern?
- What areas may get worse?
- How best to consider impact and plan for it?

Maintenance and inspection

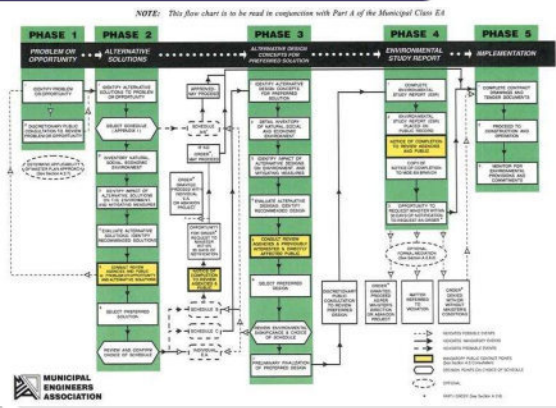
- What are the needs?
- How will we maintain/inspect?
- How can the plan facilitate?

Rehabilitation

- How will the plan enable rehabilitation?



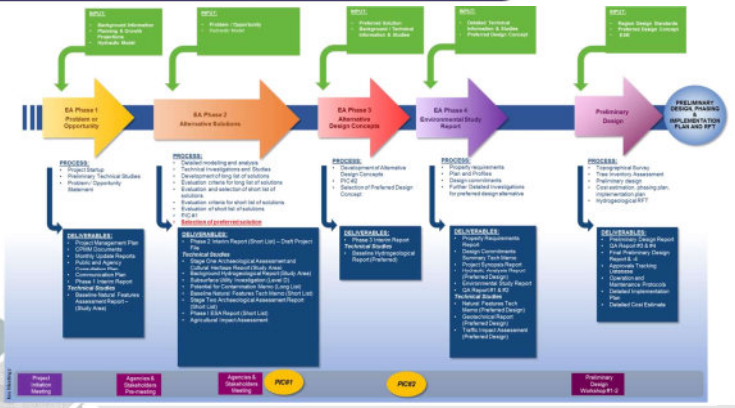
EA PROCESS AND CONSULTATION REQUIREMENTS



June 27, 2019

Study Introduction - City of Mississauga
GM BluePlan

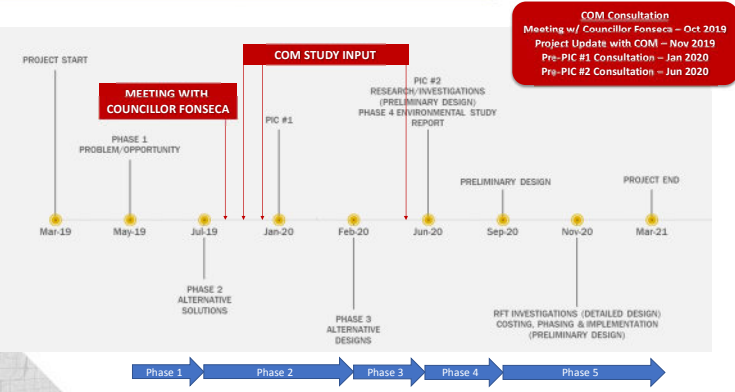
WORKPLAN OVERVIEW



June 27, 2019

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GM BluePlan

TIMELINE & KEY MILESTONES



June 27, 2019

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GM BluePlan

PROJECT UPDATE

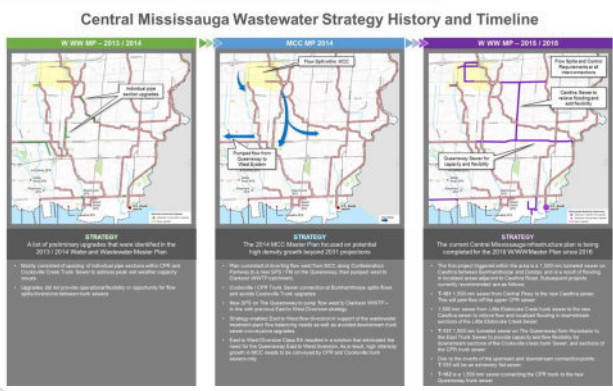


- Notice of Commencement - Thursday, May 30th
- Public and Agency Consultation Plan
- Wastewater Model
- Baseline Discipline Review (Desktops) – Study Area:
 - Natural Environment (Golder)
 - Archaeology (Golder)
 - Cultural Heritage (Golder)
 - Hydrogeology (GMBP)
 - Socio / Economic / Land use (GMBP)
- Technical Baseline

June 27, 2019

Study Introduction - City of Mississauga
GM BluePlan

PROJECT HISTORY



June 27, 2019

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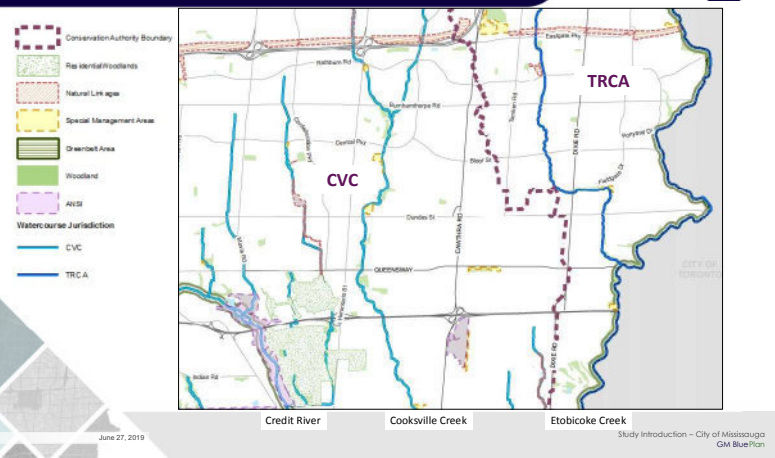
TECHNICAL VISIONING



June 27, 2019

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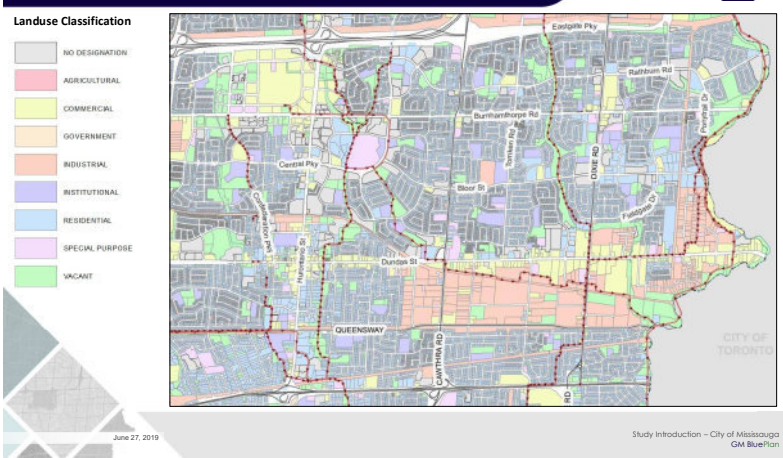
ENVIRONMENTAL CONSTRAINTS



June 27, 2019

Study Introduction - City of Mississauga
GM BluePlan

EXISTING LANDUSE



June 27, 2019

Study Introduction - City of Mississauga
GM BluePlan

COMMUNICATION GOALS AND OBJECTIVES



Goals and Objectives include:

- Meet all legislative requirements for Schedule C Class Environmental Assessments (EAs)
- Build awareness and understanding of EA study and purpose
- Promote active public participation in Public Information Centres (PICs), community events and online feedback mechanisms
- Mitigate project risks
- Build a foundation for future success
- Educate and enhance project understanding and buy-in
- Incorporate the City in project
- Ensure consultation with the City & other key agencies at key milestones
- Communication of key messaging to Council

June 27, 2019

Study Introduction - City of Mississauga
GM BluePlan

REQUEST FOR INFORMATION



- City-owned Road Condition / Planned Projects
- City-owned Storm Sewers and Condition / Planned Projects
- Existing or on-going Class EA Studies within study area
- Natural Environmental Features
- Utility Locations
- Heritage/Archaeological Features
- Areas of cultural significance
- Other

June 27, 2019

Study Introduction - City of Mississauga
GM BluePlan



Royal Centre 3300 Hwy 7 Suite 402
 Vaughan ON L4K 4M3
 P: 416.703.0667 F: 416.703.2501
 www.gmblueplan.ca

Meeting Minutes

Project:	Wastewater Capacity Improvements for Central Mississauga Class EA	Project No.:	718018
Meeting:	City of Mississauga Introductory Meeting		
Date:	Thursday, June 27, 2019	Time:	10:00 – 11:00 am
Location:	201 City Centre Drive, Mississauga, 8th Floor, Ontario Room Boardroom		
Attendees:			
<u>Region of Peel</u>	<u>City of Mississauga</u>	<u>GM BluePlan</u>	
Laura Borowiec (LB) ✓	Auryn Soares (AS) ✓	Chris Campbell (CC) ✓ Sandra Anastasio (SA) ✓	

Item	Actions
1. Key Contacts	1.1 Decision
1.1 AS is the key contact for the City of Mississauga – AS will distribute materials and information to the broader City team	1.2 Decision
1.2 CC, LB and SA to be included on all project correspondence	1.3 AS
1.3 AS to provide a list of departments that would be involved in this study (flow diagram)	1.4 CC / LB
1.4 Discussion required to determine if all Councillors should be included in the contact list	1.5 SA
1.5 SA to send AS the key contacts for TRCA and CVC	
2. Stakeholder Consultation / Study Area	2.1 SA
2.1 SA to provide City with delineated catchment of the study area	2.2 AS
2.2 AS to send contact information for City Communications Lead	2.3 Peel
2.3 Maria Anderson to contact COM communications lead to discuss incorporating City branding “Building Downtown Together” (similar to Burnhamthorpe Watermain)	2.4 Information
2.4 Potential PIC locations to consider (will narrow down based on alternatives/shaft locations) – Libraries, Schools, Living Arts Centre, COM Building, Community Centres	2.5 GMBP

<p>2.5 Indigenous Communities – Through the project, GMBP will extend invitation to the named communities for involvement in EA process</p>	
<p>3. Meetings with the City</p> <p>3.1 Project Update Meeting (Nov 2019) – update the City on project to date and discuss preliminary alternatives (to include broader City team)</p> <p>3.2 Pre-PIC #1 Meeting (Jan 2020) – discuss the material to be presented at PIC #1 (to include broader City team)</p> <p>3.3 Pre-PIC #2 Meeting (June 2020) – discuss the material to be presented at PIC #2 (to include broader City team)</p>	<p>3.1 Information</p> <p>3.2 Information</p> <p>3.3 Information</p>
<p>4. Request for Information</p> <p>4.1 GMBP to provide RFI list to support the project</p>	<p>4.1 GMBP</p>

Sandra Anastasio - GM BluePlan

From: Auryn Soares <Auryn.Soares@mississauga.ca>
Sent: Friday, September 06, 2019 4:31 PM
To: Sandra Anastasio - GM BluePlan
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Chris Campbell - GM BluePlan; Scott Perry
Subject: ROP EA Wastewater Capacity Improvements in Central Mississauga - City of Mississauga Comments
Attachments: City of Mississauga Comments - ROP EA Wastewater Capacity Improvements i....pdf
Follow Up Flag: Follow up
Flag Status: Completed

Hello Sandra,

Thank you for the opportunity to provide feedback on the subject project. The project brief presented at the introductory meeting on June 27th, 2019 had been circulated to staff at the City of Mississauga and the feedback received has been attached for your consideration. Since the size of the attachments may exceed email limits, some files may be delivered separately.

If you have any questions, please feel free to contact me directly.

Regards,



Auryn Soares

Storm Drainage Coordinator, Environmental Services
T 905-615-3200 ext.3363
auryn.soares@mississauga.ca

[City of Mississauga](#) | Transportation & Works Department,
Infrastructure Planning & Engineering Services Division

Sandra Anastasio
Infrastructure Planning
GM BluePlan Engineering Limited
Royal Centre, 3300 Highway No. 7, Suite 402
Vaughan ON L4K 4M3

City of Mississauga
Transportation & Works
Suite 800 - 201 City Centre Drive
Mississauga ON L5B 4E4

September 6, 2019

Re: Region of Peel Wastewater Capacity Improvements in Central Mississauga Class EA - City of Mississauga Feedback.

Dear Ms. Anastasio,

Thank you for the opportunity to provide feedback on the subject project. The project brief presented at the introductory meeting on June 27th, 2019 had been circulated to staff at the City of Mississauga and the feedback received has been compiled below for your consideration.

Transportation & Works

1. Within parts of the work area, the City is currently investigating the need for various projects for flood mitigation, drainage improvements and watercourse erosion control. City and Peel staff shall coordinate these works as more details regarding location and scope become available.
2. Please follow the link to the City's Capital Infrastructure Plan Map at: https://drive.google.com/open?id=1v9_x7WAI5KK12mrbiijyZT_ZhCt8pXoX&usp=sharing to identify City projects under consideration, including those for major roads, intersection improvements, grade separation/new structures, bridge/culverts, noise walls, sidewalks, cycling and watercourse erosion control.
3. MiWay has services that will be impacted by this project. Please refer to the attached 2020 Service Map. Please keep us in circulation for this project in order to provide more info as the project progresses.

Community Services

4. Given the large study area and unknown impacts to City owned facilities, parkland and greenlands - Park Planning requests the consulting EA lead identify City of Mississauga assets that may be impacted by Wastewater Improvements. Additional information and commenting will be provided once an infrastructure alignment is under consideration.
5. Please refer to the attached Parks & Schools & Facilities Map which identifies City assets. Staff will provide additional direction of any proposed alignment once a detailed design is under review where impacts to City lands can be assessed. Should further information be required, please contact Jim Greenfield, Park Planner, Community Services Department at 905-615-3200 ext. 8538.
6. Please be advised that a Heritage Impact Assessment and an Archaeological Assessment are required. Please have the proponent contact Brent Rice (ext. 3717) in Geomatics to acquire the list/mapping of heritage properties in the study area.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

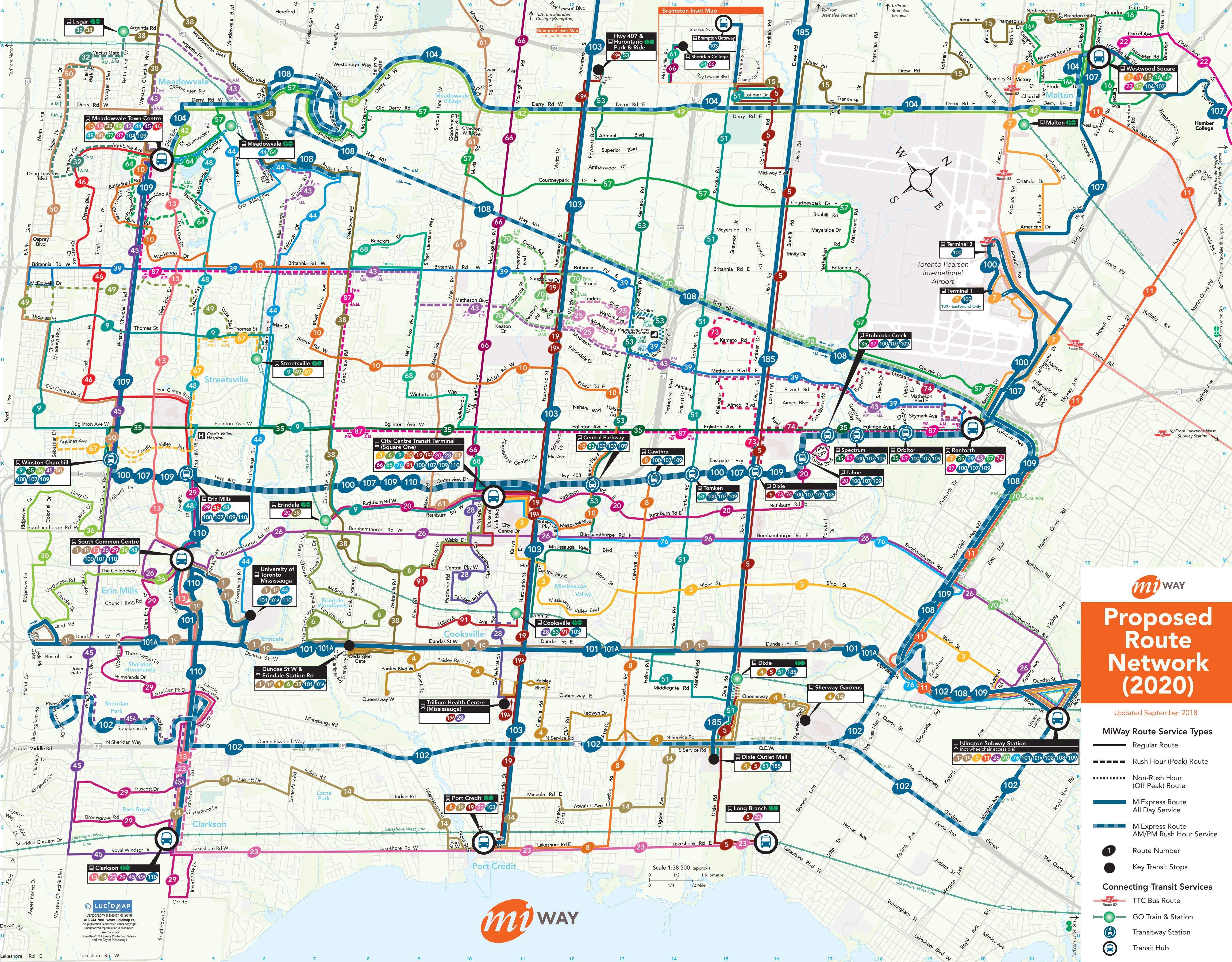
Sincerely,



Auryn Soares
Storm Drainage Coordinator
Environmental Services
City of Mississauga
T 905-615-3200 ext.3363
auryn.soares@mississauga.ca

cc. Scott Perry, City of Mississauga (via email)
cc. Laura Borowiec, Region of Peel (via email)
cc. Chris Campbell, GM BluePlan (via email)

attch: Mi-Way 2020 Service Map (PDF)
attch: Parks & Schools & Facilities Map (PDF)



miWAY

Proposed Route Network (2020)

Updated September 2018

MiWay Route Service Types

- Regular Route
- Rush Hour (Peak) Route
- Non-Rush Hour (Off Peak) Route
- MiExpress Route All Day Service
- MiExpress Route AM/PM Rush Hour Service

- Route Number
- Key Transit Stops

Connecting Transit Services

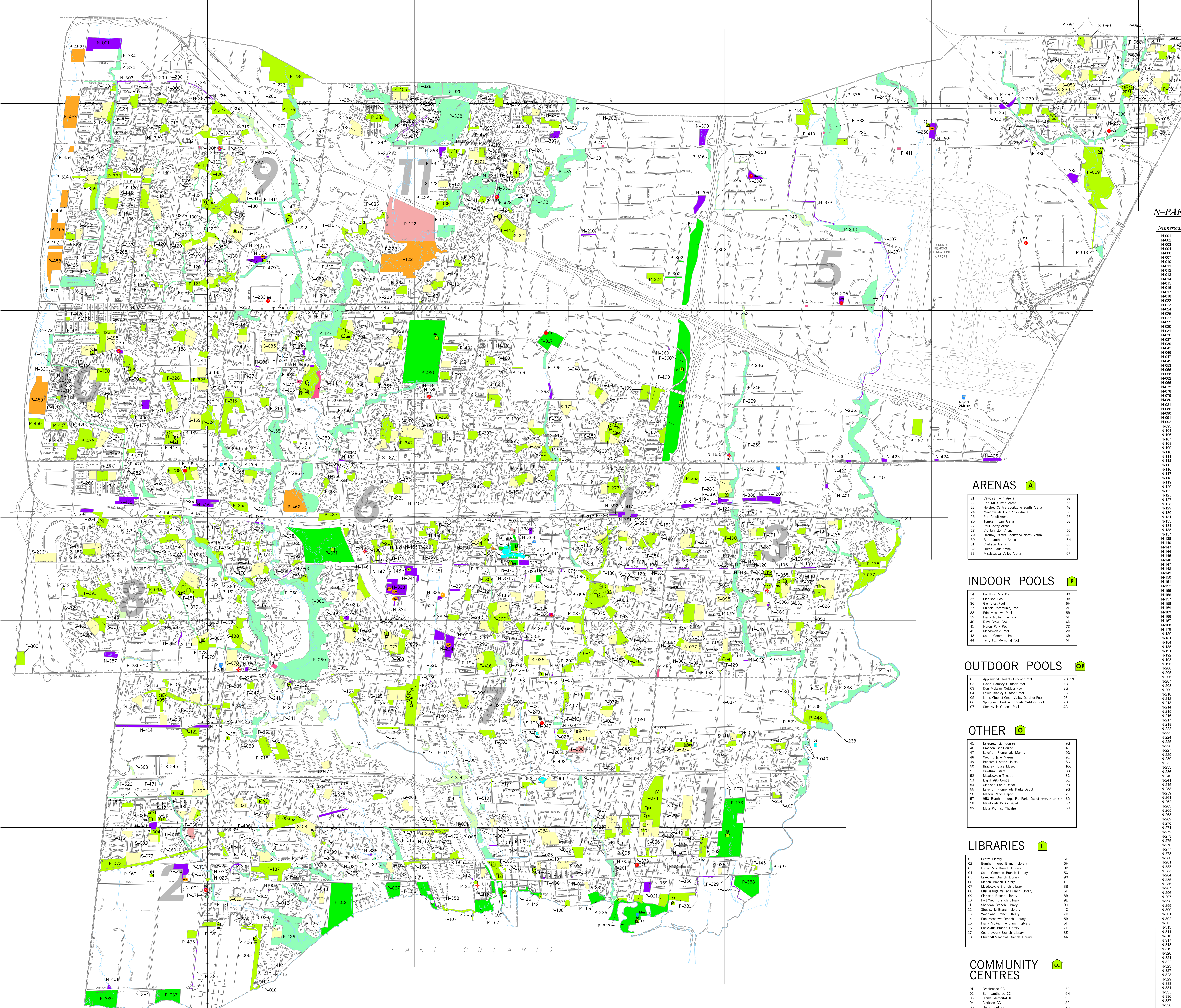
- TTC Bus Route
- GO Train & Station
- Transitway Station
- Transit Hub

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Scale 1:38 500 (approx.)
0 1/2 1 Kilometre
0 1/4 1/2 Mile

PARKS & SCHOOLS & FACILITIES



N-PARK		SCHOOL INDEX		PARK INDEX		PARK INDEX	
Nominal	Abbrevial	Nominal	Abbrevial	Nominal	Abbrevial	Nominal	Abbrevial
01	Adelphi Park	01	A. G. Sifton S.	01	A. G. Sifton Park	01	A. G. Sifton Park
02	Agincourt Park	02	Agincourt S.	02	Agincourt Park	02	Agincourt Park
03	Albion Park	03	Albion S.	03	Albion Park	03	Albion Park
04	Appleton Park	04	Appleton S.	04	Appleton Park	04	Appleton Park
05	Ashton Park	05	Ashton S.	05	Ashton Park	05	Ashton Park
06	Ashurst Park	06	Ashurst S.	06	Ashurst Park	06	Ashurst Park
07	Aurora Park	07	Aurora S.	07	Aurora Park	07	Aurora Park
08	Ayerly Park	08	Ayerly S.	08	Ayerly Park	08	Ayerly Park
09	Bancroft Park	09	Bancroft S.	09	Bancroft Park	09	Bancroft Park
10	Barnes Park	10	Barnes S.	10	Barnes Park	10	Barnes Park
11	Bassett Park	11	Bassett S.	11	Bassett Park	11	Bassett Park
12	Beechcroft Park	12	Beechcroft S.	12	Beechcroft Park	12	Beechcroft Park
13	Belknap Park	13	Belknap S.	13	Belknap Park	13	Belknap Park
14	Belmont Park	14	Belmont S.	14	Belmont Park	14	Belmont Park
15	Bellamy Park	15	Bellamy S.	15	Bellamy Park	15	Bellamy Park
16	Bellamy Park	16	Bellamy S.	16	Bellamy Park	16	Bellamy Park
17	Bellamy Park	17	Bellamy S.	17	Bellamy Park	17	Bellamy Park
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36	Bellamy Park	36	Bellamy S.	36	Bellamy Park	36	Bellamy Park
37	Bellamy Park	37	Bellamy S.	37	Bellamy Park	37	Bellamy Park
38	Bellamy Park	38	Bellamy S.	38	Bellamy Park	38	Bellamy Park
39	Bellamy Park	39	Bellamy S.	39	Bellamy Park	39	Bellamy Park
40	Bellamy Park	40	Bellamy S.	40	Bellamy Park	40	Bellamy Park

ARENAS

INDOOR POOLS

OUTDOOR POOLS

OTHER

LIBRARIES

COMMUNITY CENTRES

HOSPITALS

FIRE HALLS

FACILITIES LEGEND

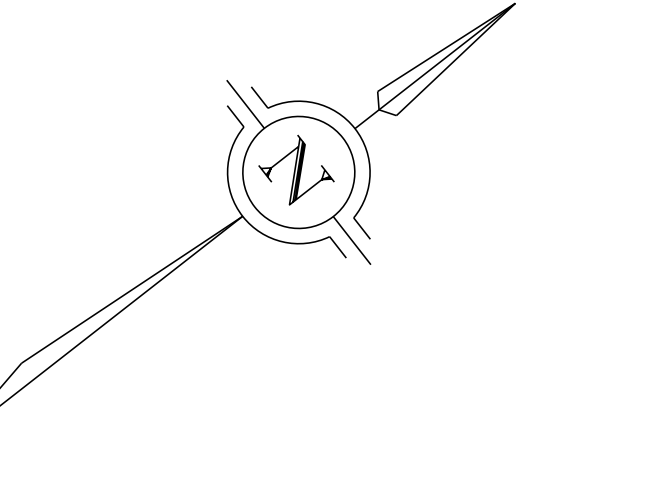
- Fire Station
- Police Station (Pest)
- Police Station (O.P.P.)
- Hospital
- Mississauga Library System
- Transportation & Works
- Community Centres
- Recreation Facilities
- Animal Services

LEGEND

- Community Parkland
- Park Under Construction
- Destination Parkland
- Undeveloped
- Cemetery
- Schools
- Other Parkland (N-Park)
- POPS

WARD BOUNDARIES

- City Boundary
- Hydro Transmission Line
- GO Transit Station
- Railway Lines
- Ward Boundaries
- Ward Number 3



MISSISSAUGA
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DATE: January 2019 (Park Shapes Updated)

Sandra Anastasio - GM BluePlan

From: Auryn Soares <Auryn.Soares@mississauga.ca>
Sent: Monday, September 16, 2019 2:05 PM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan
Subject: RE: ROP EA Wastewater Capacity Improvements in Central Mississauga - City of Mississauga Comments

Hi Sandra,

Have you tried to copy and paste the link into your browser? I believe it should work but please let me know if it doesn't.

Also, please continue to send notices and correspondences on this project to myself as the City's main point of contact. If you require specific information from Parks Planning, you may contact Jim Greenfield directly and copy myself.

Jim Greenfield
Park Planner
Community Services Department
City of Mississauga
Jim.Greenfield@mississauga.ca
905-615-3200 ext. 8538.

Regards,



Auryn Soares

Storm Drainage Coordinator, Environmental Services
T 905-615-3200 ext.3363
auryn.soares@mississauga.ca

[City of Mississauga](#) | Transportation & Works Department,
Infrastructure Planning & Engineering Services Division

From: Sandra Anastasio - GM BluePlan [mailto:Sandra.Anastasio@gmblueplan.ca]
Sent: September 12, 2019 11:42 AM
To: Auryn Soares
Cc: Chris Campbell - GM BluePlan
Subject: RE: ROP EA Wastewater Capacity Improvements in Central Mississauga - City of Mississauga Comments

Hi Auryn,

Thank you for providing this information. In the attached letter, I am not able to access the link provided to the City's Capital Infrastructure Plan Map. Can you please provide a new link?

Would you like me to add the Parks Planning contact to the stakeholder list to receive future notices. If so, please provide their contact information.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Auryn Soares <Auryn.Souares@mississauga.ca>
Sent: Friday, September 06, 2019 4:31 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Scott Perry <Scott.Perry@mississauga.ca>
Subject: ROP EA Wastewater Capacity Improvements in Central Mississauga - City of Mississauga Comments

Hello Sandra,

Thank you for the opportunity to provide feedback on the subject project. The project brief presented at the introductory meeting on June 27th, 2019 had been circulated to staff at the City of Mississauga and the feedback received has been attached for your consideration. Since the size of the attachments may exceed email limits, some files may be delivered separately.

If you have any questions, please feel free to contact me directly.

Regards,



Auryn Soares

Storm Drainage Coordinator, Environmental Services
T 905-615-3200 ext.3363
auryn.soares@mississauga.ca

[City of Mississauga](http://www.mississauga.ca) | Transportation & Works Department,
Infrastructure Planning & Engineering Services Division

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Sandra Anastasio - GM BluePlan

From: Gino Dela Cruz <gino.delacruz@mississauga.ca>
Sent: Monday, September 30, 2019 3:26 PM
To: Sandra Anastasio - GM BluePlan
Cc: Aurn Soares
Subject: RE: Peel Central Miss EA - RFI

Follow Up Flag: FollowUp
Flag Status: Flagged

Hi Sandra,

The City's transportation EAs can be found on our website, and it includes ongoing as well as recently completed EAs. Please see the link below and let me know if you have any questions.

<http://www.mississauga.ca/portal/residents/roads>

The ones that seem to be inside your study area are:

- Burnhamthorpe Rd East Reconstruction (not EA)
- Living Arts Drive Extension EA
- EAs for Redmond Rd, Webb Dr, The Exchange, and Kariya Dr
- Square One Drive EA



Gino Dela Cruz, P.Eng.
Transportation Project Engineer
T 905-615-3200 ext.8769
gino.delacruz@mississauga.ca

[City of Mississauga](#) | Transportation and Works Department,
Infrastructure Planning and Engineering Services Division

Please consider the environment before printing.

From: Sandra Anastasio - GM BluePlan [mailto:Sandra.Anastasio@gmblueplan.ca]
Sent: September 18, 2019 3:19 PM
To: Aurn Soares
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: Peel Central Miss EA - RFI

Hi Aurn,

In addition to the information provided, I reviewed the meeting minutes from our meeting on June 27th and I've noted below some outstanding RFI items. Please let me know if this information is available and if so, when you can provide:

- Existing or ongoing Class EA studies within study area
- Utility locations
- Storm sewer pipes/manholes (City-owned)

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

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t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Friday, December 13, 2019 10:18 AM
To: Aurn Soares
Cc: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: Wastewater Capacity Improvements in Central Mississauga EA - Utilities

Hi Aurn,

I hope you're doing well. I just called you and thought it best to follow up by email.

As we continue to work through our Class EA study, we continue to refine the alternative routes and sites we are considering. At this point in time, we would like to engage with the utility groups that are located along Queensway. I was thinking whether or not this could be coordinated through your Public Utility Coordination Committee (PUCC)? Especially if the City has a group that meets monthly, that we could perhaps attend the next meeting and request to be added to the agenda?

Just a thought. Let me know what you think.

Thanks,

Laura Borowiec, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
905-791-7800 Ext. 7681



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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Friday, January 31, 2020 9:28 AM
To: 'Evelyn Krolicka'
Cc: Auryn Soares; Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; 'justin.lee@peelregion.ca'
Subject: RE: ROP EA Wastewater Capacity Improvements in Central Mississauga

Hi Evelyn,

Thank you for letting me know. Going forward, I will send you any study correspondence and Notices for the City.

Once the meeting materials are finalized, I will send them to you for review before the meeting.

Have a great weekend!
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

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t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Friday, January 31, 2020 9:12 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Auryn Soares <Auryn.Soares@mississauga.ca>
Subject: ROP EA Wastewater Capacity Improvements in Central Mississauga

Good Morning Sandra,

Happy Friday!

In the past you have coordinated the city involvement for the ROP Wastewater Capacity Improvements project with my colleague Auryn. We are slowly transitioning these responsibilities to myself; when the background information is ready for our meeting on Feb 10th please send the information directly to me as I will be the new Lead Contact. If you have any questions you can reach me at the number below or at my email.

Thanks,



Evelyn Krolicka
Storm Drainage Technologist

T 905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

[City of Mississauga](#) | Transportation & Works Department
Infrastructure Planning and Engineering Services Division

Please consider the environment before printing.

Sandra Anastasio - GM BluePlan

From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Tuesday, March 03, 2020 11:23 AM
To: Sandra Anastasio - GM BluePlan
Cc: Lee, Justin; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Chris Campbell - GM BluePlan
Subject: RE: Peel WW Capacity Improvements in Central Miss - Notice of PIC#1

Sandra,

Thanks for the update. Please keep us in the loop!
Let me know if you have any questions.



Evelyn Krolicka
Storm Drainage Technologist
T 905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

[City of Mississauga](#) | Transportation & Works Department
Infrastructure Planning and Engineering Services Division

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From: Sandra Anastasio - GM BluePlan [mailto:Sandra.Anastasio@gmblueplan.ca]
Sent: 2020/03/03 10:27 AM
To: Evelyn Krolicka
Cc: Lee, Justin; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Chris Campbell - GM BluePlan
Subject: RE: Peel WW Capacity Improvements in Central Miss - Notice of PIC#1

Hi Evelyn,

We appreciate the comments received from the City team regarding the Central Mississauga EA. We are currently completing Phase 2 of the EA process. During the next phase of this project, we will be selecting the design concepts for the preferred solution, looking into more detail on the alignment, shaft locations, easements and properties. During the next phase, we will be better able to address the City's comments. As we continue with the EA process, we will take the City's comments into considerations and send any updates to the comments as they are being addressed.

Let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Monday, March 02, 2020 3:50 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Peel WW Capacity Improvements in Central Miss - Notice of PIC#1

Sandra,

Thank you for sending this through, it has been circulated to city staff.
Next, may you please provide responses to the comments provided by city staff. I know you are busy with the upcoming PIC so the end of next week is fine.

Let me know if you have any questions.

Regards,



Evelyn Krolicka
Storm Drainage Technologist
T 905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

[City of Mississauga](#) | Transportation & Works Department
Infrastructure Planning and Engineering Services Division

Please consider the environment before printing.

From: Sandra Anastasio - GM BluePlan [<mailto:Sandra.Anastasio@gmblueplan.ca>]
Sent: 2020/02/27 11:38 AM
To: Evelyn Krolicka
Cc: Lee, Justin; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Chris Campbell - GM BluePlan
Subject: Peel WW Capacity Improvements in Central Miss - Notice of PIC#1

Hello Evelyn,

Attached is a Notice of Public Information Centre (PIC) #1 for the Region of Peel Wastewater Capacity Improvements for Central Mississauga Municipal Class Environmental Assessment (EA) (Schedule 'C').

Please let me know if you have any questions.

Best Regards,

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

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Sandra Anastasio
GM BluePlan Engineering Limited
3300 Highway No. 7, Suite 402
Vaughan ON
L4K 4M3

City of Mississauga
Transportation & Works
Suite 800 - 201 City Centre Drive
Mississauga ON L5B 4E4

February 24, 2020

Re: Region of Peel Wastewater Capacity Improvements in Central Mississauga- City of Mississauga Feedback on Project Briefing.

Dear Sandra Anastasio,

Thank you for the opportunity to provide feedback on the subject project. The project briefing presented at the meeting on **February 10th, 2020** had been circulated to staff at the City of Mississauga and the feedback received has been compiled below for your consideration.

Transportation & Works

1. The City notes that a number of shaft locations will be required as part of the Region's proposed work. In order to mitigate potential impacts to City storm servicing in the vicinity of the selected shaft locations, the Region shall:
 - a. Ensure that the collection of storm runoff continues unabated by construction activities at each shaft location for the duration of construction i.e. catch basins/inlets will remain unobstructed by construction barriers, debris, equipment etc.
2. If there are any proposed relocations, adjustments or alterations to the City's storm infrastructure, the Region shall:
 - a. Demonstrate that there will be no negative hydraulic impacts;
 - b. Provide detailed designs to City staff for review;
 - c. Complete a pre- and post-construction CCTV inspection of the affected storm infrastructure to the satisfaction of City staff. All inspections and associated reporting shall conform to current NASSCO standards. The Region must provide the condition report and video file to City;
 - d. Provide the City with as-constructed drawings and CAD files detailing any revisions/alterations.
3. Further, for any proposed utilities adjacent to the City's storm sewers, the Region shall:
 - a. Ensure that there is a minimum 0.5 m OD-OD vertical clearance for all storm sewer crossings; and
 - b. Ensure that there is a minimum 2.5 m OD-OD horizontal clearance.

Community Services

1. Please provide updated shaft locations when available. Updated drawings should include more details such as property boundary lines, encroachment etc.
2. Many of the proposed shaft locations are in close proximity to trees. For any location where construction works are proposed, the city will need to review planned construction access routes, construction hoarding, tree protection measures, and in case of removal tree compensation planting plans. Removal/ replacement fees will apply. If trees are to be preserved, construction limits need to be outside of tree driplines.
3. Please consult city Legal/ Realty department about any risk associated with tunneling beneath city property.
4. Depth of tunneling is to be provided, so any impacts to surface assets will need to be reviewed and associated risks assessed.
5. Comments on specific shaft locations:

- a. **Central Parkway and Burhamthorpe Road**
 - i. NW Corner, NE Corner, SW Corner and SE Corner- Please provide more information as per comment 2 in Community Services regarding the existing trees.
 - ii. NW Corner, NE Corner and SE Corner- Please provide more details on multi use trail closures. Transportation and Works (T&W) can provide feedback on impacts to trail.
- b. **Cawthra Road and Burhamthorpe Road**
 - i. NW Corner and NE Corner- Only construction access from Burnhamthorpe would be permitted.
 - ii. NW Corner, NE Corner, SW Corner and SE Corner locations- Please provide more information as per comment 2 in Community Services regarding the existing trees.
 - iii. NW Corner- Please provide more details on multi use trail closures. Transportation and Works (T&W) can provide feedback on impacts to trail.
- c. **Cawthra Road and Dundas Street**
 - i. "Jug Handle" E of Cawthra, SW Corner and SE Corner locations- Please provide more information as per comment 2 in Community Services regarding the existing trees
 - ii. Hoarding already present at Jug Handle E of Cawthra
- d. **Queensway and Hurontario Street**
 - i. Contact LRT office for comments on future permanent LRT infrastructure at this location
 - ii. SE Corner- Please provide more information as per comment 2 in Community Services regarding the existing trees.
- e. **Queensway and Cooksville Creek**
 - i. N side of Queensway
 - 1. Shift location east, away from creek; Consult CVC for more comments
 - 2. Ensure location remains outside of city property
 - 3. Please provide more information as per comment number 2 in Community Services regarding the existing trees.
 - ii. S side of Queensway- Site would encroach on wooded parkland and is not a viable option
- f. **Tedlo Street and Queensway**
 - i. West of Tedlo along Queensway and NW Corner locations- Lots of trees. Please provide more information as per comment 2 in Community Services regarding the existing trees.
 - ii. NW Corner, SE Corner and W of Tedlo locations- Any potential impacts on existing multi-use trail would need to be disclosed and approved by City; if trail realignment is required, this would have to be reviewed and approved by the City; alternate trail route during construction would need to be provided
- g. **Haines Road and Queensway**
 - i. S Side of Queensway- Heavily treed; Please provide more information as per comment 2 in Community Services regarding the existing trees. Any potential impacts on existing multi-use trail would need to be disclosed and approved by City; if trail realignment is required, this would have to be reviewed and approved by the City; alternate trail route during construction would need to be provided
- h. **Queensway East of Dixie and Queensway Locations**
 - i. W of City parkland
 - 1. Not City property, but City owns the land to the N of this location
 - 2. City has development plans under review for this area (Loreland trail connection/Works yard/proposed bridge location); defer to City's Transportation and Works department for comment regarding multi use trail development and potential future roadway.
 - ii. E of Sherway Drive
 - 1. No construction site access via pedestrian bridge will be permitted.
 - 2. The bridge in this location is a Heritage Bridge and the City will require more details on protection measures and monitoring during construction. The City of Mississauga has a bridge restoration project underway in partnership with the City of Toronto. The rehabilitation design is tentatively scheduled for completion in Q3 2020, with construction in Q1 2021. The proposed shaft location may conflict with the bridge rehabilitation project.
 - iii. S side of Queensway and E of Sherway Drive- Please provide more information as per comment 2 in Community Services regarding the existing trees.
 - iv. Any potential impacts on existing multi-use trail would need to be disclosed and approved by City; if trail realignment is required, this would have to be reviewed and approved by the City; alternate trail route during construction would need to be provided

Corporate Services

1. Out of the 15 potential tunnel shaft locations, please specify how many will be located on city property.
2. Of the preferred alignment how many city PINS would you require and easement over.
3. Please provide proposed approximate construction schedule. This is required to determine if there is adequate time and resources available to obtain agreements for properties.
4. The depth to pipe provided on the drawings; please provide corresponding easement widths.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Sincerely,



Evelyn Krolicka

Storm Drainage Technologist

Environmental Services

City of Mississauga

T 905-615-3200 ext.5921

evelyn.krolicka@mississauga.ca

cc. Sandra Anastasio- GM Blueplan

cc. Chris Campbell- GM Blueplan

cc. Justin Lee- Region of Peel

cc. Laura Borowiec- Region of Peel

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Thursday, March 19, 2020 5:23 PM
To: 'Evelyn Krolicka'
Cc: Lee, Justin; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Chris Campbell - GM BluePlan
Subject: RE: Peel WW Capacity Improvements in Central Miss - Notice of PIC#1

Hi Evelyn,

Thank you for providing these additional comments from MiWay. We will review the attachment and let you know if we have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Wednesday, March 18, 2020 3:28 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Peel WW Capacity Improvements in Central Miss - Notice of PIC#1

Sandra,

Hope you're doing well.

MiWay has just got back to me with a memo regarding their comments and concerns for the WW Capacity Improvements in Central Mississauga. Please see the attached memo and let me know if you have any questions.

Thanks,



Evelyn Krolicka
Storm Drainage Technologist
T 905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

Please consider the environment before printing.

From: Sandra Anastasio - GM BluePlan [<mailto:Sandra.Anastasio@gmblueplan.ca>]
Sent: 2020/03/03 10:27 AM
To: Evelyn Krolicka
Cc: Lee, Justin; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Chris Campbell - GM BluePlan
Subject: RE: Peel WW Capacity Improvements in Central Miss - Notice of PIC#1

Hi Evelyn,

We appreciate the comments received from the City team regarding the Central Mississauga EA. We are currently completing Phase 2 of the EA process. During the next phase of this project, we will be selecting the design concepts for the preferred solution, looking into more detail on the alignment, shaft locations, easements and properties. During the next phase, we will be better able to address the City's comments. As we continue with the EA process, we will take the City's comments into considerations and send any updates to the comments as they are being addressed.

Let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Monday, March 02, 2020 3:50 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Peel WW Capacity Improvements in Central Miss - Notice of PIC#1

Sandra,

Thank you for sending this through, it has been circulated to city staff.
Next, may you please provide responses to the comments provided by city staff. I know you are busy with the upcoming PIC so the end of next week is fine.

Let me know if you have any questions.

Regards,

Evelyn Krolicka
Storm Drainage Technologist
T 905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

[City of Mississauga](#) | Transportation & Works Department
Infrastructure Planning and Engineering Services Division

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From: Sandra Anastasio - GM BluePlan [<mailto:Sandra.Anastasio@gmblueplan.ca>]
Sent: 2020/02/27 11:38 AM
To: Evelyn Krolicka
Cc: Lee, Justin; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Chris Campbell - GM BluePlan
Subject: Peel WW Capacity Improvements in Central Miss - Notice of PIC#1

Hello Evelyn,

Attached is a Notice of Public Information Centre (PIC) #1 for the Region of Peel Wastewater Capacity Improvements for Central Mississauga Municipal Class Environmental Assessment (EA) (Schedule 'C').

Please let me know if you have any questions.

Best Regards,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
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N O T I C E - This message from GM BluePlan Engineering Limited is intended only for the use of the individual or entity to which it is addressed and may contain information which is privileged, confidential or proprietary. Internet communications cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, arrive late or contain viruses. By communicating with us via e-mail, you accept such risks. When addressed to our clients, any information, drawings, opinions or advice (collectively, "information") contained in this e-mail is subject to the terms and conditions expressed in the governing agreements. Where no such agreement exists, the recipient shall neither rely upon nor disclose to others, such information without our written consent. Unless otherwise agreed, we do not assume any liability with respect to the accuracy or completeness of the information set out in this e-mail. If you have received this message in error, please notify us immediately by return e-mail and delete the message from your computer systems.

Memorandum



To: Evelyn Krolicka, Infrastructure Planning and Engineering Services Division
From: Jacqueline Elias, MiWay
Date: March 18, 2020
Subject: Region of Peel: Wastewater Capacity Improvements for Central Mississauga - MiWay Comments

The following memo outlines MiWay's transit infrastructure requirements to be considered as part of the Region of Peel: Wastewater Capacity Improvements for Central Mississauga project.

Impacts to existing stops:

Please be advised that MiWay service will be impacted during the construction of this project and there are existing transit stops with concrete bus pads (and shelters at some locations) located within the Study area and proposed shaft locations that will be affected. All appropriate drawings shall clearly depict the location of all bus stops/pads and shelters. The stops affected by the proposed shaft locations are noted below.

Stop Numbers and Descriptions/Intersections:

3284 - CENTRAL PKY at BURNHAMTHORPE RD
1566 - BURNHAMTHORPE RD at CENTRAL PKY E
3283 - CENTRAL PKY at BURNHAMTHORPE RD
1274 - BURNHAMTHORPE RD at CENTRAL PKY E
1563 - BURNHAMTHORPE RD at CAWTHRA RD
1283 - DUNDAS ST at CAWTHRA RD
0856 - DUNDAS ST east of CAWTHRA RD
0724 - HURONTARIO ST at QUEENSWAY

Consideration for Potential Impacts and Mitigation during Construction:

Please be advised that MiWay has guidelines for transit stops that will be impacted by works. These guidelines are noted below for your reference and for inclusion into the Project Report as necessary:

Temporary Transit Stops:

- The function of this bus stop is to be maintained and shall remain in its current location. Should maintaining this stop not be feasible due to construction impacts, a temporary bus stop location shall be proposed.
- An alternative stop location shall be provided as close to the original stop location as possible. In consultation with MiWay's Infrastructure Management staff, a barrier-free, accessible temporary stop with connections to the existing sidewalk shall be provided.
- MiWay requires a 15 metre longitudinal clearance from the proposed stop marker (stop marker indicates where a bus comes to a stop) to provide safe access for passengers exiting from the back doors of a 40ft and 60ft bus. The requested 15 metre clearance shall be free of all trees and grates (or any other street furniture).

- Convenient and accessible pedestrian linkages are to be provided between the existing sidewalk network and MiWay services/stops. Pedestrian walkway connections to the existing municipal sidewalk are necessary to ensure accessibility, reduce walking time and encourage transit use.
- Where a temporary stop is required for less than one month, a hard gravel landing surface (bus stop pad) shall be provided. A level asphalt or concrete bus stop pad surface meeting accessibility requirements shall be provided at temporary bus stops locations that will be in place for more than one month.
- Where the temporary bus stop is replacing an existing bus stop with a shelter, a shelter shall be provided at temporary bus stops locations existing for more than four months.

Infrastructure Costs:

- The cost of any boulevard improvements/reinstatement, including any impact to MiWay infrastructure, as necessary to accommodate this construction shall be borne by the contractor.
- Please be advised that all costs associated with the removal and reinstatement of existing transit shelters will be the responsibility of the proponent with the work being completed by MiWay's Shelter Contractor. Payment for relocating a transit shelter must be arranged directly with the shelter contractor prior to the shelter being removed and/or relocated. MiWay's Infrastructure Management Team coordinates stop and shelter relocations and must be contacted at least two weeks prior to the commencement of construction.
- The applicant is to be advised that all costs associated with the relocation and/or reinstatement of the transit infrastructure mentioned above (bus bay, shelter) will be the responsibility of the proponent.

Lane Disruptions (lane widths)

- Please be advised that full road closures will not be supported by MiWay.
- Information on possible lane reductions must be communicated to MiWay staff as per MiWay's Standard Notification schedule.
- For all roadways that are serviced by MiWay routes, please be advised that MiWay requires lane widths of 3.5 metres.

Standard Transit Drawings:

- The applicant is advised that MiWay's standard drawings are available on-line as part of the Standard Drawings Manual for the Transportation and Works Department, City of Mississauga (Available at: <http://www.mississauga.ca/portal/business/transit>)

Contact Information:

- Should any road/boulevard works (including lane disruptions) impact existing transit infrastructure (stops or shelters) or service (routes), the applicant is required to contact MiWay's Infrastructure



Management Section at 905 615-3200 ext. 3825 or MiWay.Infrastructure@mississauga.ca at least two weeks prior to submission of the Road Occupancy Permit (ROP), and include information on the proposed traffic management plans.

Major construction impact: *(more than 2-3 months of impact)*

- MiWay to be notified at start of study
- Involve Infrastructure Management during detail design/construction staging plan
- When construction directly impacts transit service, then the following notification schedule should be followed:
 - o Minimum 4 month notice of construction activities that are longer than 2-3 months
 - o Minimum 4 weeks notice of construction activities that are less than 2 months (assuming there are no major impacts to transit service/infrastructure)
 - o During construction, a 2 weeks look-ahead schedule should be provided detailing daily modification of construction activities
 - o 2 business days notice of ad-hoc/daily modification of construction activities
 - o Immediate notice in case of emergency to Transit Operations:
 - Transit Control Centre – (905) 615-3879
 - Transit Control Centre – (905) 615-3200 Ext. 5726
 - o For all construction communication/notification, MiWay Infrastructure Management staff shall be contacted. Contact information provided below:
 - Bryan MacMillan, Transit Infrastructure Coordinator - (905) 615-3200 Ext. 3825
 - Dana Glofcheskie, Supervisor of Transit Infrastructure Management - (905) 615-3200 Ext. 3811
 - o Secondary MiWay Contacts:
 - Customer Service: Maria Parial-Sgambelluri – 905-615-3200 Ext. 3827)
 - Transit Operations: Kulbir Gill – 905-615-3200 Ext. 4817 |
Nelson Barreto – 905-615-3200 Ext. 3383)
 - Transit Marketing: Fatima Hammal – 905-615-3200 Ext. 3142)

Construction Impact: *(less than 2-3 months)*

- o Minimum 4 weeks notice of construction activities that are less than 2 months (assuming there are no major impacts to transit service/infrastructure)
- o 2 business days notice of ad-hoc/daily modification of construction activities
- o Immediate notice to Transit Operations (Transit Control Centre at 905-615-3200 Ext. 3880) directly in case of emergency
- o For all construction communication/notification, MiWay Infrastructure Management staff shall be contacted. Contact information provided below:
 - Bryan MacMillan, Transit Infrastructure Coordinator, at (905) 615-3200 Ext. 3825
 - Dana Glofcheskie, Supervisor of Transit Infrastructure Management at (905) 615-3200 Ext. 3811
- o Secondary MiWay Contacts:
 - Customer Service: Maria Parial-Sgambelluri – 905-615-3200 Ext. 3827)
 - Transit Operations: Kulbir Gill – 905-615-3200 Ext. 4817
Nelson Barreto – 905-615-3200 Ext. 3383)
 - Transit Marketing: Fatima Hammal – 905-615-3200 Ext. 3142)

Full Road/Intersection Closure within the City of Mississauga:

- For all full road and/or intersection closures, MiWay's Infrastructure Management staff shall be contacted prior to Council presentation date.
- Council report to be shared with MiWay staff prior to Council presentation

Sandra Anastasio - GM BluePlan

From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Wednesday, July 15, 2020 2:09 PM
To: Sandra Anastasio - GM BluePlan
Cc: Lee, Justin; Chris Campbell - GM BluePlan
Subject: RE: Peel Central Miss EA - Project Update

Sandra,

Thank you for the update. Looking forward to hearing more about the project in the fall.

Regards,



Evelyn Krolicka
Storm Drainage Technologist
T 905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

[City of Mississauga](#) | Transportation & Works Department
Infrastructure Planning and Engineering Services Division

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From: Sandra Anastasio - GM BluePlan [<mailto:Sandra.Anastasio@gmblueplan.ca>]
Sent: 2020/07/15 10:38 AM
To: Evelyn Krolicka
Cc: Lee, Justin; Chris Campbell - GM BluePlan
Subject: Peel Central Miss EA - Project Update

Hi Evelyn,

Since our last meeting in February, the Region and GM BluePlan have been continuing our efforts on the EA for the Wastewater Capacity Improvements in Central Mississauga. We have been continuing our evaluation of the shaft site alternatives and proposed sewer alignments. We are expecting to go to the public for PIC #2 this Fall with the preliminary preferred conceptual design of the alignments and shaft sites. We will be in touch later this summer to set up a Pre-PIC meeting with the City's team to present the preliminary preferred design.

In addition, the Region's real estate contact, Steven Oldford, will be in touch with the City's property contact in the near future for any City owned lands being considered in this study.

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3



N O T I C E - This message from GM BluePlan Engineering Limited is intended only for the use of the individual or entity to which it is addressed and may contain information which is privileged, confidential or proprietary. Internet communications cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, arrive late or contain viruses. By communicating with us via e-mail, you accept such risks. When addressed to our clients, any information, drawings, opinions or advice (collectively, "information") contained in this e-mail is subject to the terms and conditions expressed in the governing agreements. Where no such agreement exists, the recipient shall neither rely upon nor disclose to others, such information without our written consent. Unless otherwise agreed, we do not assume any liability with respect to the accuracy or completeness of the information set out in this e-mail. If you have received this message in error, please notify us immediately by return e-mail and delete the message from your computer systems.

Sandra Anastasio - GM BluePlan

From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Friday, February 05, 2021 9:43 AM
To: Sandra Anastasio - GM BluePlan
Cc: Lee, Justin; Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Mark Zamojc - GM BluePlan
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Great! Thanks for sending that through. I will circulate it to all city staff. Please send the meeting slides to me prior to the meeting.

Have a great weekend!

Evelyn Krolicka

905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Thursday, February 4, 2021 4:36 PM
To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Mark Zamojc - GM BluePlan <mark.zamojc@gmblueplan.ca>
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

Let's book Thursday, February 18th from 2pm to 3pm. I will send through a meeting invite which you can forward to your team.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Wednesday, February 03, 2021 2:56 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Thanks for the information.

The times that work best for city staff are as follows:

Feb 18th from 2-3pm

Feb 19th from 11-12am

Let me know what works best for your team. If possible, provide the meeting materials prior to the meeting so that individuals that don't attend can also provide feedback.

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921

evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Wednesday, February 3, 2021 11:50 AM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

We are currently finalizing the PIC #2 date, however, we are planning on a March/April timeline.

The information presented at PIC #1 is available on the Region's website: <http://www.peelregion.ca/pw/water/environ-assess/scheduled-c-class-environmental-assessment.asp>. We can also provide the slides in advance of the meeting.

Thanks,

Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT

Infrastructure Planning

GM BluePlan Engineering Limited

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t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Sent: Wednesday, February 03, 2021 9:04 AM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Thank you for the email. I will take a look at the schedules and let you know what date works best. When is the PIC scheduled for? Do you have any updated materials I could share with staff?

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921

evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Wednesday, February 3, 2021 8:51 AM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

The Region of Peel and GM BluePlan have been continuing our efforts on the Wastewater Capacity Improvements in Central Mississauga Class EA. We would like to setup a 1-hour virtual pre-PIC#2 consultation meeting with your team to provide an update on the EA study and present the preliminary preferred solution.

I have provided dates and times below. Please let me know your team's availability at your earliest convenience.

- Tuesday, February 16th
 - 10:00 am to 12:00 pm
- Thursday, February 18th
 - 9:00 am to 12:00 pm
 - 2:00 pm to 4:30 pm
- Friday, February 19th
 - 9:00 am to 10:00 am
 - 1:00 pm to 4:30 pm

For your reference, please see a link to the project website below:

<http://www.peelregion.ca/pw/water/environ-assess/scheduled-c-class-environmental-assessment.asp>

Thank you,
Sandra

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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, February 17, 2021 5:53 PM
To: Evelyn Krolicka
Cc: Lee, Justin; Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Mark Zamojc - GM BluePlan
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

Please find below a link to the agenda and slides for tomorrow's Central Mississauga EA meeting.
https://sendafile.gmblueplan.ca/public_uploads/2021-02-17_223741_SandraAnastasio.zip

Let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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Have a great weekend!

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evelyn.krolicka@mississauga.ca

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Sent: Wednesday, February 3, 2021 8:51 AM
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The Region of Peel and GM BluePlan have been continuing our efforts on the Wastewater Capacity Improvements in Central Mississauga Class EA. We would like to setup a 1-hour virtual pre-PIC#2 consultation meeting with your team to provide an update on the EA study and present the preliminary preferred solution.

I have provided dates and times below. Please let me know your team's availability at your earliest convenience.

- Tuesday, February 16th
 - 10:00 am to 12:00 pm
- Thursday, February 18th
 - 9:00 am to 12:00 pm
 - 2:00 pm to 4:30 pm
- Friday, February 19th
 - 9:00 am to 10:00 am
 - 1:00 pm to 4:30 pm

For your reference, please see a link to the project website below:

<http://www.peelregion.ca/pw/water/environ-assess/scheduled-c-class-environmental-assessment.asp>

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Raymond Lau <Raymond.Lau@mississauga.ca>
Sent: Friday, February 19, 2021 11:11 AM
To: Lee, Justin
Cc: Evelyn Krolicka; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: RE: Middle Rd bridge. rehab 2021/22

Thank-you Justin,

Seems our works are clear of each other.

I will leave it with Evelyn to engage City staff as needed, but have a feeling this won't involve me.

I will however advise my Manager in Park Development, in the unlikely event he is not already aware.

Keep safe,

Ray



Raymond Lau, Project Manager – Engineering, Park Development
T 905-615-3200 ext.8734 | raymond.lau@mississauga.ca

[City of Mississauga](#) | Community Services Department,
Parks, Forestry & Environment



From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: 2021/02/19 8:35 AM
To: Raymond Lau <Raymond.Lau@mississauga.ca>
Cc: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: Middle Rd bridge. rehab 2021/22

Hi Raymond,

Thank you for attending yesterday's meeting and advising us of the City's plans to rehabilitate the Middle Road Bridge structure at Etobicoke Creek. As requested, I've attached our as-built drawing of the existing trunk sewer along Etobicoke Creek at Sherway Drive.

Our preliminary preferred connection point to the existing trunk sewer is planned near the Middle Road Bridge. Our shaft site will be at the same location as the previous work on the existing trunk sewer (around the area shaded in green on your map). GM BluePlan, our consultants for the Central Mississauga EA, will be circulating our investigation reports (i.e. Cultural Heritage, fluvial geomorphology, and Environmental) to Evelyn. My understanding is she will then distribute the reports to the appropriate staff at the City. The reports should be provided to Evelyn shortly.

Currently our schedule is to complete the EA by this summer. Design and Construction would proceed after with an anticipated completion date in 2027. We will advise the City if there are any changes to this anticipated completion date. The rough estimate for start of construction is 4 or 5 years out (2025/2026).

If you have any additional questions or require more clarification on the EA, please do not hesitate to reach out to myself or through Evelyn.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

Cell: (647) 280-5481

Tel: (905) 791-7800



This email, including any attachments, is intended for the recipient specified in the message and may contain information which is confidential or privileged. Any unauthorized use or disclosure of this email is prohibited. If you are not the intended recipient or have received this e-mail in error, please notify the sender via return email and permanently delete all copies of the email. Thank you.

<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Raymond Lau <Raymond.Lau@mississauga.ca>

Sent: February 19, 2021 7:46 AM

To: Lee, Justin <Justin.Lee@peelregion.ca>

Subject: Middle Rd bridge. rehab 2021/22

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

Hello Justin,

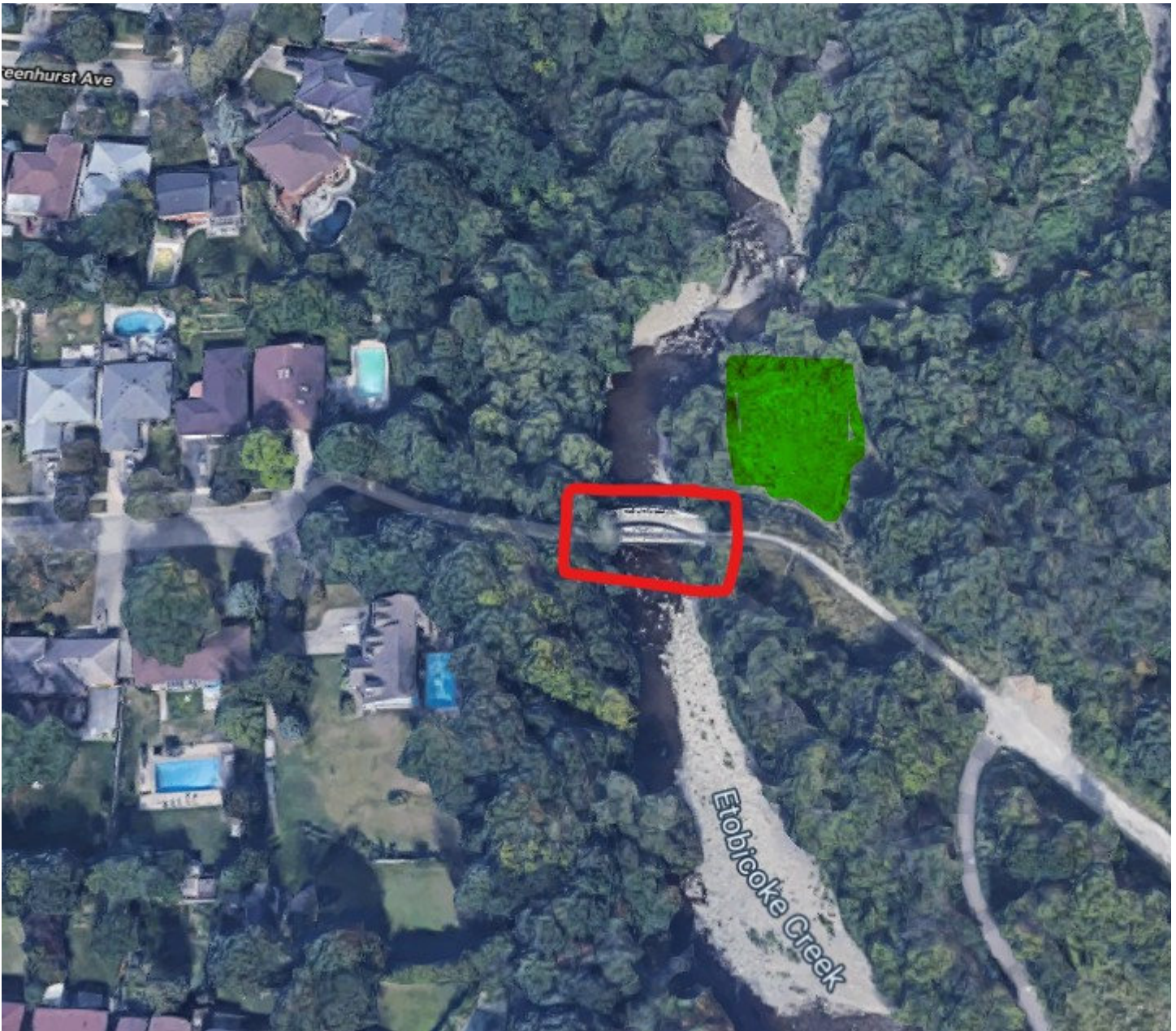
I briefly attended yesterday's EA presentation, as an invite from Michael Hynes.

I did in fact run across Michael as well as a large group of others early last fall on one of your walk through in the area...thus my connection.

I wanted your group to be aware of our upcoming work this year on the rehab of the bridge and who to engage regarding Peel infrastructure in the area.

In short is there any investigation works planned this year within 100m's of the noted structure? Bridge in red square. I know a few years ago there was a large shaft for tunneling works to the N-E of the structure (green area), just want to confirm if this is another work area and if so when.

With our upcoming work, we would look to use this as a staging area.



Perhaps the confirmation of the Peel infrastructure does not lie with your group. If this is the case, please forward my e-mail to those I should engage to confirm clearance.

Regards,
Ray



Raymond Lau, Project Manager – Engineering, Park Development
T 905-615-3200 ext.8734 | raymond.lau@mississauga.ca

City of Mississauga | Community Services Department,
Parks, Forestry & Environment

 Studies show trees live longer when they're not cut down.
Please do not print this email unless you really need to.

Sandra Anastasio - GM BluePlan

From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Monday, March 08, 2021 4:30 PM
To: Sandra Anastasio - GM BluePlan
Cc: Lee, Justin; Chris Campbell - GM BluePlan
Subject: RE: Region of Peel - Central Mississauga EA Consultation
Attachments: COM Comments- ROP WW Capacity in Central Mississauga- Feb 18th 2021.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Sandra,

Please see compiled comments from the City of Mississauga.
Let me know if there are any questions.

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Friday, February 26, 2021 1:41 PM
To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

I have included a link below to the Stage 1 Archaeological Assessment and the Cultural Heritage Screening Report for the City's review.

https://sendafile.gmblueplan.ca/public_uploads/2021-02-26_183054_2021-02-26_Archaeo_&_Cultural_Heritage_Reports.zip

We are finalizing the Stage 2 Archaeological Assessment Report and the Cultural Heritage Impact Assessment Report and will send them to you next week.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Thursday, February 18, 2021 3:39 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Mark Zamojc - GM BluePlan <mark.zamojc@gmblueplan.ca>
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Thank you for the presentation this afternoon. I have circulated the provided meeting materials to all the city staff (both those in attendance and those not) and have asked them to review it and provide feedback in two weeks time which I will compile and forward off to you guys for consideration.

In the meantime, would you be able to provide me with the archeaoloigcal assessment/ cultural heritage report? I know Heritage Planning requires it for review so figured I should reach out for a copy.

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, February 17, 2021 5:53 PM
To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Mark Zamojc - GM BluePlan <mark.zamojc@gmblueplan.ca>
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

Please find below a link to the agenda and slides for tomorrow's Central Mississauga EA meeting.
https://sendafile.gmblueplan.ca/public_uploads/2021-02-17_223741_SandraAnastasio.zip

Let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Sent: Friday, February 05, 2021 9:43 AM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Mark Zamojc - GM BluePlan <mark.zamojc@gmblueplan.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Great! Thanks for sending that through. I will circulate it to all city staff. Please send the meeting slides to me prior to the meeting.

Have a great weekend!

Evelyn Krolicka

905-615-3200 ext. 5921

evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Thursday, February 4, 2021 4:36 PM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Mark Zamojc - GM BluePlan <mark.zamojc@gmblueplan.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

Let's book Thursday, February 18th from 2pm to 3pm. I will send through a meeting invite which you can forward to your team.

Thanks,

Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT

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t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Sent: Wednesday, February 03, 2021 2:56 PM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Thanks for the information.

The times that work best for city staff are as follows:

Feb 18th from 2-3pm

Feb 19th from 11-12am

Let me know what works best for your team. If possible, provide the meeting materials prior to the meeting so that individuals that don't attend can also provide feedback.

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921

evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Wednesday, February 3, 2021 11:50 AM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

We are currently finalizing the PIC #2 date, however, we are planning on a March/April timeline.

The information presented at PIC #1 is available on the Region's website: <http://www.peelregion.ca/pw/water/enviro-assess/scheduled-c-class-environmental-assessment.asp>. We can also provide the slides in advance of the meeting.

Thanks,

Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT

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sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Sent: Wednesday, February 03, 2021 9:04 AM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Thank you for the email. I will take a look at the schedules and let you know what date works best. When is the PIC scheduled for? Do you have any updated materials I could share with staff?

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921

evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Wednesday, February 3, 2021 8:51 AM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

The Region of Peel and GM BluePlan have been continuing our efforts on the Wastewater Capacity Improvements in Central Mississauga Class EA. We would like to setup a 1-hour virtual pre-PIC#2 consultation meeting with your team to provide an update on the EA study and present the preliminary preferred solution.

I have provided dates and times below. Please let me know your team's availability at your earliest convenience.

- Tuesday, February 16th
 - 10:00 am to 12:00 pm
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 - 9:00 am to 12:00 pm
 - 2:00 pm to 4:30 pm
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 - 9:00 am to 10:00 am
 - 1:00 pm to 4:30 pm

For your reference, please see a link to the project website below:

<http://www.peelregion.ca/pw/water/envIRON-assess/scheduled-c-class-environmental-assessment.asp>

Thank you,

Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT

Infrastructure Planning

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t: 416.703.0667 ext. 7217 | c: 416.428.2836



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Sandra Anastasio
GM BluePlan Engineering Limited
3300 Highway No. 7, Suite 402
Vaughan ON
L4K 4M3

City of Mississauga
Transportation & Works
Suite 800 - 201 City Centre Drive
Mississauga ON L5B 4E4

March 8, 2021

Re: Region of Peel Wastewater Capacity Improvements in Central Mississauga- City of Mississauga Feedback on Project Briefing.

Dear Sandra Anastasio,

Thank you for the opportunity to provide feedback on the subject project. The project briefing presented at the meeting on **February 18th, 2021** had been circulated to staff at the City of Mississauga and the feedback received has been compiled below for your consideration.

Transportation & Works

No comments were received.

Community Services

1. Any MiWay stops that are effected should be coordinated with the MiWay Infrastructure Management Team prior to construction. Please add relevant notes on drawings/contract documents from the infrastructure impacts memo provided by MiWay.
2. Please confirm the impact (if any) on the following bus stop locations
 - a. Queensway and Hurontario (South East Corner)
 - b. Queensway and Cawthra
 - c. Queensway and Etobicoke Creek
 - d. Burnhamthorpe and Central Parkway
 - e. Burnhamthorpe and Cawthra
3. Any road or lane closures or obstructions should be brought to the attention of Fire Emergency Services.
4. Middle Road Bridge is scheduled for rehabilitation Summer 2021. Please let us know of any impacts within a 100m radius to the structure.

Corporate Services

No comments were received.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Sincerely,



Evelyn Krolicka
Storm Drainage Technologist
Environmental Services
City of Mississauga
T 905-615-3200 ext.5921

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Tuesday, March 30, 2021 2:50 PM
To: Evelyn Krolicka
Cc: Lee, Justin; Chris Campbell - GM BluePlan
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

I have included a link below to the Draft Stage 2 Archaeological Assessment and the Draft Cultural Heritage Impact Assessment Report for the Region of Peel Central Mississauga EA.

https://sendafile.gmblueplan.ca/public_uploads/2021-03-30_184520_Peel_Central_Miss_EA_-_Draft_Reports.zip

Please let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Monday, March 01, 2021 9:13 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Thank you for the email;. I have forwarded it off for review with Heritage Planning.

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Friday, February 26, 2021 1:41 PM
To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

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Thanks,
Sandra

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Let me know if you have any questions.

Thanks,
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Sandra,

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Have a great weekend!

Evelyn Krolicka

905-615-3200 ext. 5921

evelyn.krolicka@mississauga.ca

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Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Mark Zamojc - GM BluePlan

<mark.zamojc@gmblueplan.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

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Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

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Evelyn Krolicka

905-615-3200 ext. 5921

evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Wednesday, February 3, 2021 11:50 AM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

We are currently finalizing the PIC #2 date, however, we are planning on a March/April timeline.

The information presented at PIC #1 is available on the Region's website: <http://www.peelregion.ca/pw/water/enviro-assess/scheduled-c-class-environmental-assessment.asp>. We can also provide the slides in advance of the meeting.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Wednesday, February 03, 2021 9:04 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Thank you for the email. I will take a look at the schedules and let you know what date works best. When is the PIC scheduled for? Do you have any updated materials I could share with staff?

Thanks,

Evelyn Krolicka
905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, February 3, 2021 8:51 AM
To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

The Region of Peel and GM BluePlan have been continuing our efforts on the Wastewater Capacity Improvements in Central Mississauga Class EA. We would like to setup a 1-hour virtual pre-PIC#2 consultation meeting with your team to provide an update on the EA study and present the preliminary preferred solution.

I have provided dates and times below. Please let me know your team's availability at your earliest convenience.

- Tuesday, February 16th
 - 10:00 am to 12:00 pm
- Thursday, February 18th
 - 9:00 am to 12:00 pm
 - 2:00 pm to 4:30 pm
- Friday, February 19th
 - 9:00 am to 10:00 am
 - 1:00 pm to 4:30 pm

For your reference, please see a link to the project website below:

<http://www.peelregion.ca/pw/water/envIRON-assess/scheduled-c-class-environmental-assessment.asp>

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

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Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
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sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, April 07, 2021 10:38 AM
To: Evelyn Krolicka
Cc: Lee, Justin; Chris Campbell - GM BluePlan
Subject: Peel Central Mississauga EA - Meeting Package

Hi Evelyn,

Please find in the link below a copy of the meeting package for the Region of Peel Central Mississauga EA study for your review.

https://sendafile.gmblueplan.ca/public_uploads/2021-04-07_143623_210218-PKG-Mississauga_Pre-PIC_Meeting_Final.pdf

Let me know if you have any questions or comments.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, April 16, 2021 10:54 AM
To: Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan
Subject: FW: Region of Peel - Central Mississauga EA Consultation

Follow Up Flag: FollowUp
Flag Status: Flagged

Hi Sandra,

FYI, the City of Mississauga reached out to me to get an update on the status of their comments. I've already responded to Evelyn. I just wanted to forward you the correspondence for your records.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Lee, Justin
Sent: April 14, 2021 2:25 PM
To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

Thank you for the email. We are currently working on addressing the comments and will be scheduling a meeting with our stakeholders, including the City of Mississauga, on the week of May 24th.

We've pushed back our PIC 2 date to mid June at this point. The meeting on the week of May 24th will hopefully serve as the last meeting before the PIC. GMBP should be sending out the invite sometime either this week or next week at the latest. The City's comments should be addressed before our pre-PIC meeting.

Please let me know if there are any concerns with the timing.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: April 14, 2021 10:48 AM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: RE: Region of Peel - Central Mississauga EA Consultation

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

Justin,

I was wondering if you addressed the comments that you received from the city of Mississauga?

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

From: Evelyn Krolicka
Sent: Thursday, March 25, 2021 2:20 PM
To: 'Lee, Justin' <Justin.Lee@peelregion.ca>
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Justin,

My apologies on the delay getting back to you! I looked through the documents but couldn't find much on it. I have emailed some of my managers to see if they know where I can find the information and I will get back to you when I hear back.

Evelyn Krolicka

905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Wednesday, March 24, 2021 2:43 PM
To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

Good afternoon. I wanted to follow up on my email below. If you need more time to find information, I understand. I was just checking to see if you had any questions or require any clarification on my request.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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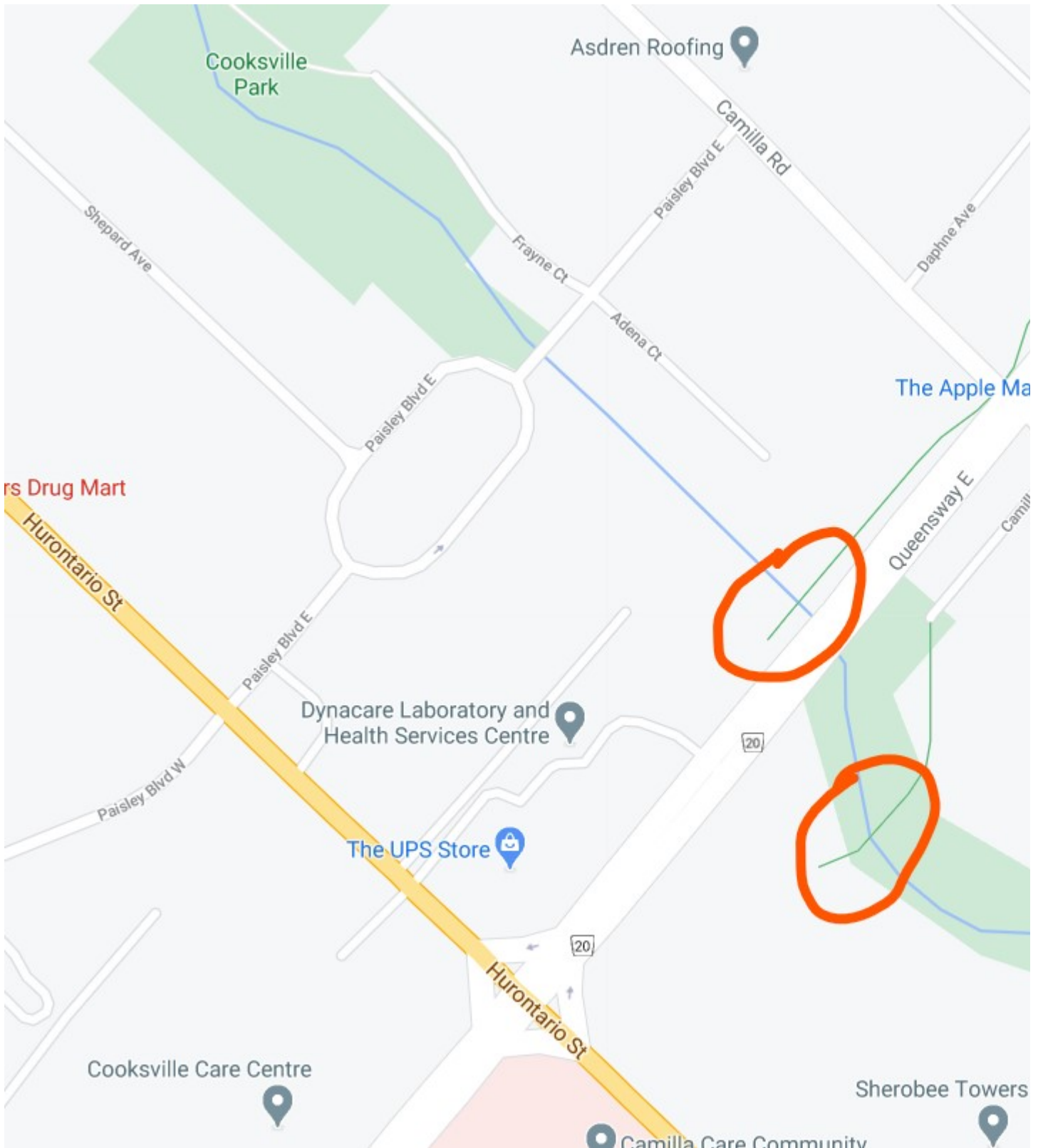
<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Lee, Justin
Sent: March 16, 2021 11:51 AM
To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn

Hopefully all is well. Thank you for providing the comments to us.

Is it possible for the City provide a copy of the studies that was completed for the pedestrian bridge at Cooksville Creek along the Queensway? We recently had a discussion with the CVC and they mentioned that the City's pedestrian bridge may have completed a scour and/or erosion study at this location. I noticed there were two locations of a pedestrian bridge (north and south side of Queensway). Either bridge would work if it is possible to get a copy of the studies. I've provided a map below of the location I'm looking at for reference.



Thanks in advance!

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

Cell: (647) 280-5481

Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Sent: March 8, 2021 4:30 PM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

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

Sandra,

Please see compiled comments from the City of Mississauga.
Let me know if there are any questions.

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921

evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Friday, February 26, 2021 1:41 PM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

I have included a link below to the Stage 1 Archaeological Assessment and the Cultural Heritage Screening Report for the City's review.

[https://sendafile.gmblueplan.ca/public_uploads/2021-02-26_183054_2021-02-26_Archaeo & Cultural Heritage Reports.zip](https://sendafile.gmblueplan.ca/public_uploads/2021-02-26_183054_2021-02-26_Archaeo_%20Cultural_Heritage_Reports.zip)

We are finalizing the Stage 2 Archaeological Assessment Report and the Cultural Heritage Impact Assessment Report and will send them to you next week.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Sent: Thursday, February 18, 2021 3:39 PM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Mark Zamojc - GM BluePlan <mark.zamojc@gmblueplan.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Thank you for the presentation this afternoon. I have circulated the provided meeting materials to all the city staff (both those in attendance and those not) and have asked them to review it and provide feedback in two weeks time which I will compile and forward off to you guys for consideration.

In the meantime, would you be able to provide me with the archeaoloigcal assessment/ cultural heritage report? I know Heritage Planning requires it for review so figured I should reach out for a copy.

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Wednesday, February 17, 2021 5:53 PM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Mark Zamojc - GM BluePlan <mark.zamojc@gmblueplan.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

Please find below a link to the agenda and slides for tomorrow's Central Mississauga EA meeting.

https://sendafile.gmblueplan.ca/public_uploads/2021-02-17_223741_SandraAnastasio.zip

Let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Sent: Friday, February 05, 2021 9:43 AM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Mark Zamojc - GM BluePlan <mark.zamojc@gmblueplan.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Great! Thanks for sending that through. I will circulate it to all city staff. Please send the meeting slides to me prior to the meeting.

Have a great weekend!

Evelyn Krolicka

905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Thursday, February 4, 2021 4:36 PM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Mark Zamojc - GM BluePlan <mark.zamojc@gmblueplan.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

Let's book Thursday, February 18th from 2pm to 3pm. I will send through a meeting invite which you can forward to your team.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Sent: Wednesday, February 03, 2021 2:56 PM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Thanks for the information.

The times that work best for city staff are as follows:

Feb 18th from 2-3pm

Feb 19th from 11-12am

Let me know what works best for your team. If possible, provide the meeting materials prior to the meeting so that individuals that don't attend can also provide feedback.

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921

evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Wednesday, February 3, 2021 11:50 AM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

We are currently finalizing the PIC #2 date, however, we are planning on a March/April timeline.

The information presented at PIC #1 is available on the Region's website: <http://www.peelregion.ca/pw/water/environmental-assess/scheduled-c-class-environmental-assessment.asp>. We can also provide the slides in advance of the meeting.

Thanks,

Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT

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sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Sent: Wednesday, February 03, 2021 9:04 AM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: RE: Region of Peel - Central Mississauga EA Consultation

Sandra,

Thank you for the email. I will take a look at the schedules and let you know what date works best. When is the PIC scheduled for? Do you have any updated materials I could share with staff?

Thanks,

Evelyn Krolicka

905-615-3200 ext. 5921

evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Wednesday, February 3, 2021 8:51 AM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: Region of Peel - Central Mississauga EA Consultation

Hi Evelyn,

The Region of Peel and GM BluePlan have been continuing our efforts on the Wastewater Capacity Improvements in Central Mississauga Class EA. We would like to setup a 1-hour virtual pre-PIC#2 consultation meeting with your team to provide an update on the EA study and present the preliminary preferred solution.

I have provided dates and times below. Please let me know your team's availability at your earliest convenience.

- Tuesday, February 16th
 - 10:00 am to 12:00 pm
- Thursday, February 18th
 - 9:00 am to 12:00 pm
 - 2:00 pm to 4:30 pm
- Friday, February 19th
 - 9:00 am to 10:00 am
 - 1:00 pm to 4:30 pm

For your reference, please see a link to the project website below:

<http://www.peelregion.ca/pw/water/envIRON-assess/scheduled-c-class-environmental-assessment.asp>

Thank you,

Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT

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t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Thursday, April 29, 2021 12:37 PM
To: Evelyn Krolicka
Cc: Chris Campbell - GM BluePlan; Lee, Justin
Subject: RE: Peel Central Miss EA - Pre-PIC No. 2 Meeting Coordination

Hi Evelyn,

Thank you for providing your team's availability. I will send through a meeting invite for May 26th 1pm to 2pm.

Please forward the invite to your team.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>
Sent: Thursday, April 29, 2021 12:07 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: RE: Peel Central Miss EA - Pre-PIC No. 2 Meeting Coordination

Sandra,

I took a look at the schedules and here is what works for us:

May 26th from 1-2pm or 10-11am
May 25th from 1-2pm

Thanks,

Evelyn Krolicka
905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Thursday, April 29, 2021 9:46 AM
To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>

Subject: RE: Peel Central Miss EA - Pre-PIC No. 2 Meeting Coordination

Hi Evelyn,

We will be presenting the preliminary preferred design concept (Phase 3 of the Class EA) prior to going to PIC No. 2 in mid-June.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Sent: Thursday, April 29, 2021 9:38 AM

To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>

Subject: RE: Peel Central Miss EA - Pre-PIC No. 2 Meeting Coordination

Sandra,

I hope you're well.

I am wondering what information will be covered in the PIC? Have you identified a preliminary preferred solution or which phase of the project are you at?

Thanks,

Evelyn Krolicka
905-615-3200 ext. 5921
evelyn.krolicka@mississauga.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Friday, April 23, 2021 3:16 PM

To: Evelyn Krolicka <Evelyn.Krolicka@mississauga.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>

Subject: Peel Central Miss EA - Pre-PIC No. 2 Meeting Coordination

Hi Evelyn,

The Region of Peel and GM BluePlan would like to setup a virtual Pre-PIC No. 2 follow-up meeting with your team for the Wastewater Capacity Improvements Class EA. During this meeting, we will review and confirm the key decisions prior to going to the public in mid-June.

Is your team available for a 1-hour meeting on Wednesday, May 26th between 1:30 pm and 4:00 pm?

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, May 26, 2021 4:08 PM
To: Evelyn Krolicka
Cc: Oldford, Steven; Chris Campbell - GM BluePlan; Lee, Justin
Subject: Central Miss - Consultation Meeting

Hi Evelyn,

I have included a link below to the documents requested during our meeting today.

- Presentation slides
- Preliminary Tree Screening Report Draft
- Stage 2 Archaeological Assessment Report at Etobicoke Creek (completed by TRCA).

https://sendafile.gmblueplan.ca/public_uploads/2021-05-26_200503_2021-05-26_COM_Requested_Documents.zip

We will prepare the minutes and send them to you with the design drawings for your team's review.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, August 20, 2021 1:04 PM
To: Evelyn Krolicka
Cc: Borowiec, Laura; Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan
Subject: Peel Central Mississauga EA - City of Mississauga Pre-PIC2 Consultation - Meeting Minutes
Attachments: 210526-PKG-Mississauga Pre-PIC Meeting_Final.pdf
Follow Up Flag: Follow up
Flag Status: Flagged

Hi Evelyn,

Good afternoon and hopefully all is well.

Please see the attached meeting minutes from our Central Mississauga EA – pre-PIC2 consultation on May 26th, 2021. Can you please also forward the minutes to your colleagues as required.

If you have any questions / comments or if we've missed anything, please feel free to connect.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Thursday, February 03, 2022 11:24 AM
To: Kovac, John
Cc: Iannicca, Nando; Dedman, Kealy; Reynolds, Lori; Parente, Anthony; Herod, Sue; Polga, Miriam; Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion
Attachments: 2022-02 Notice of Completion_Final.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning Councillor Kovac,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The study area lies within wards 1, 3, 4 and 7. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022. As Councillor for Ward 4, please see attached Notice of Completion.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

Please note that Anthony Parente, General Manager for the Region of Peel, myself and the project team are available to meet with you should you request it.

In the meantime, if you have any question or comments, please feel free to reach out to myself.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Thursday, February 03, 2022 11:36 AM
To: Dedman, Kealy
Subject: RE: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Kealy,

No problem. I am haven't received many comments from Councillors in regards to this EA. However, if a Councillor does request a meeting, I'll make sure the invite is extended to you as well.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Dedman, Kealy <kealy.dedman@peelregion.ca>
Sent: February 3, 2022 11:32 AM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: RE: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion

Hi Justin,
Can you please include me in the meeting if it is requested by the Councillor?
Thanks,
Kealy

Kealy Dedman, P.Eng., MPA (she/her)
Commissioner of Public Works



From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: February 3, 2022 11:24 AM
To: Dipika Damerla <dipika.damerla@mississauga.ca>
Cc: Iannicca, Nando <nando.iannicca@peelregion.ca>; Dedman, Kealy <kealy.dedman@peelregion.ca>; Reynolds, Lori <lori.reynolds@peelregion.ca>; Parente, Anthony <anthony.parente@peelregion.ca>; Herod, Sue <sue.herod@peelregion.ca>; Polga, Miriam <miriam.polga@peelregion.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion

Good morning Councillor Damerla,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The study area lies within wards 1, 3, 4 and 7. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022. As Councillor for Ward 7, please see attached Notice of Completion.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

Please note that Anthony Parente, General Manager for the Region of Peel, myself and the project team are available to meet with you should you request it.

In the meantime, if you have any question or comments, please feel free to reach out to myself.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Thursday, February 03, 2022 11:24 AM
To: Fonseca, Chris
Cc: Iannicca, Nando; Dedman, Kealy; Reynolds, Lori; Parente, Anthony; Herod, Sue; Polga, Miriam; Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion
Attachments: 2022-02 Notice of Completion_Final.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning Councillor Fonseca,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The study area lies within wards 1, 3, 4 and 7. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022. As Councillor for Ward 3, please see attached Notice of Completion.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

Please note that Anthony Parente, General Manager for the Region of Peel, myself and the project team are available to meet with you should you request it.

In the meantime, if you have any question or comments, please feel free to reach out to myself.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Thursday, February 03, 2022 11:24 AM
To: Stephen Dasko
Cc: Iannicca, Nando; Dedman, Kealy; Reynolds, Lori; Parente, Anthony; Herod, Sue; Polga, Miriam; Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion
Attachments: 2022-02 Notice of Completion_Final.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning Councillor Dasko,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The study area lies within wards 1, 3, 4 and 7. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022. As Councillor for Ward 1, please see attached Notice of Completion.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

Please note that Anthony Parente, General Manager for the Region of Peel, myself and the project team are available to meet with you should you request it.

In the meantime, if you have any question or comments, please feel free to reach out to myself.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, February 11, 2022 8:12 AM
To: Kovac, John
Subject: RE: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion

Good morning Councillor Kovac,

Thank you for the email. Absolutely! Feel free to reach out at any time.

Best Regards,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: John Kovac <John.Kovac@mississauga.ca>
Sent: February 10, 2022 5:56 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: RE: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion

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

Good evening Justin,

Thanks kindly for your email of February 3rd and in relation to capacity improvements planned for Central Mississauga. I have since had an opportunity to review the attachment you provided and appreciate your notification and update. If I have any questions of clarification, I will let you know.

Kind thanks,
John

John Kovac

Councillor, Ward 4
City of Mississauga
905-896-5400

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Thursday, February 3, 2022 11:24 AM
To: John Kovac <John.Kovac@mississauga.ca>
Cc: Iannicca, Nando <nando.iannicca@peelregion.ca>; Dedman, Kealy <kealy.dedman@peelregion.ca>; Reynolds, Lori <lori.reynolds@peelregion.ca>; Parente, Anthony <anthony.parente@peelregion.ca>; Herod, Sue <sue.herod@peelregion.ca>; Polga, Miriam <miriam.polga@peelregion.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion

Good morning Councillor Kovac,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The study area lies within wards 1, 3, 4 and 7. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022. As Councillor for Ward 4, please see attached Notice of Completion.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

Please note that Anthony Parente, General Manager for the Region of Peel, myself and the project team are available to meet with you should you request it.

In the meantime, if you have any question or comments, please feel free to reach out to myself.

Sincerely,

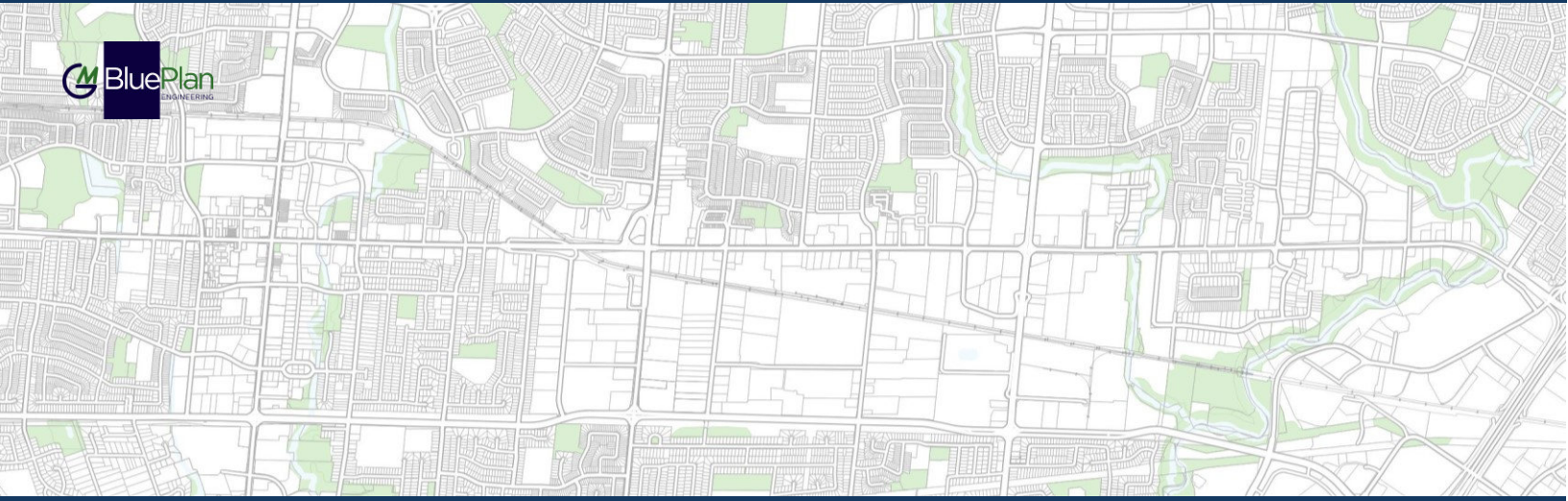
Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
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REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Government Agency Consultation

City of Toronto



Royal Centre 3300 Hwy 7 Suite 402
 Vaughan ON L4K 4M3
 P: 416.703.0667 F: 416.703.2501
 www.gmblueplan.ca

Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018												
Meeting:	City of Toronto Property Consultation Meeting													
Date:	Wednesday, February 17, 2021	Time: 2:00 pm – 3:00 pm												
Location:	Microsoft Teams													
Attendees:	<table border="0"> <tr> <td><u>City of Toronto (City)</u></td> <td><u>Region of Peel (Region)</u></td> <td><u>GM BluePlan (GMBP)</u></td> </tr> <tr> <td>Dennis Kovacsi (Parks)</td> <td>Justin Lee (JL)</td> <td>Chris Campbell (CC)</td> </tr> <tr> <td>Miles Arque (Property)</td> <td>Steven Oldford (SO)</td> <td>Mark Zamojc (MZ)</td> </tr> <tr> <td>Bill Snodgrass (Toronto Water)</td> <td></td> <td></td> </tr> </table>		<u>City of Toronto (City)</u>	<u>Region of Peel (Region)</u>	<u>GM BluePlan (GMBP)</u>	Dennis Kovacsi (Parks)	Justin Lee (JL)	Chris Campbell (CC)	Miles Arque (Property)	Steven Oldford (SO)	Mark Zamojc (MZ)	Bill Snodgrass (Toronto Water)		
<u>City of Toronto (City)</u>	<u>Region of Peel (Region)</u>	<u>GM BluePlan (GMBP)</u>												
Dennis Kovacsi (Parks)	Justin Lee (JL)	Chris Campbell (CC)												
Miles Arque (Property)	Steven Oldford (SO)	Mark Zamojc (MZ)												
Bill Snodgrass (Toronto Water)														

Item	Actions
<ol style="list-style-type: none"> 1. Summary of the Class EA studies objectives and proposed conceptual design was provided by GMBP including the Shaft location 1B at the Etobicoke Creek Sewer connection point (preliminary draft site plan provided as per attached). 2. City provided a plan generated from GIS system highlighting existing sewers in the area as per attached. It was determined following looking at the as built drawings for the Region's Etobicoke sewer that the plan was schematic and did not accurately represent the location of the Region's and City's sewers. These sewers run parallel and don't cross each other as shown in the plan. It was determined that they would not impede the proposed new sewer alignment and connection point. 3. GMBP e-mailed as built drawings to the City during the meeting to enable updating of City's GIS shapefile of the existing sewer locations and network . 4. The Region provided a map of the different areas requiring property agreements to enable construction and long-term easement requirements (attached). 5. City stated that in principle there are no major barriers to achieving the necessary access and agreements. Adequate time should be scheduled for this process. 6. Future maintenance access via Sherway Drive will not require agreement as it is an assumed road, according to the Official Record of Highways. Dennis will provide an update regarding the temporary barrier and if there are any future plans for improvements. 7. Steven and Miles will further coordinate and determine best method for permits and agreements – preliminary discussion/ideas as follows: <ul style="list-style-type: none"> • Sherway Drive construction access (orange area on map) – will require a road occupancy permit be secured with Transportation Services • Construction access shaft construction location (purple area on map) – Parks Access Permit or License Agreement • Staging and construction (red area on map) – License Agreement for Construction 	



<ul style="list-style-type: none">• New sewer alignment will require a permanent easement with TRCA (orange area on map)	
8. Next Steps <ul style="list-style-type: none">• City to provide update on Sherway Drive barrier and any planned road improvements.• Region and City to continue discussions regarding agreements.	Dennis Region/City

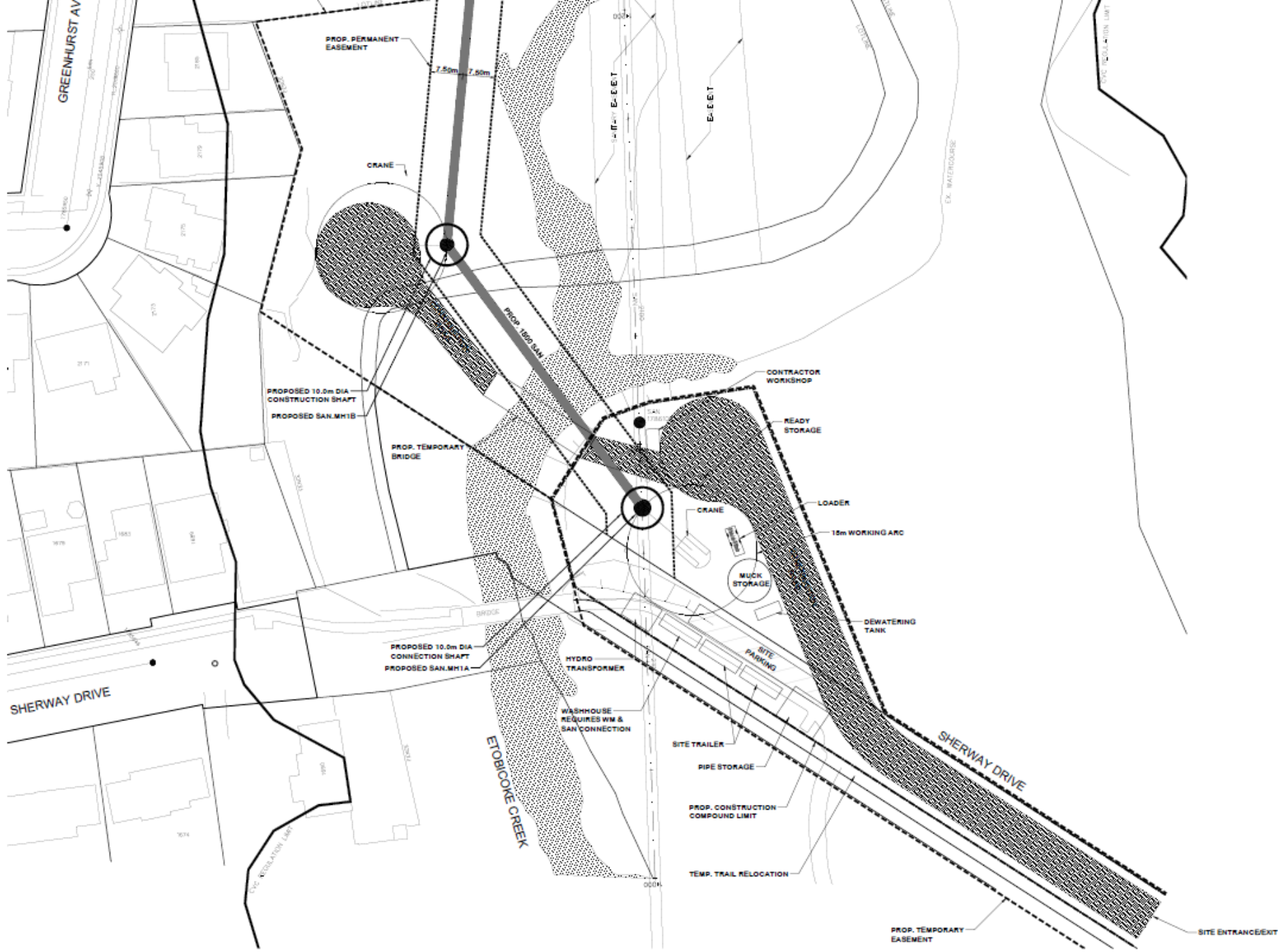
These minutes have been prepared by the undersigned. If there are any errors or omissions in these minutes, please contact the author as soon as possible.

GM BLUEPLAN ENGINEERING LIMITED

For Discussion with Peel/ Property et al Feb 17 2020 2. p.m.



Query as to ownership of these 2 Creek Valley located Sanitary Sewers



NOTES:
 1. SURFACE ELEVATION AND SURFACE PROFILES ARE BASED ON GIS CONTOUR DATA PROVIDED BY THE REGION OF PEEL.

LEGEND

	EXISTING R.O.W
	EXISTING LOT LINE
	PROPOSED COMPOUND LIMIT
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT

General Notes

- All Driveways Are ADJUSTED Unless Otherwise Noted
- All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
- All Horizontal And Vertical Bends Are In Degrees
- All Pipe Size In mm
- 200 Existing Water Service, Size In mm
- 1800 Proposed Water Service, Size In mm

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximately Only. To Be Verified In Field By Contractor.

Designed by:

Approved by:

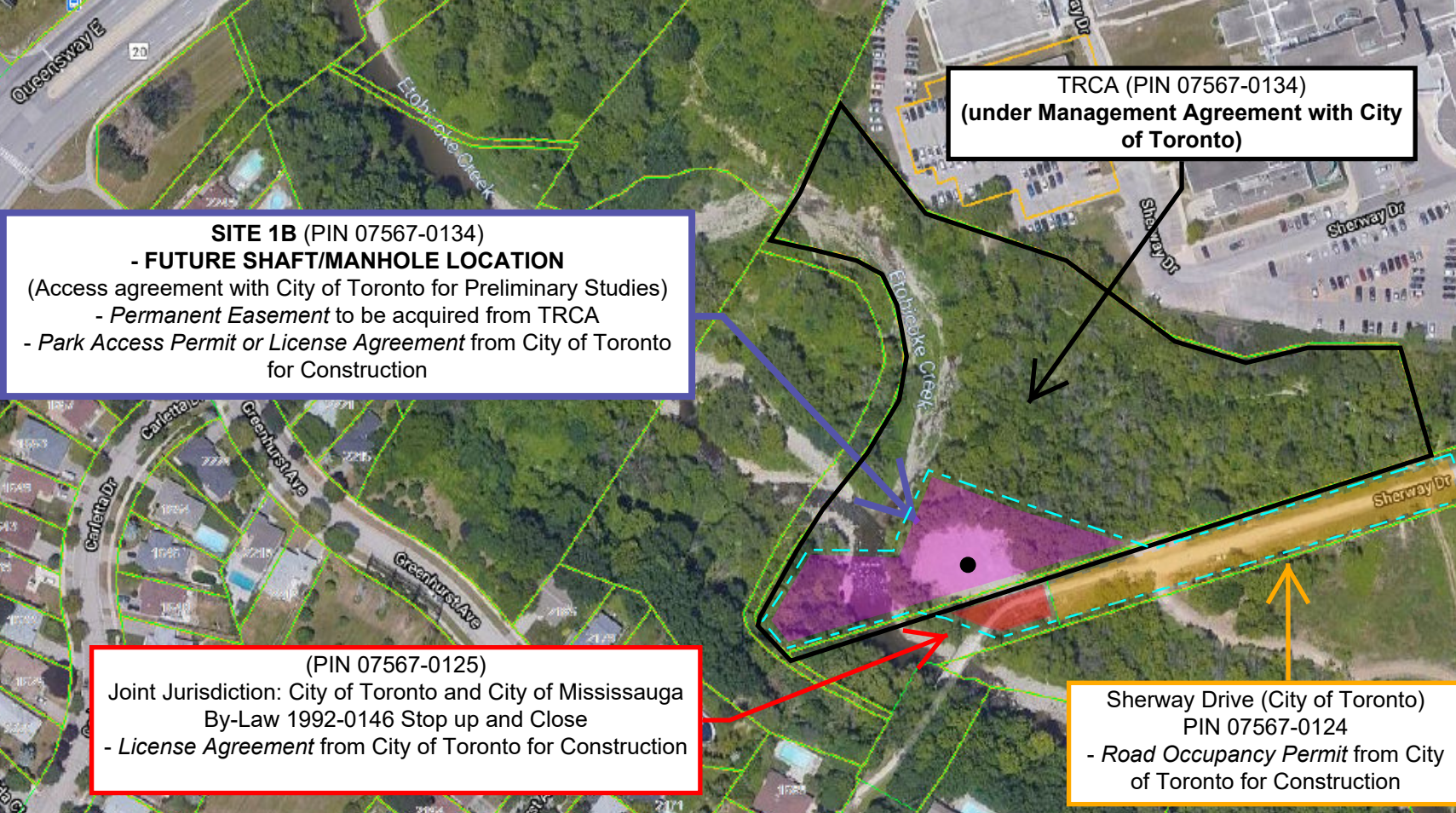
NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION (CITY OF BRAMPTON)
CITY OF BRAMPTON	EMERGENCY TELECOM
TOWN OF GUELPH WORKS DEPT.	HYDRO ONE TELECOM
PEEL CANADA	ROBINSI GABLE
ONARIO MINISTRY OF TRANSPORTATION	ALLSTREAM
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FOR BRAMPTON)
EMERGENCY, HYDRO ONE BRAMPTON	



SHERWAY DRIVE & ETOBICOKE CREEK
 PRELIMINARY SITE PLAN
 PROPOSED SHAFT 1A & 1B

DWG Area	Area	Project No.	19-2590
Checked by: BP / MZ	Drawn by: NED / YWS	File No.	SP1
Date: OCTOBER 2020	Sheet: 20 of 31		



SITE 1B (PIN 07567-0134)
- FUTURE SHAFT/MANHOLE LOCATION
 (Access agreement with City of Toronto for Preliminary Studies)
 - *Permanent Easement* to be acquired from TRCA
 - *Park Access Permit or License Agreement* from City of Toronto for Construction

TRCA (PIN 07567-0134)
(under Management Agreement with City of Toronto)

(PIN 07567-0125)
 Joint Jurisdiction: City of Toronto and City of Mississauga
 By-Law 1992-0146 Stop up and Close
 - *License Agreement* from City of Toronto for Construction

Sherway Drive (City of Toronto)
 PIN 07567-0124
 - *Road Occupancy Permit* from City of Toronto for Construction

Sandra Anastasio - GM BluePlan

From: Mark Zamojc - GM BluePlan
Sent: Wednesday, February 17, 2021 2:28 PM
To: wsnodgr@toronto.ca
Cc: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: 718018
Attachments: 40741-D.pdf; 40742-D.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Bill,

Please see attached As built drawings for Etobicoke Creek sewer for the purposes of cross check against Toronto GIS data.

Thank you,

Mark Zamojc, P.Eng.
Infrastructure Planning, Partner

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7212 | c: 647.224.4347
mark.zamojc@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Oldford, Steven <steven.oldford@peelregion.ca>
Sent: Wednesday, February 17, 2021 10:14 AM
To: Chris Campbell - GM BluePlan; Lee, Justin
Cc: Sandra Anastasio - GM BluePlan
Subject: FW: (PF-19047.05) Central Miss Wastewater EA - City of Tor Parks Meeting
Attachments: 2020 Feb 17_For Discussion with Peel.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Chris and Justin,

FYI – I received the below information from Bill Snodgrass at the City of Toronto whom will be attending this afternoon’s meeting. Bill was invited by Dennis Kovacsi’s of Parks and is with Water.
Steven

Steven Oldford, AACI, P.App
Senior Capital Acquisition Agent, Real Estate
The Regional Municipality of Peel
Cell Phone: 289-541-9280
Email: steven.oldford@peelregion.ca

From: Bill Snodgrass <Bill.Snodgrass@toronto.ca>
Sent: February 17, 2021 10:06 AM
To: Oldford, Steven <steven.oldford@peelregion.ca>; Dennis Kovacsi <Dennis.Kovacsi@toronto.ca>
Subject: RE: (PF-19047.05) Central Miss Wastewater EA - City of Tor Parks Meeting

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Hi Steven

Your invitation was received. Thank you very much.

Please find attached a clip from TWAG (Toronto Water Asset Geodatabase) showing sewers in the area of your inquiry, that we can use as part of the discussion this p.m.

Tx Bill

From: Oldford, Steven [<mailto:steven.oldford@peelregion.ca>]
Sent: February 17, 2021 8:10 AM
To: Dennis Kovacsi <Dennis.Kovacsi@toronto.ca>; Bill Snodgrass <Bill.Snodgrass@toronto.ca>
Subject: RE: (PF-19047.05) Central Miss Wastewater EA - City of Tor Parks Meeting

Hi Dennis,

I have send Bill an invite. Please let me know if he does not received.

Steve

Steven Oldford, AACI, P.App
Senior Capital Acquisition Agent, Real Estate
The Regional Municipality of Peel
Cell Phone: 289-541-9280
Email: steven.oldford@peelregion.ca

From: Dennis Kovacs <Dennis.Kovacs@toronto.ca>
Sent: February 16, 2021 3:59 PM
To: Oldford, Steven <steven.oldford@peelregion.ca>; Bill Snodgrass <Bill.Snodgrass@toronto.ca>
Subject: RE: (PF-19047.05) Central Miss Wastewater EA - City of Tor Parks Meeting

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Could we add Bill Snodgrass

-----Original Appointment-----

From: Oldford, Steven [<mailto:steven.oldford@peelregion.ca>]
Sent: February 16, 2021 12:48 PM
To: Oldford, Steven; Lee, Justin; Chris Campbell - GM BluePlan; Dennis Kovacs
Cc: Mark Zamojc - GM BluePlan; Sandra Anastasio - GM BluePlan; Miles Argue
Subject: (PF-19047.05) Central Miss Wastewater EA - City of Tor Parks Meeting
When: February 17, 2021 2:00 PM-3:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Microsoft Teams Meeting

Hi Everyone,

The intend of this meeting is to seek the City of Toronto's Park Department's input as to the proposed shaft/manhole location at Site 1B (N/S Sherway Drive) in connection with the Region of Peel Central Mississauga Wastewater EA, and the necessary agreements required to facilitate construction.

Steve

Microsoft Teams meeting

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<< File: City of Tor (Site 1B) PIN 07567-0125 & 07567-0134 - Agreements.pdf >> << File: Site 1B.pdf >>

For Discussion with Peel/ Property et al Feb 17 2020 2. p.m.



Query as to ownership of these 2 Creek Valley located Sanitary Sewers

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Tuesday, April 06, 2021 12:52 PM
To: Miles Argue
Cc: Oldford, Steven; Lee, Justin; Chris Campbell - GM BluePlan
Subject: RE: Peel Central Miss EA - Meeting Minutes
Attachments: 210217 - PKG - COT Property Meeting_Final.pdf

Hi Miles,

Thank you for providing feedback. I have updated the minutes accordingly and have attached the final meeting package.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Miles Argue <Miles.Argue@toronto.ca>
Sent: Tuesday, April 06, 2021 11:49 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Oldford, Steven <steven.oldford@peelregion.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Miles Argue <Miles.Argue@toronto.ca>
Subject: RE: Peel Central Miss EA - Meeting Minutes

Hi Sandra,

One comment only:

6. Future maintenance access via Sherway Drive will not require agreement as it is an assumed road, according to the Official Record of Highways. Dennis will provide an update regarding the temporary barrier and if there are any future plans for improvements.

Best Regards,

Miles Argue
Property Officer
Corporate Real Estate Management
[City of Toronto](http://www.cityoftoronto.ca)

416-397-7522

From: Sandra Anastasio - GM BluePlan [<mailto:Sandra.Anastasio@gmblueplan.ca>]

Sent: April 5, 2021 1:06 PM

To: Miles Argue <Miles.Argue@toronto.ca>

Cc: Oldford, Steven <steven.oldford@peelregion.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>

Subject: RE: Peel Central Miss EA - Meeting Minutes

Hi Miles,

I would like to follow up with the Peel Central Mississauga EA meeting minutes sent to you on March 25th. Please let me know if you or your team have any comments or questions. If not, we will consider these minutes finalized.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Sandra Anastasio - GM BluePlan

Sent: Thursday, March 25, 2021 2:33 PM

To: Dennis Kovacs <Dennis.Kovacs@toronto.ca>

Cc: Oldford, Steven <steven.oldford@peelregion.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Mark Zamojc (mark.zamojc@gmblueplan.ca) <mark.zamojc@gmblueplan.ca>; Miles Argue <Miles.Argue@toronto.ca>; wsnodgr@toronto.ca

Subject: Peel Central Miss EA - Meeting Minutes

Hi Dennis,

Please find attached the Feb 17th meeting minutes for the Region of Peel Wastewater Capacity Improvements in Central Mississauga EA.

Let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836



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Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Wednesday, June 09, 2021 9:15 AM
To: Bill Snodgrass
Cc: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

Hi Bill,

Good morning and hopefully all is well.

The Public Information Centre (PIC) No. 2 will be virtual. Materials will be available for public review as of June 22, 2021 and will provide a summary of the evaluation process and description of the preliminary preferred design concept. The PIC will not be a live event, however if you have any questions or comments, there will be a two-week question submission period from June 22, 2021 to July 6, 2021. We will provide formal responses to the comments received by July 20, 2021. Instructions on how to provide your comments will be posted on the study's website.

The study's website is included below.

peelregion.ca/pw/water/envirouassess/scheduled-c-class-environmental-assessment.asp

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Bill Snodgrass <Bill.Snodgrass@toronto.ca>
Sent: June 8, 2021 4:52 PM
To: Bill Snodgrass <Bill.Snodgrass@toronto.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

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

Hi Justin

Thank you to your team for sending the notice.

Is the 2nd PIC a virtual meeting with a presentation, or is it simply a review of on line project materials

Best
Bill Snodgrass
Cell 647 216 2417

From: Pamela Teddy - GM BluePlan [<mailto:Pamela.Teddy@gmblueplan.ca>]
Sent: June 8, 2021 2:51 PM
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

Hello,

Attached is a Notice of Public Information Centre (PIC) #2 for the Region of Peel Wastewater Capacity Improvements in Central Mississauga Municipal Class Environmental Assessment (EA) (Schedule 'C').

If you have any questions about the study, please contact the study's project manager, Justin Lee (contact information is provided in the attached Notice).

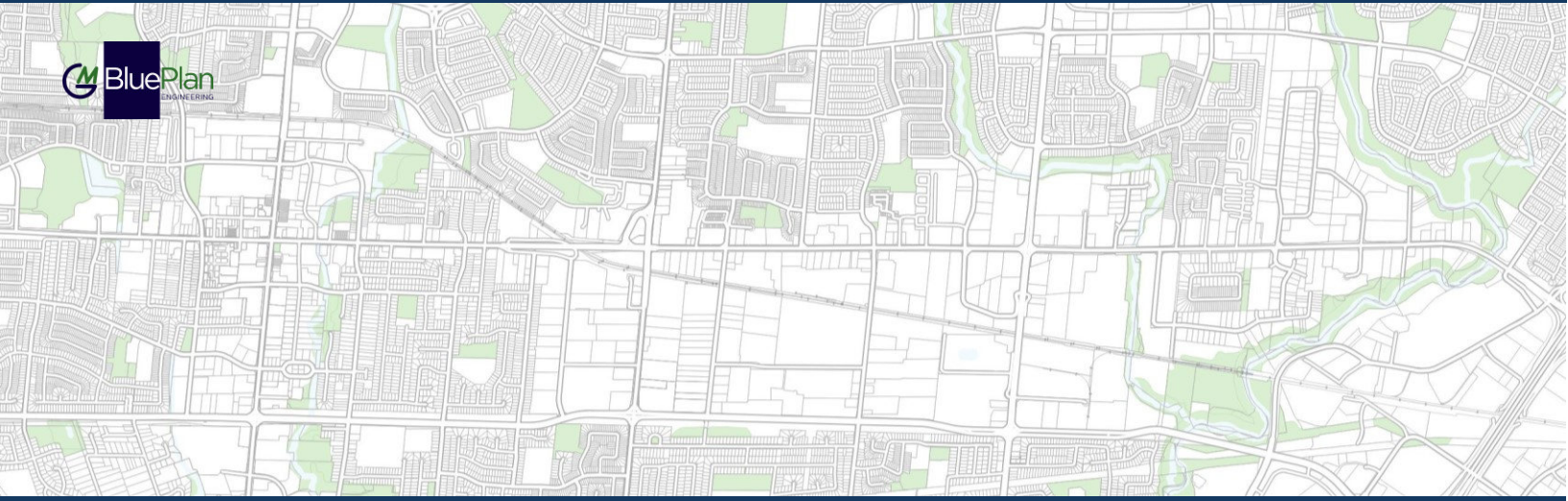
Best Regards,

Pamela Teddy, BSc., PGER
Office Coordinator

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REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Government Agency Consultation

Ministry of Environment, Conservation and Parks (MECP)

Sandra Anastasio - GM BluePlan

From: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>
Sent: Thursday, June 13, 2019 3:27 PM
To: laura.borowiec@peelregion.ca
Cc: Martin, Paul (MECP); Dufresne, Tina (MECP); Sandra Anastasio - GM BluePlan
Subject: Wastewater Capacity Improvements in Central Mississauga - Schedule C Municipal Class EA
Attachments: TSS Response_Notice of Commencement_Wastewater Capacity Improvements in Central Mississauga.pdf
Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon,

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

Sincerely,

Trevor Bell, B.Sc., M.Env.

Environmental Resource Planner and EA Coordinator
Technical Support Section | Central Region
Ministry of the Environment, Conservation and Parks
5775 Yonge St., 8th Floor
Toronto, ON M2M 4J1
T: 416-326-3577
E: trevor.bell@ontario.ca

Ministry of the Environment,
Conservation and Parks

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



Central Region

Région du Centre

5775 Yonge Street, 8th floor
North York ON M2M 4J1
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North York ON M2M 4J1
Tél. : 416 326-6700
Télééc. : 416 325-6345

June 13, 2019

File No.: EA 01-06-03

Laura Borowiec, P.Eng.
Project Manager
10 Peel Centre Drive, 4th Floor, Suite A
Region of Peel
Brampton, ON, L6T 4B9
laura.borowiec@peelregion.ca
BY EMAIL ONLY

Re: **Wastewater Capacity Improvements in Central Mississauga
Region of Peel
Schedule C Municipal Class EA
Response to Notice of Commencement**

Dear Ms. Borowiec

This letter is in response to the Notice of Commencement for the above noted project. The Ministry of the Environment, Conservation and Parks (MECP) acknowledges that the Region of Peel has indicated that the study is following the approved environmental planning process for a Schedule C project under the Municipal Class Environmental Assessment (Class EA).

The **updated** attached "Areas of Interest" document provides guidance regarding the ministry's interests with respect to the Class EA process. Please identify the areas of interest which are applicable to the project and ensure they are addressed. Proponents who address all of the applicable areas of interest can minimize potential delays to the project schedule.

The Crown has a legal duty to consult Aboriginal communities when it has knowledge, real or constructive, of the existence or potential existence of an Aboriginal or treaty right and contemplates conduct that may adversely impact that right. Before authorizing this project, the Crown must ensure that its duty to consult has been fulfilled, where such a duty is triggered. Although the duty to consult with Aboriginal peoples is a duty of the Crown, the Crown may delegate procedural aspects of this duty to project proponents while retaining oversight of the consultation process.

The proposed project may have the potential to affect Aboriginal or treaty rights protected under Section 35 of Canada's *Constitution Act* 1982. Where the Crown's duty to consult is triggered in relation to the proposed project, **the MECP is delegating the procedural aspects of rights-based consultation to the proponent through this letter.** The Crown intends to rely on the delegated consultation process in discharging its duty to consult and maintains the right to participate in the consultation process as it sees fit.

Based on information provided to date and the Crown's preliminary assessment the proponent is required to consult with the following communities who have been identified as potentially affected by the proposed project:

- Six Nations of the Grand River;
- Mississaugas of the Credit First Nation;
- Haudenosaunee Confederacy Chiefs Council; and
- Huron-Wendat Nation (if there is potential to impact archaeological resources).

Steps that the proponent may need to take in relation to Aboriginal consultation for the proposed project are outlined in the "Code of Practice for Consultation in Ontario's Environmental Assessment Process" which can be found at the following link: <https://www.ontario.ca/document/consultation-ontarios-environmental-assessment-process>

Additional information related to Ontario's Environmental Assessment Act is available online at: www.ontario.ca/environmentalassessments

Please also refer to the attached document "A Proponent's Introduction to the Delegation of Procedural Aspects of consultation with Aboriginal Communities" for further information.

The proponent must contact the Director of Environmental Approvals Branch under the following circumstances after initial discussions with the communities identified by MECP:

- Aboriginal or treaty rights impacts are identified to the proponent by the communities
- The proponent has reason to believe that the proposed project may adversely affect an Aboriginal or treaty right
- Consultation has reached an impasse
- A Part II Order request or elevation request is expected

The Director of the Environmental Approvals Branch can be notified either by email with the subject line "Potential Duty to Consult" to enviopermissions@ontario.ca or by mail or fax at the address provided below:

Email:	enviopermissions@ontario.ca Subject: Potential Duty to Consult
Fax:	416-314-8452
Address:	Environmental Assessment and Permissions Branch 135 St. Clair Avenue West, 1 st Floor Toronto, ON, M4V 1P5

The MECP will then assess the extent of any Crown duty to consult for the circumstances and will consider whether additional steps should be taken, including what role the proponent will be asked to play in them.

A draft copy of the Environmental Study Report (ESR) should be sent to this office prior to the filing of the final report, allowing a minimum of 30 days for the ministry's technical reviewers to provide comments. Please also forward the Notice of Completion and final ESR to me when completed.

Should you or any members of your project team have any questions regarding the material above, please contact me at trevor.bell@ontario.ca or 416-326-3577.

Sincerely,



Trevor Bell
Regional Environmental Assessment Coordinator
Air, Pesticides and Environmental Planning

cc: Paul Martin, Supervisor, Technical Support Section, MECP
Tina Dufresne, Manager, Halton Peel District Office, MECP
Sandra Anastasio, Infrastructure Planning, GM BluePlan Engineering Ltd.
Central Region EA File
A & P File

Attach: Areas of Interest
A Proponent's Introduction to the Delegation of Procedural Aspects of consultation with Aboriginal Communities

AREAS OF INTEREST

It is suggested that you check off each applicable area after you have considered / addressed it.

Source Water Protection (all projects)

The Clean Water Act, 2006 (CWA) aims to protect existing and future sources of drinking water. To achieve this, several types of vulnerable areas have been delineated around surface water intakes and wellheads for every municipal residential drinking water system that is in a source protection area. These vulnerable areas are known as a Wellhead Protection Areas (WHPAs) and surface water Intake Protection Zones (IPZs). Other vulnerable areas that have been delineated under the CWA include Highly Vulnerable Aquifers (HVAs), Significant Groundwater Recharge Areas (SGRAs), Event-based modelling areas (EBAs), and Issues Contributing Areas (ICAs). Source protection plans have been developed that include policies to address existing and future risks to sources of municipal drinking water within these vulnerable areas.

Projects that are subject to the Environmental Assessment Act that fall under a Class EA, or one of the Regulations, have the potential to impact sources of drinking water if they occur in designated vulnerable areas or near other at-risk drinking water systems (i.e. systems that are not municipal residential systems). MEA Class EA projects may include activities that, if located in a vulnerable area, could be a threat to sources of drinking water (i.e. have the potential to adversely affect the quality or quantity of drinking water sources) and the activity could therefore be subject to policies in a source protection plan. Where an activity poses a risk to drinking water, policies in the local source protection plan may impact how or where that activity is undertaken. Policies may prohibit certain activities, or they may require risk management measures for these activities. Municipal Official Plans, planning decisions, Class EA projects (where the project includes an activity that is a threat to drinking water) and prescribed instruments must conform with policies that address significant risks to drinking water and must have regard for policies that address moderate or low risks.

- As you may be aware, in October 2015, the MEA Parent Class EA document was amended to include reference to the Clean Water Act (Section A.2.10.6) and indicates that proponents undertaking a Municipal Class EA project must identify early in their process whether a project is or could potentially be occurring with a vulnerable area. **Given this requirement, please include a section in the ESR on source water protection.**
 - The proponent should identify the source protection area and should clearly document how the proximity of the project to sources of drinking water (municipal or other) and any delineated vulnerable areas was considered and assessed. Specifically, the report should discuss whether the project is located in a vulnerable area and provide applicable details about the area. If located in a vulnerable area, proponents should document whether any project activities are prescribed drinking water threats and thus pose a risk to drinking water (this should be consulted on with the appropriate Source Protection Authority). Where an activity poses a risk to drinking water, the proponent must document and discuss in the ESR how the project adheres to or has regard to applicable policies in the local source protection plan. This section should then be used to inform and 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.
- While most source protection plans focused on including policies for significant drinking water threats in the WHPAs and IPZs it should be noted that even though source protection plan policies may not apply in HVAs, these are areas where aquifers are sensitive and at risk to impacts and within these areas, activities may impact the quality of sources of drinking water for systems other than municipal residential systems.
- In order to determine if this project is occurring within a vulnerable area, proponents can use this mapping tool: <http://www.applications.ene.gov.on.ca/swp/en/index.php>. The mapping tool will also

provide a link to the appropriate source protection plan in order to identify what policies may be applicable in the vulnerable area.

- For further information on the maps or source protection plan policies which may relate to their project, proponents must contact the appropriate source protection authority. **Please consult with the local source protection authority to discuss potential impacts on drinking water. The contact for this project is Jennifer Stephens at 416-661-6600 ext. 5568 or jstephens@trca.on.ca. Please document the results of that consultation within the ESR and include all communication documents/correspondence.**

More Information

For more information on the Clean Water Act, source protection areas and plans, including specific information on the vulnerable areas and drinking water threats, please refer to [Conservation Ontario's website](#) where you will also find links to the local source protection plan/assessment report.

A list of the prescribed drinking water threats can be found in [section 1.1 of Ontario Regulation 287/07](#) made under the Clean Water Act. In addition to prescribed drinking water threats, some source protection plans may include policies to address additional "local" threat activities, as approved by the MECP.

Climate Change

Ontario is leading the fight against climate change through the Climate Change Action Plan. Recently released, the plan lays out the specific actions Ontario will take in the next five years to meet its 2020 greenhouse gas reduction targets and establishes the framework necessary to meet its long-term targets. As a commitment of the action plan, **the province has now finalized a guide, "[Considering Climate Change in the Environmental Assessment Process](#)" (2017) (Guide).**

The Guide is now a part of the Environmental Assessment program's Guides and Codes of Practice. The Guide sets out the MECP's expectation for considering climate change in the preparation, execution and documentation of environmental assessment studies and processes. The guide provides examples, approaches, resources, and references to assist proponents with consideration of climate change in EA. **Proponents should review this Guide in detail.**

- The MECP expects proponent to:
 1. Consider during the assessment of alternative solutions and alternative designs, the following:
 - a. the project's expected production of greenhouse gas emissions and impacts on carbon sinks (climate change mitigation); and
 - b. resilience or vulnerability of the undertaking to changing climatic conditions (climate change adaptation).
 2. Include a discrete section in the ESR detailing how climate change was considered in the EA.

How climate change is considered can be qualitative or quantitative in nature and should be scaled to the project's level of environmental effect. In all instances, both a project's impacts on climate change (mitigation) and impacts of climate change on a project (adaptation) should be considered. Please ensure climate change is considered in the report.

Planning and Policy

- Parts of the study area may be subject to the [Oak Ridges Moraine Conservation Plan](#), [Niagara Escarpment Plan](#), [Greenbelt Plan](#), [Lake Simcoe Protection Plan](#), or [Growth Plan for the Greater Golden Horseshoe](#). Applicable policies should be referenced in the ESR, and the proponent should describe how the proposed study adheres to the relevant policies in these plans. **The [new 2017 provincial plans](#) are now in effect.**

- The [Provincial Policy Statement](#) (2014) contains policies that protect Ontario’s natural heritage and water resources. Applicable policies should be referenced in the ESR, and the proponent should describe how this proposed project is consistent with these policies.

□ **Air Quality, Dust and Noise**

- If there are sensitive receptors in the surrounding area of this project, an air quality/odour impact assessment will be useful to evaluate alternatives, determine impacts and identify appropriate mitigation measures. The scope of the assessment can be determined based on the potential effects of the proposed alternatives, and typically includes source and receptor characterization and a quantification of local air quality impacts on the sensitive receptors and the environment in the study area. The assessment will compare to all applicable standards or guidelines for all contaminants of concern. **Please contact this office for further consultation on the level of Air Quality Impact Assessment required for this project if not already advised.**

- **If a full Air Quality Impact Assessment is not required for the project, the ESR should still contain:**

- A discussion of local air quality including existing activities/sources that significantly impact local air quality and how the project may impact existing conditions;
- A discussion of the nearby sensitive receptors and the project’s potential air quality impacts on present and future sensitive receptors;
- A discussion of local air quality impacts that could arise from this project during both construction and operation; and
- A discussion of potential mitigation measures.

- As a common practice, “air quality” should be used an evaluation criterion for all road projects.

- Dust and noise control measures should be addressed and included in the construction plans to ensure that nearby residential and other sensitive land uses within the study area are not adversely affected during construction activities.

- Please note that the ministry recommends that non-chloride dust-suppressants be applied. For a comprehensive list of fugitive dust prevention and control measures that could be applied, refer to [Cheminfo Services Inc. Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities](#). Report prepared for Environment Canada. March 2005.

- The ESR should consider the potential impacts of increased noise levels during the operation of the completed project. The proponent should explore all potential measures to mitigate significant noise impacts during the assessment of alternatives.

□ **Ecosystem Protection and Restoration**

- Any impacts to ecosystem form and function must be avoided where possible. The ESR should describe any proposed mitigation measures and how project planning will protect and enhance the local ecosystem.

- All natural heritage features should be identified and described in detail to assess potential impacts and to develop appropriate mitigation measures. The following sensitive environmental features may be located within or adjacent to the study area:

- Areas of Natural and Scientific Interest (ANSIs)
- Rare Species of flora or fauna
- Watercourses
- Wetlands
- Woodlots

We recommend consulting with the Ministry of Natural Resources and Forestry (MNR), Fisheries and Oceans Canada (DFO) and your local conservation authority to determine if special measures or additional studies will be necessary to preserve and protect these sensitive features. In addition, you may consider the provisions of the Rouge Park Management Plan if applicable.

□ **Surface Water**

- The ESR must include a sufficient level of information to demonstrate that there will be no negative impacts on the natural features or ecological functions of any watercourses within the study area. Measures should be included in the planning and design process to ensure that any impacts to watercourses from construction or operational activities (e.g. spills, erosion, pollution) are mitigated as part of the proposed undertaking.
- Additional stormwater runoff from new pavement can impact receiving watercourses and flood conditions. Quality and quantity control measures to treat stormwater runoff should be considered for all new impervious areas and, where possible, existing surfaces. The ministry's [Stormwater Management Planning and Design Manual \(2003\)](#) should be referenced in the ESR and utilized when designing stormwater control methods. **A Stormwater Management Plan should be prepared as part of the Class EA process** that includes:
 - Strategies to address potential water quantity and erosion impacts related to stormwater draining into streams or other sensitive environmental features, and to ensure that adequate (enhanced) water quality is maintained
 - Watershed information, drainage conditions, and other relevant background information
 - Future drainage conditions, stormwater management options, information on erosion and sediment control during construction, and other details of the proposed works
 - Information on maintenance and monitoring commitments.
- Ontario Regulation 60/08 under the Ontario Water Resources Act (OWRA) applies to the Lake Simcoe Basin, which encompasses Lake Simcoe and the lands from which surface water drains into Lake Simcoe. If the proposed sewage treatment plant is listed in Table 1 of the regulation, the ESR should describe how the proposed project and its mitigation measures are consistent with the requirements of this regulation and the OWRA.
- Any potential approval requirements for surface water taking or discharge should be identified in the ESR. A Permit to Take Water (PTTW) under the OWRA will be required for any water takings that exceed 50,000 L/day. It should be noted that certain water taking activities have been prescribed by the Water Taking EASR Regulation – *O. Reg. 63/16*. These prescribed water-taking activities require registration in the EASR instead of a PTTW.

□ **Groundwater**

- The status of, and potential impacts to any well water supplies should be addressed. If the project involves groundwater takings or changes to drainage patterns, the quantity and quality of groundwater may be affected due to drawdown effects or the redirection of existing contamination flows. In addition, project activities may infringe on existing wells such that they must be reconstructed or sealed and abandoned. Appropriate information to define existing groundwater conditions should be included in the ESR.
- If the potential construction or decommissioning of water wells is identified as an issue, the ESR should refer to Ontario Regulation 903, Wells, under the OWRA.
- Potential impacts to groundwater-dependent natural features should be addressed. Any changes to groundwater flow or quality from groundwater taking may interfere with the ecological processes of streams, wetlands or other surficial features. In addition, discharging contaminated or high volumes of groundwater to these features may have direct impacts on their function. Any potential effects should be identified, and appropriate mitigation measures should be recommended. The level of detail required will be dependent on the significance of the potential impacts.
- Any potential approval requirements for groundwater taking or discharge should be identified in the ESR. A PTTW under the OWRA will be required for any water takings that exceed 50,000 L/day. It should be noted that certain water taking activities have been prescribed by the Water Taking EASR Regulation – *O. Reg. 63/16*. These prescribed water-taking activities require registration in the EASR instead of a PTTW.

□ **Contaminated Soils**

- Since the removal or movement of soils may be required, appropriate tests to determine contaminant levels from previous land uses or dumping should be undertaken. If the soils are contaminated, you must determine how and where they are to be disposed of, consistent with *Part XV.1 of the Environmental Protection Act (EPA)* and Ontario Regulation 153/04, Records of Site Condition, which details the new requirements related to site assessment and clean up. Please contact the ministry's District Offices for further consultation if contaminated sites are present.
- Any current or historical waste disposal sites should be identified in the ESR. The status of these sites should be determined to confirm whether approval pursuant to Section 46 of the EPA may be required for land uses on former disposal sites.
- The location of any underground storage tanks should be investigated in the ESR. Measures should be identified to ensure the integrity of these tanks and to ensure an appropriate response in the event of a spill. The ministry's Spills Action Centre must be contacted in such an event.
- The ESR should identify any underground transmission lines in the study area. The owners should be consulted to avoid impacts to this infrastructure, including potential spills.

□ **Excess Materials Management**

- Activities involving the management of excess soil should be completed in accordance with the MECP's current guidance document titled "[Management of Excess Soil – A Guide for Best Management Practices](#)" (2014).
- All waste generated during construction must be disposed of in accordance with ministry requirements.

□ **Servicing and Facilities**

- Any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste must have an Environmental Compliance Approval (ECA) before it can operate lawfully. Please consult with the Environmental Approvals Access and Service Integration Branch (EAASIB) to determine whether a new or amended ECA will be required for any proposed infrastructure.
- We recommend referring to the ministry's "D-Series" guidelines – Land Use Compatibility to ensure that any potential land use conflicts are considered when planning for any infrastructure or facilities related to wastewater, pipelines, landfills or industrial uses.

□ **Mitigation and Monitoring**

Contractors must be made aware of all environmental considerations so that all environmental standards and commitments for both construction and operation are met. Mitigation measures should be clearly referenced in the ESR and regularly monitored during the construction stage of the project. In addition, we encourage proponents to conduct post-construction monitoring to ensure all mitigation measures have been effective and are functioning properly.

- Design and construction reports and plans should be based on a best management approach that centres on the prevention of impacts, protection of the existing environment, and opportunities for rehabilitation and enhancement of any impacted areas.
- The proponent's construction and post-construction monitoring plans must be documented in the ESR, as outlined in Section A.2.5 and A.4.1 of the MEA Class EA parent document.

□ **Consultation**

- The ESR must demonstrate how the consultation provisions of the Class EA have been fulfilled, including documentation of all stakeholder consultation efforts undertaken during the planning process. This includes a discussion in the ESR that identifies concerns that were raised and **describes how they have been addressed by the proponent** throughout the planning process. The Class EA also directs proponents to include copies of comments submitted on the project by interested stakeholders, and the proponent's responses to these comments.

□ **Class EA Process**

- The ESR should provide clear and complete documentation of the planning process in order to allow for transparency in decision-making.
- If this project is a Master Plan: there are several different approaches that can be used to conduct a Master Plan, examples of which are outlined in Appendix 4 of the Class EA. The Master Plan should clearly indicate the selected approach for conducting the plan, by identifying whether the levels of assessment, consultation and documentation are sufficient to fulfill the requirements for Schedule B or C projects. Please note that any Schedule B or C projects identified in the plan would be subject to Part II Order Requests under the *Environmental Assessment Act* (EAA), although the plan itself would not be.
- The Class EA requires the consideration of the effects of each alternative on all aspects of the environment. The ESR should include a level of detail (e.g. hydrogeological investigations, terrestrial and aquatic assessments) such that all potential impacts can be identified, and appropriate mitigation measures can be developed. Any supporting studies conducted during the Class EA process should be referenced and included as part of the ESR.
- Please include in the ESR a list of all subsequent permits or approvals that may be required for the implementation of the preferred alternative, including MECP's PTTW, EASR Registrations and ECAs, conservation authority permits, and approval under the *Canadian Environmental Assessment Act 2012* (CEAA 2012)
- Ministry guidelines and other information related to the issues above are available at <http://www.ontario.ca/environment-and-energy/environment-and-energy>. We encourage you to review all the available guides and to reference any relevant information in the ESR.

A PROPONENT'S INTRODUCTION TO THE DELEGATION OF PROCEDURAL ASPECTS OF CONSULTATION WITH ABORIGINAL COMMUNITIES

DEFINITIONS

The following definitions are specific to this document and may not apply in other contexts:

Aboriginal communities – the First Nation or Métis communities identified by the Crown for the purpose of consultation.

Consultation – the Crown's legal obligation to consult when the Crown has knowledge of an established or asserted Aboriginal or treaty right and contemplates conduct that might adversely impact that right. This is the type of consultation required pursuant to s. 35 of the *Constitution Act, 1982*. Note that this definition does not include consultation with Aboriginal communities for other reasons, such as regulatory requirements.

Crown – the Ontario Crown, acting through a particular ministry or ministries.

Procedural aspects of consultation – those portions of consultation related to the process of consultation, such as notifying an Aboriginal community about a project, providing information about the potential impacts of a project, responding to concerns raised by an Aboriginal community and proposing changes to the project to avoid negative impacts.

Proponent – the person or entity that wants to undertake a project and requires an Ontario Crown decision or approval for the project

I. PURPOSE

The Crown has a legal duty to consult Aboriginal communities when it has knowledge of an existing or asserted Aboriginal or treaty right and contemplates conduct that may adversely impact that right. In outlining a framework for the duty to consult, the Supreme Court of Canada has stated that the Crown may delegate procedural aspects of consultation to third parties. This document provides general information about the Ontario Crown's approach to delegation of the procedural aspects of consultation to proponents.

This document is not intended to instruct a proponent about an individual project, and it does not constitute legal advice.

II. WHY IS IT NECESSARY TO CONSULT WITH ABORIGINAL COMMUNITIES?

The objective of the modern law of Aboriginal and treaty rights is the *reconciliation* of Aboriginal peoples and non-Aboriginal peoples and their respective rights, claims and interests. Consultation is an important component of the reconciliation process.

The Crown has a legal duty to consult Aboriginal communities when it has knowledge of an existing or asserted Aboriginal or treaty right and contemplates conduct that might adversely impact that right. For example, the Crown's duty to consult is triggered when it considers issuing a permit, authorization or approval for a project which has the potential to adversely impact an Aboriginal right, such as the right to hunt, fish, or trap in a particular area.

The scope of consultation required in particular circumstances ranges across a spectrum depending on both the nature of the asserted or established right and the seriousness of the potential adverse impacts on that right.

Depending on the particular circumstances, the Crown may also need to take steps to accommodate the potentially impacted Aboriginal or treaty right. For example, the Crown may be required to avoid or minimize the potential adverse impacts of the project.

III. THE CROWN'S ROLE AND RESPONSIBILITIES IN THE DELEGATED CONSULTATION PROCESS

The Crown has the responsibility for ensuring that the duty to consult, and accommodate where appropriate, is met. However, the Crown may delegate the procedural aspects of consultation to a proponent.

There are different ways in which the Crown may delegate the procedural aspects of consultation to a proponent, including through a letter, a memorandum of understanding, legislation, regulation, policy and codes of practice.

If the Crown decides to delegate procedural aspects of consultation, the Crown will generally:

- Ensure that the delegation of procedural aspects of consultation and the responsibilities of the proponent are clearly communicated to the proponent;
- Identify which Aboriginal communities must be consulted;
- Provide contact information for the Aboriginal communities;
- Revise, as necessary, the list of Aboriginal communities to be consulted as new information becomes available and is assessed by the Crown;
- Assess the scope of consultation owed to the Aboriginal communities;
- Maintain appropriate oversight of the actions taken by the proponent in fulfilling the procedural aspects of consultation;
- Assess the adequacy of consultation that is undertaken and any accommodation that may be required;
- Provide a contact within any responsible ministry in case issues arise that require direction from the Crown; and
- Participate in the consultation process as necessary and as determined by the Crown.

IV. THE PROPONENT'S ROLE AND RESPONSIBILITIES IN THE DELEGATED CONSULTATION PROCESS

Where aspects of the consultation process have been delegated to a proponent, the Crown, in meeting its duty to consult, will rely on the proponent's consultation activities and documentation of those activities. The consultation process informs the Crown's decision of whether or not to approve a proposed project or activity.

A proponent's role and responsibilities will vary depending on a variety of factors including the extent of consultation required in the circumstance and the procedural aspects of consultation the Crown has delegated to it. Proponents are often in a better position than the Crown to discuss a project and its potential impacts with Aboriginal communities and to determine ways to avoid or minimize the adverse impacts of a project.

A proponent can raise issues or questions with the Crown at any time during the consultation process. If issues or concerns arise during the consultation that cannot be addressed by the proponent, the proponent should contact the Crown.

a) What might a proponent be required to do in carrying out the procedural aspects of consultation?

Where the Crown delegates procedural aspects of consultation, it is often the proponent's responsibility to provide notice of the proposed project to the identified Aboriginal communities. The notice should indicate that the Crown has delegated the procedural aspects of consultation to the proponent and should include the following information:

- a description of the proposed project or activity;
- mapping;
- proposed timelines;
- details regarding anticipated environmental and other impacts;
- details regarding opportunities to comment; and
- any changes to the proposed project that have been made for seasonal conditions or other factors, where relevant.

Proponents should provide enough information and time to allow Aboriginal communities to provide meaningful feedback regarding the potential impacts of the project. Depending on the nature of consultation required for a project, a proponent also may be required to:

- provide the Crown with copies of any consultation plans prepared and an opportunity to review and comment;
- ensure that any necessary follow-up discussions with Aboriginal communities take place in a timely manner, including to confirm receipt of information, share and update information and to address questions or concerns that may arise;
- as appropriate, discuss with Aboriginal communities potential mitigation measures and/or changes to the project in response to concerns raised by Aboriginal communities;
- use language that is accessible and not overly technical, and translate material into Aboriginal languages where requested or appropriate;
- bear the reasonable costs associated with the consultation process such as, but not limited to, meeting hall rental, meal costs, document translation(s), or to address technical & capacity issues;
- provide the Crown with all the details about potential impacts on established or asserted Aboriginal or treaty rights, how these concerns have been considered and addressed by the proponent and the Aboriginal communities and any steps taken to mitigate the potential impacts;

- provide the Crown with complete and accurate documentation from these meetings and communications; and
- notify the Crown immediately if an Aboriginal community not identified by the Crown approaches the proponent seeking consultation opportunities.

b) What documentation and reporting does the Crown need from the proponent?

Proponents should keep records of all communications with the Aboriginal communities involved in the consultation process and any information provided to these Aboriginal communities.

As the Crown is required to assess the adequacy of consultation, it needs documentation to satisfy itself that the proponent has fulfilled the procedural aspects of consultation delegated to it. The documentation required would typically include:

- the date of meetings, the agendas, any materials distributed, those in attendance and copies of any minutes prepared;
- the description of the proposed project that was shared at the meeting;
- any and all concerns or other feedback provided by the communities;
- any information that was shared by a community in relation to its asserted or established Aboriginal or treaty rights and any potential adverse impacts of the proposed activity, approval or disposition on such rights;
- any proposed project changes or mitigation measures that were discussed, and feedback from Aboriginal communities about the proposed changes and measures;
- any commitments made by the proponent in response to any concerns raised, and feedback from Aboriginal communities on those commitments;
- copies of correspondence to or from Aboriginal communities, and any materials distributed electronically or by mail;
- information regarding any financial assistance provided by the proponent to enable participation by Aboriginal communities in the consultation;
- periodic consultation progress reports or copies of meeting notes if requested by the Crown;
- a summary of how the delegated aspects of consultation were carried out and the results; and
- a summary of issues raised by the Aboriginal communities, how the issues were addressed and any outstanding issues.

In certain circumstances, the Crown may share and discuss the proponent's consultation record with an Aboriginal community to ensure that it is an accurate reflection of the consultation process.

c) Will the Crown require a proponent to provide information about its commercial arrangements with Aboriginal communities?

The Crown may require a proponent to share information about aspects of commercial arrangements between the proponent and Aboriginal communities where the arrangements:

- include elements that are directed at mitigating or otherwise addressing impacts of the project;
- include securing an Aboriginal community's support for the project; or
- may potentially affect the obligations of the Crown to the Aboriginal communities.

The proponent should make every reasonable effort to exempt the Crown from confidentiality provisions in commercial arrangements with Aboriginal communities to the extent necessary to allow this information to be shared with the Crown.

The Crown cannot guarantee that information shared with the Crown will remain confidential. Confidential commercial information should not be provided to the Crown as part of the consultation record if it is not relevant to the duty to consult or otherwise required to be submitted to the Crown as part of the regulatory process.

V. WHAT ARE THE ROLES AND RESPONSIBILITIES OF ABORIGINAL COMMUNITIES' IN THE CONSULTATION PROCESS?

Like the Crown, Aboriginal communities are expected to engage in consultation in good faith. This includes:

- responding to the consultation notice;
- engaging in the proposed consultation process;
- providing relevant documentation;
- clearly articulating the potential impacts of the proposed project on Aboriginal or treaty rights; and
- discussing ways to mitigate any adverse impacts.

Some Aboriginal communities have developed tools, such as consultation protocols, policies or processes that provide guidance on how they would prefer to be consulted. Although not legally binding, proponents are encouraged to respect these community processes where it is reasonable to do so. Please note that there is no obligation for a proponent to pay a fee to an Aboriginal community in order to enter into a consultation process.

To ensure that the Crown is aware of existing community consultation protocols, proponents should contact the relevant Crown ministry when presented with a consultation protocol by an Aboriginal community or anyone purporting to be a representative of an Aboriginal community.

VI. WHAT IF MORE THAN ONE PROVINCIAL CROWN MINISTRY IS INVOLVED IN APPROVING A PROPONENT'S PROJECT?

Depending on the project and the required permits or approvals, one or more ministries may delegate procedural aspects of the Crown's duty to consult to the proponent. The proponent may contact individual ministries for guidance related to the delegation of procedural aspects of consultation for ministry-specific permits/approvals required for the project in question. Proponents are encouraged to seek input from all involved Crown ministries sooner rather than later.

Sandra Anastasio - GM BluePlan

From: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>
Sent: Tuesday, January 11, 2022 11:56 AM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; Lee, Justin; Borowiec, Laura
Subject: RE: Peel Central Miss EA # EA 01-06-03 - Draft ESR Review

Hi Sandra,

Happy new year to you too! Thank you for reaching out. I appreciate the time extension. I will send our review comments by this Friday at the latest.

Thanks,
Trevor

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: January 10, 2022 4:59 PM
To: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>
Subject: RE: Peel Central Miss EA # EA 01-06-03 - Draft ESR Review

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello Trevor,

Happy New Year!

At the beginning of December, we provided a copy of the Region of Peel's Wastewater Capacity Improvements in Central Mississauga Draft Environmental Study Report for review prior to the 30-Day public review period. The deadline to submit comments is today, however if your team requires additional time, please send any comments by this Friday, January 14th for consideration before project filing.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Sandra Anastasio - GM BluePlan
Sent: Friday, December 03, 2021 7:57 PM

To: trevor.bell@ontario.ca

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>

Subject: Peel Central Miss EA # EA 01-06-03 - Draft ESR Review

Hi Trevor,

The Region of Peel is planning on filing the Environmental Study Report (ESR) for the Wastewater Capacity Improvements in Central Mississauga EA (File # EA 01-06-03) early in the New Year. We would like to provide MECP with the opportunity to review the Draft ESR before the public review period. I have included a link below to the Draft ESR.

https://sendafile.gmblueplan.ca/public_uploads/2021-12-04_004803_2021-12-03_Peel_Central_Mississauga_EA_DRAFT_ESR_Stakeholder_Review.zip

This link will be available for the next 21 days

Please provide your team's comments by January 10th, 2022 for consideration before project filing.

Let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

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Sandra Anastasio - GM BluePlan

From: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>
Sent: Wednesday, January 12, 2022 3:18 PM
To: Borowiec, Laura
Cc: Lee, Justin; Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan
Subject: RE: Wastewater Capacity Improvements for Central Mississauga - Schedule C Municipal Class EA
Attachments: MECP Comments_draft ESR_Wastewater Capacity Improvements in Central Mississauga.pdf

Apologies, the previous letter included should have included a copy to Justin Lee, not Jason Lee.

Thanks,
Trevor

Trevor Bell | Regional Environmental Planner
Project Review Unit, Environmental Assessment 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

From: Bell, Trevor (MECP)
Sent: January 12, 2022 3:09 PM
To: Borowiec, Laura <laura.borowiec@peelregion.ca>
Cc: Potter, Katy (MECP) <Katy.Potter@ontario.ca>; Wild, Loralyn (MECP) <Loralyn.Wild@ontario.ca>; Bulman, Vincent (MECP) <Vincent.Bulman@ontario.ca>; Spedalieri, Christine (MECP) <Christine.Spedalieri@ontario.ca>; 'jason.lee@peelregion.ca' <jason.lee@peelregion.ca>; 'Sandra Anastasio - GM BluePlan' <Sandra.Anastasio@gmblueplan.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: Wastewater Capacity Improvements for Central Mississauga - Schedule C 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 | Regional Environmental Planner
Project Review Unit, Environmental Assessment 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
Télééc. : 416 314-8452



January 12, 2022

Laura Borowiec, P.Eng.
Program Manager, Infrastructure Planning – Growth and Water Resources
Region of Peel
laura.borowiec@peelregion.ca

BY EMAIL ONLY

Re: **Wastewater Capacity Improvements in Central Mississauga
Region of Peel
Schedule C Municipal Class Environmental Assessment
Draft Environmental Study Report**

Dear Ms. Borowiec,

The Ministry of the Environment, Conservation and Parks (the ministry) has reviewed the draft Environmental Study Report (the report) prepared by GM BluePlan Engineering Ltd., dated December 1, 2021, for the Schedule C Municipal Class Environmental Assessment for the Wastewater Capacity Improvements in Central Mississauga.

We understand that alignment alternatives along Burnhamthorpe Rd. (Area 1), Cawthra Rd. and Queensway E. (Area 2) were selected as the preferred solution, and that the preferred design concept solution consists of four gravity sewer alignments designed to connect to key trunk and local existing sewers, to ultimately flow to the East Trunk Sewer along Etobicoke Creek. We acknowledge that tunneling is the preferred construction method for most of the the new sewer alignments, but that open cut construction will be required at the Etobicoke Creek crossing and for connections to various trunk and local sewers.

We are generally satisfied with the report. The level of detail is appropriate for a project of this scale and at this stage in the planning process. The following comments are offered for your consideration:

Contaminated Sites and Permit to Take Water (PTTW) Comments:

1. The ministry agrees that a Phase 2 Environmental Site Assessment should be completed for all shaft sites. The proponent should consider submitting an FOI request to the ministry for addresses along the sewer alignment. This data will help inform the management of excess soils and water removed from excavations.
2. The ministry recommends that during future investigations, site specific hydrogeological data should be collected to satisfy the requirements for PTTWs or construction dewatering EASRs.

The hydrogeological reporting requirements for these instruments can be found at [Technical guidance document for hydrogeological studies in support of category 3 applications](#) and

[Technical guidance document for surface water studies in support of category 3 applications.](#)

3. The ministry recommends that proponent contact the Oak Ridges Moraine Groundwater Program. This organization has completed groundwater studies delineating artesian areas within the Oak Ridges Moraine and can be reached at [Oak Ridges Moraine Groundwater Program](#).
4. The proponent may also want to contact the ministry and make an FOI request of past/current PTTWs in or near the sewer alignments. Alternatively, the proponent can search for active PTTWs in or near the sewer alignments by using the [Source Protection Information Atlas](#).

Surface Water Comments:

5. Please note that the ministry no longer permits passive/pump-around water takings. For the open cut/trenching locations, dewatering assessments should be carried out at which time any potential impacts to adjacent surface water features should be determined.

Species at Risk:


6. Please note that the Ministry of the Environment, Conservation and Parks has assumed responsibility for administering the *Endangered Species Act* (ESA). Please contact the ministry's Species at Risk Branch at SAROntario@ontario.ca as soon as possible to confirm potential requirements under the ESA.

Indigenous Consultation:

7. Section 2.4.2 of the report should be expanded to include a detailed summary of consultation activities with Indigenous communities, including which communities were contacted and any attempts to follow up with potentially interested communities who may not have responded initially to project notifications.
8. A commitment should be made in Section 8.1.4 to immediately contact the identified Indigenous communities if archaeological resources are uncovered during construction. The ministry recommends developing a plan for work stoppage and a communication plan for contacting the Indigenous communities should any archaeological resources be uncovered.

Thank you for the opportunity to review the report. Please feel free to contact me directly at (437) 770-3731 or trevor.bell@ontario.ca with any questions you may have.

Sincerely,



Trevor Bell
Regional Environmental Planner
Project Review Unit

Cc: Katy Potter, Supervisor (A), Project Review Unit, MECP
Loralyn Wild, Manager (A), Halton-Peel District Office, MECP
Vincent Bulman, Senior Hydrogeologist, Central Region, MECP
Christine Spedalieri, Surface Water Specialist, Central Region, MECP
Justin Lee, Project Manager, Peel Region
Sandra Anastasio, Infrastructure Planning, GM BluePlan Engineering Ltd.
Chris Campbell, Group Leader, Infrastructure Planning, GM BluePlan Engineering Ltd.

Sandra Anastasio - GM BluePlan

From: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>
Sent: Monday, February 07, 2022 1:19 PM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; Lee, Justin
Subject: RE: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sandra,

Thanks for your email. A link to the electronic copy will be perfect. Regarding the Notice of Completion/PIF, we do need the Notice sent to the EA notification inbox. The completed PIF is appreciated but not really necessary, all I really need with respect to the PIF is the notice of completion date, which I gather is probably February 16. As long as the Notice of Completion is dated, that's fine.

Thanks,
Trevor

Trevor Bell | Regional Environmental Planner
Project Review Unit, Environmental Assessment 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

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: February 3, 2022 10:06 AM
To: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Trevor,

Attached is a Notice of Completion for the Region of Peel Wastewater Capacity Improvements in Central Mississauga Schedule 'C' Municipal Class Environmental Assessment (EA). The Environmental Study Report (ESR) outlining the Class EA process and preferred solution will be available for a 30-day public review period beginning February 16th, 2022 and ending March 18th, 2022. Please note that MECP's preliminary comments (received on January 12, 2022) have been incorporated into the ESR. Will the electronic copy of the ESR that will be posted on the Region of Peel project webpage be sufficient for MECP review?

I wanted to confirm whether the Notice of Completion has to be sent to the Ministry's Central Region Office (eanotification.cregion@ontario.ca) with the Project Information Form or does this procedure only apply to the Notice of Commencement of a Class EA study?

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7217 | c: 416.428.2836

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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Thursday, February 10, 2022 2:19 PM
To: Bell, Trevor (MECP)
Cc: Lee, Justin; Chris Campbell - GM BluePlan; Borowiec, Laura
Subject: RE: Wastewater Capacity Improvements for Central Mississauga - Schedule C Municipal Class EA
Attachments: 22-02-10 MECP Comment Responses.pdf

Hi Trevor,

Thank you for providing your team's comments on the Central Mississauga ESR. Our team has considered your comments and updated the report accordingly. Please find attached our comment responses.

The ESR will be available for public review from February 16th to March 18th, 2022 on the Region's project webpage: <https://www.peelregion.ca/pw/water/enviro-assess/scheduled-c-class-environmental-assessment.asp>

Please let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
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From: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>
Sent: Wednesday, January 12, 2022 3:18 PM
To: Borowiec, Laura <laura.borowiec@peelregion.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Wastewater Capacity Improvements for Central Mississauga - Schedule C Municipal Class EA

Apologies, the previous letter included should have included a copy to Justin Lee, not Jason Lee.

Thanks,
Trevor

Trevor Bell | Regional Environmental Planner
Project Review Unit, Environmental Assessment 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

From: Bell, Trevor (MECP)

Sent: January 12, 2022 3:09 PM

To: Borowiec, Laura <laura.borowiec@peelregion.ca>

Cc: Potter, Katy (MECP) <Katy.Potter@ontario.ca>; Wild, Loralyn (MECP) <Loralyn.Wild@ontario.ca>; Bulman, Vincent (MECP) <Vincent.Bulman@ontario.ca>; Spedalieri, Christine (MECP) <Christine.Spedalieri@ontario.ca>;

'jason.lee@peelregion.ca' <jason.lee@peelregion.ca>; 'Sandra Anastasio - GM BluePlan'

<Sandra.Anastasio@gmblueplan.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>

Subject: Wastewater Capacity Improvements for Central Mississauga - Schedule C 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 | Regional Environmental Planner

Project Review Unit, Environmental Assessment Branch

Ministry of the Environment, Conservation and Parks

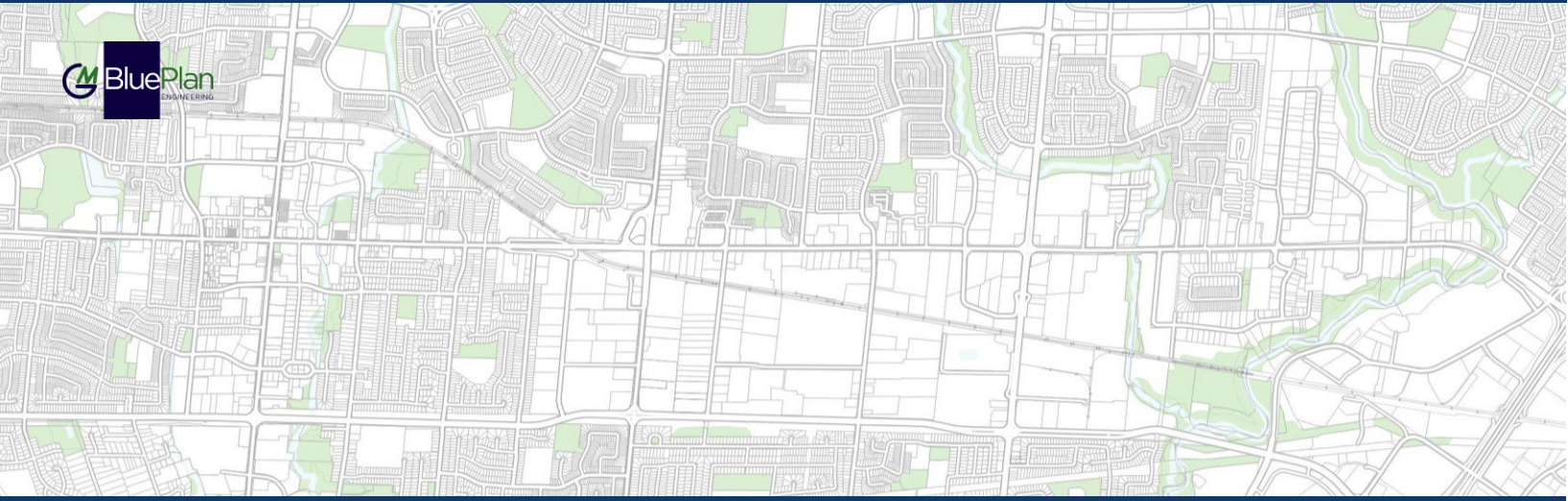
5775 Yonge Street, 8th floor, Toronto ON, M2M 4J1

New Phone: 437-770-3731 | trevor.bell@ontario.ca

MECP COMMENTS AND PROPONENT RESPONSES

ITEM	MECP COMMENTS (January 11, 2022)	GM BLUEPLAN RESPONSE (February 10, 2022)
1	The ministry agrees that a Phase 2 Environmental Site Assessment should be completed for all shaft sites. The proponent should consider submitting an FOI request to the ministry for addresses along the sewer alignment. This data will help inform the management of excess soils and water removed from excavations	MECP recommendation included in Section 9.5 (Design Commitments - ESA).
2	The ministry recommends that during future investigations, site specific hydrogeological data should be collected to satisfy the requirements for PTTWs or construction dewatering EASRs. The hydrogeological reporting requirements for these instruments can be found at Technical guidance document for hydrogeological studies in support of category 3 applications and Technical guidance document for surface water studies in support of category 3 applications.	A reference to the technical guidance document has been included in Section 9.4 (Design Commitments - Hydrogeological Investigations).
3	The ministry recommends that proponent contact the Oak Ridges Moraine Groundwater Program. This organization has completed groundwater studies delineating artesian areas within the Oak Ridges Moraine and can be reached at Oak Ridges Moraine Groundwater Program.	A reference to the Oak Ridges Moraine Groundwater Program has been included in Section 9.4 (Design Commitments - Hydrogeological Investigations)
4	The proponent may also want to contact the ministry and make an FOI request of past/current PTTWs in or near the sewer alignments. Alternatively, the proponent can search for active PTTWs in or near the sewer alignments by using the Source Protection Information Atlas.	A reference to the FOI request has been included in Section 9.4 (Design Commitments - Hydrogeological Investigations)
5	Please note that the ministry no longer permits passive/pump-around water takings. For the open cut/trenching locations, dewatering assessments should be carried out at which time any potential impacts to adjacent surface water features should be determined.	A note has been included in Section 9.4 (Design Commitments - Hydrogeological Investigations)

ITEM	MECP COMMENTS (January 11, 2022)	GM BLUEPLAN RESPONSE (February 10, 2022)
6	<p>Please note that the Ministry of the Environment, Conservation and Parks has assumed responsibility for administering the Endangered Species Act (ESA). Please contact the ministry's Species at Risk Branch at SAROntario@ontario.ca as soon as possible to confirm potential requirements under the ESA.</p>	<p>Further consultation regarding Species At Risk will be completed with MECP during Detailed Design</p> <p>Consultation agency updated in Section 9.2 (Design Commitments - Natural Environment) and Section 10.3.10 (Permits and Approvals - Site Specific Permits and Approvals)</p> <p>MECP - Species At Risk Branch has been added to the study contact list</p>
7	<p>Section 2.4.2 of the report should be expanded to include a detailed summary of consultation activities with Indigenous communities, including which communities were contacted and any attempts to follow up with potentially interested communities who may not have responded initially to project notifications.</p>	<p>Section 2.4.3 to Section 2.4.5 (Phase 1 - 3 Consultation) has been updated with additional details on points of contact with Indigenous Communities, however, full details (including responses) are provided in a summary table in Volume 1, Appendix G.</p>
8	<p>A commitment should be made in Section 8.1.4 to immediately contact the identified Indigenous communities if archaeological resources are uncovered during construction. The ministry recommends developing a plan for work stoppage and a communication plan for contacting the Indigenous communities should any archaeological resources be uncovered.</p>	<p>A reference to contact Indigenous Communities if any archaeological resources are uncovered has been added to Section 8.1.4 (Archaeological Potential)</p>



REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Government Agency Consultation

Ministry of Northern Development, Mines, Natural Resources and Forestry (MNDMNR)

Sandra Anastasio - GM BluePlan

From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Thursday, June 06, 2019 9:11 AM
To: Kowalyk, Bohdan (MNRF)
Cc: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: RE: Class EA for Wastewater Capacity Improvements in Central Mississauga

Good morning Bohdan,

Thank you for the confirmation and I'm happy to hear that you received our first Notice for this study.

We are working through the baseline assessment of natural features/systems as part of our Phase 1 work and will reach out to you if we have any questions.

Regards,

Laura Borowiec, P.Eng.

Project Manager
Infrastructure Planning & Studies, Growth, Groundwater & Source Water Protection
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
905-791-7800 Ext. 7681



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From: Kowalyk, Bohdan (MNRF) <bohdan.kowalyk@ontario.ca>
Sent: June 6, 2019 9:07 AM
To: Borowiec, Laura <laura.borowiec@peelregion.ca>
Subject: Class EA for Wastewater Capacity Improvements in Central Mississauga

Hello Laura,

We have received the Notice of Study Commencement for this project covering a fairly large area.

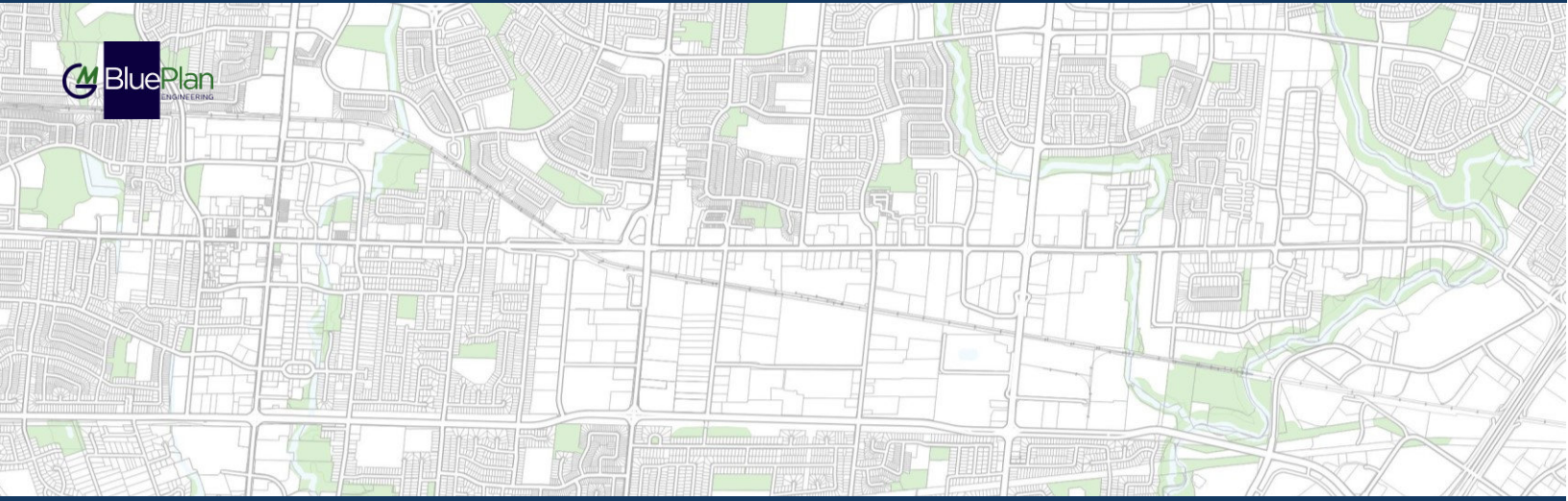
If you have any questions or findings regarding natural features/systems or impacts on them, please let us know.

Regards,

Bohdan Kowalyk, R.P.F.

District Planner, Aurora District, Ontario Ministry of Natural Resources and Forestry
50 Bloomington Road, Aurora, Ontario L4G 0L8

Phone: 905-713-7387; Email: Bohdan.Kowalyk@Ontario.ca



REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Government Agency Consultation

Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI)

Sandra Anastasio - GM BluePlan

From: Minkin, Dan (MHSTCI) <Dan.Minkin@ontario.ca>
Sent: Tuesday, April 14, 2020 11:57 AM
To: Sandra Anastasio - GM BluePlan
Cc: Lee, Justin; Chris Campbell - GM BluePlan
Subject: RE: Wastewater Capacity Improvements in Central Mississauga - MHSTCI Comments

Follow Up Flag: Follow up
Flag Status: Completed

Hi Sandra, thank you for your response.

For this study, you can use me as the sole heritage planning contact for MHSTCI. For new files that don't yet have an MHSTCI heritage planner in correspondence, please continue sending notices to Karla Barboza. Chris Rosati is no longer with this ministry.

All the best,

Dan Minkin

Heritage Planner
Ministry of Heritage, Sport, Tourism and Culture Industries
Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit
401 Bay Street, Suite 1700
Toronto, Ontario M7A 0A7
Tel. 416.314.7147 | Fax. 416.314.7175

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: April 14, 2020 11:10 AM
To: Minkin, Dan (MHSTCI) <Dan.Minkin@ontario.ca>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Wastewater Capacity Improvements in Central Mississauga - MHSTCI Comments

Hello Dan,

We acknowledge receipt of MHSTCI comments for the Municipal Class EA for Wastewater Capacity Improvement in Central Mississauga. Through the EA process, we will ensure that appropriate next steps are taken for cultural heritage and archaeological resources.

We currently have Christopher Rosati and Karla Barboza in our study contact list for MHSTCI. Please confirm if these contacts are correct and you would like to be added or if you would like to replace these contacts for this study.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Minkin, Dan (MHSTCI) <Dan.Minkin@ontario.ca>

Sent: March 26, 2020 8:30 PM

To: Lee, Justin <Justin.Lee@peelregion.ca>

Subject: Wastewater Capacity Improvements in Central Mississauga - MHSTCI Comments

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

Good evening,
Please see attached.

Dan Minkin

Heritage Planner

Ministry of Heritage, Sport, Tourism and Culture Industries

Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit

401 Bay Street, Suite 1700

Toronto, Ontario M7A 0A7

Tel. 416.314.7147 | Fax. 416.314.7175

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Ministry of Heritage, Sport,
Tourism, and Culture Industries

Programs and Services Branch
401 Bay Street, Suite 1700
Toronto, ON M7A 0A7
Tel: 416.314.7147

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: 416.314.7147



March 26, 2020

EMAIL ONLY

Justin Lee, P.Eng.
Project Manager
Peel Region
10 Peel Centre Drive
Brampton, ON L6T 4B9
Justin.lee@peelregion.ca

MHSTCI File : 0010905
Proponent : Region of Peel
Subject : Notice of Public Information Centre #1
Project : Wastewater Capacity Improvements in Central Mississauga
Location : Mississauga, Ontario

Dear Mr. Lee:

Thank you for providing the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) with the Notice of Public Information Centre (PIC) #1 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. The recommendations below are for a Schedule C Municipal Class EA project, as described in the notice of study commencement. If any municipal bridges may be impacted by this project, we can provide additional screening documentation as formulated by the Municipal Engineers Association in consultation with MHSTCI.

Project Summary

We understand that this EA project is to study how to expand the capacity of the Central Mississauga Water System.

Identifying Cultural Heritage Resources

While some cultural heritage resources may have already been formally identified, others may be identified through screening and evaluation. Indigenous communities may have knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Indigenous communities includes a discussion about known or potential cultural heritage resources that are of value to these communities. Municipal Heritage Committees, historical societies and other local heritage organizations may also have knowledge that contributes to the identification of cultural heritage resources.

Archaeological Resources

The MHSTCI [Criteria for Evaluating Archaeological Potential](#) and [Criteria for Evaluating Marine Archaeological Potential](#) are normally used to determine if an archaeological assessment is needed. MHSTCI archaeological sites data are available at archaeology@ontario.ca. We are of the impression from the PIC display materials that archaeological resources are being considered and an archaeological assessment (AA) is to be undertaken during the EA process by an archaeologist licenced under the OHA, who is responsible for submitting the report directly to MHSTCI for review.

Built Heritage and Cultural Heritage Landscapes

The MHSTCI [Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes](#) should be completed to help determine whether this EA project may impact cultural heritage resources. The Clerk for the City of Mississauga can provide information on property registered or designated under the *Ontario Heritage Act*. Municipal Heritage Planners can also provide information that will assist in completing the checklist.

If potential or known heritage resources exist, MHSTCI recommends that a Heritage Impact Assessment (HIA), prepared by a qualified consultant, should be completed to assess potential project impacts. Our Ministry's [Info Sheet #5: Heritage Impact Assessments and Conservation Plans](#) outlines the scope of HIAs. Please send the HIA to MHSTCI and the City of Mississauga for review, and make it available to local organizations or individuals who have expressed interest in review.

Environmental Assessment Reporting

All technical cultural heritage studies and their recommendations are to be addressed and incorporated into EA projects. Please advise MHSTCI whether any technical cultural heritage studies will be completed for this EA project, and provide them to MHSTCI before issuing a Notice of Completion. If screening has identified no known or potential cultural heritage resources, or no impacts to these resources, please include the completed checklists and supporting documentation in the EA report or file.

Thank you for consulting MHSTCI on this project and please continue to do so throughout the EA process. If you have any questions or require clarification, do not hesitate to contact me.

Sincerely,

Dan Minkin
Heritage Planner
Dan.Minkin@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.

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*.

**Ministry of Heritage, Sport, Tourism, and
Culture Industries**

Archaeology Program Unit
Programs and Services Branch
Heritage, Tourism and Culture Division
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel.: (416) 418-0949
Email: Zeeshan.Abedin@ontario.ca

**Ministère des Industries du patrimoine, du sport, du
tourisme et de la culture**

Unité des programmes d'archéologie
Direction des programmes et des services
Division du patrimoine, du tourisme et de la culture
401, rue Bay, bureau 1700
Toronto ON M7A 0A7
Tél. : (416) 418-0949
Email: Zeeshan.Abedin@ontario.ca



Apr 29, 2021

Alvina Tam (P1016)
Toronto and Region Conservation Authority
1229 Bethesda Richmond Hill ON M3N 1S4

RE: Entry into the Ontario Public Register of Archaeological Reports: Archaeological Assessment Report Entitled, "STAGE 1-2 ARCHAEOLOGICAL ASSESSMENT Region of Peel Central Mississauga Wastewater Lot 13, Southern Division Fronting the Lake III, Geographic Township of Etobicoke, Historic York County and Lot 3, Concession I South of Dundas Street, Geographic Township of Toronto, Historic Peel County in the City of Toronto and City of Mississauga ", Dated Apr 23, 2021, Filed with MHSTCI Toronto Office on N/A, MHSTCI Project Information Form Number P1016-0185-2020, MHSTCI File Number 0013475

Dear Mrs. Tam:

The above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18, has been entered into the Ontario Public Register of Archaeological Reports without technical review.¹

Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Should you require further information, please do not hesitate to send your inquiry to Archaeology@Ontario.ca

cc. Archaeology Licensing Officer
Steven Kovach, Regional Municipality of Peel
Lisa Turnbull, Toronto and Region Conservation Authority

¹In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Thursday, April 29, 2021 1:37 PM
To: Oldford, Steven
Cc: Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan
Subject: RE: ENTERED INTO REGISTER: Archaeological Report for P1016-0185-2020 / *

Thanks Steven,

Good to hear that the AA from TRCA has been filed with the ministry. I'll keep this in my files as well.

Thanks again,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Oldford, Steven <steven.oldford@peelregion.ca>
Sent: April 29, 2021 1:33 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Cc: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: FW: ENTERED INTO REGISTER: Archaeological Report for P1016-0185-2020 / *

Hi Justin,

Real Estate received the below email. This appears connected to the TRCA Site 1B and the requested Archaeological Assessment.

Regards,
Steven

Steven Oldford, AACI, SRWA
Senior Capital Acquisition Agent, Real Estate
The Regional Municipality of Peel
Cell Phone: 289-541-9280
Email: steven.oldford@peelregion.ca

From: pastport <pastport@ontario.ca>
Sent: April 29, 2021 12:00 PM
To: alvina.tam@trca.ca
Cc: lisa.turnbull@trca.ca; Kovach, Steven <steven.kovach@peelregion.ca>; PastPort@ontario.ca
Subject: ENTERED INTO REGISTER: Archaeological Report for P1016-0185-2020 / *

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

Dear Alvina Tam,

The Original report for PIF P1016-0185-2020, submitted by you as a condition of your licence, has been entered into the *Ontario Public Register of Archaeological Reports* without technical review. Please refer to the attached letter.

Note: the ministry makes no representation or warrant as to the completeness, accuracy or quality of reports in the register.

Development proponents and approval authorities: the Ontario Ministry Heritage, Sport, Tourism, Culture Industries has copied you on this email as you have been identified by the consultant archaeologist as either the proponent or approval authority for this project.

Please **do not** reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

Thank you,

Zeeshan Abedin

Zeeshan.Abedin@ontario.ca

Sandra Anastasio - GM BluePlan

From: Chris Campbell - GM BluePlan
Sent: Tuesday, May 11, 2021 11:07 AM
To: Lee, Justin
Cc: Sandra Anastasio - GM BluePlan
Subject: FW: ENTERED INTO REGISTER: Archaeological Report for P468-0067-2020 / *
Attachments: ENTERED INTO REGISTER Archaeological Report for P468-0067-2020.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

For your information.

Thanks
Chris

Chris Campbell, MTP, MCIP, RPP, MRTPI
Branch Manager, Infrastructure Planning, Partner

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7204 | c: 289.388.7499
chris.campbell@gmblueplan.ca | www.gmblueplan.ca



From: pastport <pastport@ontario.ca>
Sent: Tuesday, May 11, 2021 11:00 AM
To: [REDACTED]
Cc: Laura.borowiec@peelregion.ca; Laura.borowiec@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; PastPort@ontario.ca
Subject: ENTERED INTO REGISTER: Archaeological Report for P468-0067-2020 / *

Dear Rhiannon Fisher,

The ministry has reviewed the Original report for PIF P468-0067-2020 submitted by you as a condition of your licence.

This report has been deemed compliant with ministry requirements for archaeological fieldwork and reporting. It has been entered into the *Ontario Public Register of Archaeological Reports*. Please refer to the attached letter to see the result of this review.

Note: the ministry makes no representation or warrant as to the completeness, accuracy or quality of reports in the register.

Development proponents and approval authorities: the Ontario Ministry of Heritage, Sport, Tourism and Culture Industries has copied you on this email as you have been identified by the consultant archaeologist as either the proponent or approval authority for this project.

Please **do not** reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

Thank you,

Melissa Wallace

Melissa.Wallace@ontario.ca

**Ministry of Heritage, Sport, Tourism, and
Culture Industries**

Archaeology Program Unit
Programs and Services Branch
Heritage, Tourism and Culture Division
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel.: (437) 339-8882
Email: Melissa.Wallace@ontario.ca

**Ministère des Industries du patrimoine, du sport, du
tourisme et de la culture**

Unité des programme d'archéologie
Direction des programmes et des services
Division du patrimoine, du tourisme et de la culture
401, rue Bay, bureau 1700
Toronto ON M7A 0A7
Tél. : (437) 339-8882
Email: Melissa.Wallace@ontario.ca



May 11, 2021

Rhiannon Fisher (P468)
Golder Associates Ltd.
100 - 6925 Century Mississauga ON L5N7K2

**RE: Review and Entry into the Ontario Public Register of Archaeological Reports:
Archaeological Assessment Report Entitled, "Stage 2 Archaeological Assessment
Region of Peel Schedule 'C' Municipal Class EA for the Capacity Expansion of the
Central Mississauga Wastewater System, Various Lots and Concessions,
Geographic Township of Toronto, County of Peel, now the City of Mississauga,
Regional Municipality of Peel, Ontario", Dated Apr 13, 2021, Filed with MHSTCI
Toronto Office on Apr 20, 2021, MHSTCI Project Information Form Number P468-
0067-2020, MHSTCI File Number 0012515**

Dear Ms. Fisher:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18.¹ This review has been carried out in order to determine whether the licensed professional consultant archaeologist has met the terms and conditions of their licence, that the licensee assessed the property and documented archaeological resources using a process that accords with the 2011 *Standards and Guidelines for Consultant Archaeologists* set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.

The report documents the assessment/mitigation of the study area as depicted in Map 1 and recommends the following:

The Stage 2 archaeological assessment of the 9 preferred shaft locations did not result in the identification of archaeological sites or cultural materials. These findings provided the basis for the following recommendations:

- 1) Preferred shaft locations 02A, 03A, 07A, 08B, 09C, 10A, 11A, 12B and 17C, are considered free of archaeological concern, and no further archaeological assessment is recommended.
- 2) Preferred shaft location 14B was further inspected during the Stage 2 assessment and subsequently determined to have low to no archaeological potential. This location is of no further archaeological concern and no further assessment is recommended as per Section 1.3.2 and Section 1.4.1 Standard 1.f. of the MHSTCI (2011) *Standards and Guidelines for Consultant Archaeologists*.

3) Preferred shaft location 15C was previously subject to Stage 1 archaeological assessment by ASI and determined to have low to no archaeological potential on account of deep and extensive land disturbances and was determined to be of no further archaeological concern. Given these conclusions, no further assessment is recommended for this location.

Despite best efforts and due diligence, no archaeological assessment can necessarily account for all potential archaeological resources. Should deeply buried archaeological resources be identified during ground disturbance activity associated with future development of the Study Area, ground disturbance activities should be immediately halted and the Archaeology Division of the Culture Programs Unit of the MHSTCI notified.

The MHSTCI is requested to review, and provide a letter indicating their satisfaction with the results and recommendations presented herein, with regard to the 2011 Standards and Guidelines for Consultant Archaeologists and the terms and conditions for archaeological licences, and to enter this report into the Ontario Public Register of Archaeological Reports.

Based on the information contained in the report, the ministry is satisfied that the fieldwork and reporting for the archaeological assessment are consistent with the ministry's 2011 *Standards and Guidelines for Consultant Archaeologists* and the terms and conditions for archaeological licences. This report has been entered into the Ontario Public Register of Archaeological Reports. Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

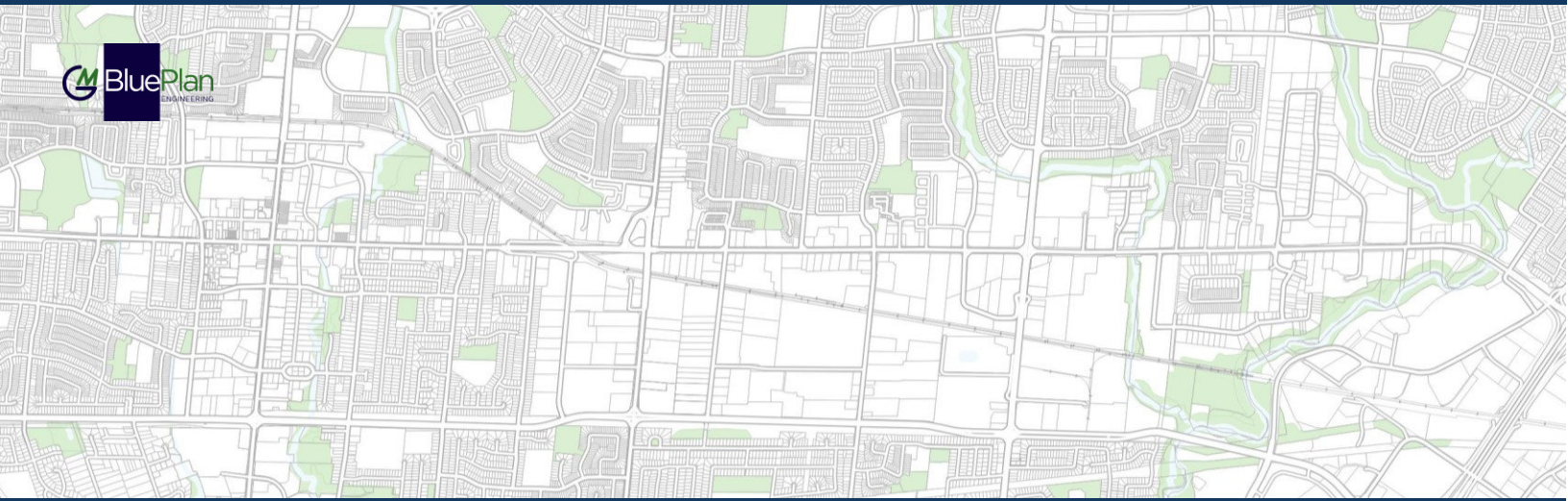
Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,

Melissa Wallace
Archaeology Review Officer

cc. Archaeology Licensing Officer
Chris Campbell, GM Blue Plan Engineering Limited
Laura Borowiec, Region of Peel
Laura Borowiec, Region of Peel

¹ *In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.*



REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Government Agency Consultation

Ministry of Transportation (MTO)



December 2, 2019

Our File: 718018

Ms. Wan-Chi Ma
Senior Project Engineer
Ontario Ministry of Transportation
77 Wellesley Street West
Toronto, Ontario M7A 1Z8

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

Dear Ms. Wan-Chi Ma,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and tunnel shaft locations which include alternatives that may involve a crossing of the QEW Highway in between Ogden and Dixie. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide preliminary comments regarding the crossings to assist us in our evaluation. We understand that a road widening of the North Service Road is planned within our study area. Any design and easement information you may be able to share with us at this time would be appreciated.

Furthermore, we would like to request a review of coordination protocols/standards and any other input that you can provide at this stage. If the preliminary preferred alignments and shaft locations selected involves a provincial highway crossing, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell', written over a white rectangular background.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>
Sent: Wednesday, December 04, 2019 11:38 AM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Shen, Rey (MTO)
Subject: RE: Region of Peel Central Mississauga EA

Hello Sandra,

I have also forwarded Peel's request to our Corridor Management Department and Rey Shen who is cc. on this e-mail is our Corridor Engineer. He will be managing this review and reach out to you.

Sincerely,

Wan Chi Ma, P.Eng.

Senior Project Engineer | Planning & Design
Highway Engineering
Ministry of Transportation
159 Sir William Hearst Avenue, 4th Floor
Toronto, ON M3M 0B7

☎ 416-235-4068

✉ wanchi.ma@ontario.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: December 4, 2019 11:36 AM
To: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: RE: Region of Peel Central Mississauga EA

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello Wan-Chi,

Thank you for letting me know.

Regards,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>
Sent: Wednesday, December 04, 2019 11:23 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: RE: Region of Peel Central Mississauga EA

Hello Sandra,

It seems to be working now.

Sincerely,

Wan Chi Ma, P.Eng.

Senior Project Engineer | Planning & Design
Highway Engineering
Ministry of Transportation
159 Sir William Hearst Avenue, 4th Floor
Toronto, ON M3M 0B7

☎ 416-235-4068

✉ wanchi.ma@ontario.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: December 4, 2019 11:08 AM
To: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: Region of Peel Central Mississauga EA

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello Ms. Wan-Chi Ma,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA -
_Preliminary_Short_Listed_Sites.pdf](https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>
Sent: Monday, December 23, 2019 2:36 PM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Gan, Nicholas; Pugliese, Frank; Shen, Rey (MTO); Khan, Moin (MTO)
Subject: RE: Region of Peel Central Mississauga EA
Attachments: P&D Letterhead - Peel Wastewater Capacity EA.pdf

Follow Up Flag: FollowUp
Flag Status: Flagged

Hello Sandra,

As per your request, please find the attached response/comments with the ministry's letterhead for the Region of Peel Wastewater Capacity Improvement EA as described below.

If you have any question, please feel free to contact me.

Happy Holiday!

Sincerely,

Wan Chi Ma, P.Eng.

Senior Project Engineer | Planning & Design
Highway Engineering
Ministry of Transportation
159 Sir William Hearst Avenue, 4th Floor
Toronto, ON M3M 0B7

☎ 416-235-4068

✉ wanchi.ma@ontario.ca

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To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; Gan, Nicholas <nicholas.gan@peelregion.ca>; Pugliese, Frank <frank.pugliese@peelregion.ca>; Shen, Rey (MTO) <Rey.Shen@ontario.ca>; Khan, Moin (MTO) <Moin.Khan@ontario.ca>
Subject: RE: Region of Peel Central Mississauga EA

Hello Sandra,

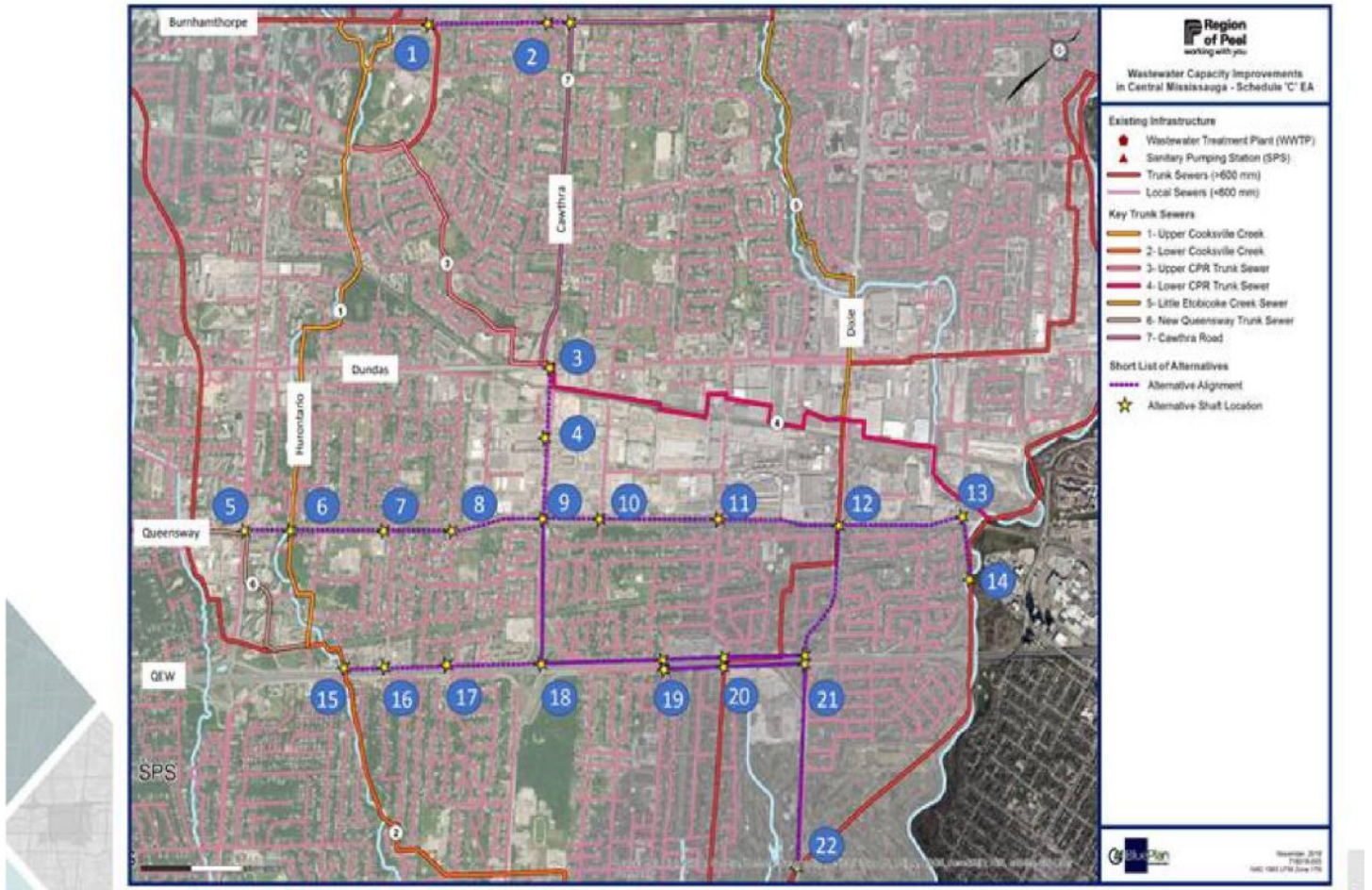
As per our discussion, please see the website that describes the QEW Improvement Work that the ministry is undertaking: <http://www.qewdixiedetaildesign.ca>

Contract 1 as described in the website is under construction (2018 to 2021) and Contract 2 is anticipated to start in 2022 and complete by 2024/2025 pending on environmental approval and funding.

Please see the approved TESR from January 2016: <http://www.qewdixiedetaildesign.ca/study-background-overview/> and the roll plan that is shown at the Detail Design PIC: http://www.qewdixiedetaildesign.ca/wp-content/uploads/2018/01/QEW_PIC_RollPlan.pdf. The Detail Design plan is draft and detail design is still in progress, therefore please use this plan for reference only.

From our discussion, it was stated that there are two main alternatives: 5 to 14 or 15 to 22. The alignment and the shaft locations from Cawthra Road to the east is in direct conflict with the QEW Improvement Contract 2 and at this time, the ministry recommends Peel Region to explore other alternatives.

OVERVIEW OF SHORT LIST OF ALTERNATIVES



Sincerely,

Wan Chi Ma, P.Eng.

Senior Project Engineer | Planning & Design

Highway Engineering

Ministry of Transportation

159 Sir William Hearst Avenue, 4th Floor

Toronto, ON M3M 0B7

416-235-4068

wanchi.ma@ontario.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: December 4, 2019 11:08 AM

To: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>

Subject: Region of Peel Central Mississauga EA

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello Ms. Wan-Chi Ma,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA -
_Preliminary_Short_Listed_Sites.pdf](https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
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Ministry of Transportation

Planning and Design Section
Central Region – Engineering
4th Floor
159 Sir William Hearst Avenue
Toronto ON M3M 0B7
Tel.: 416 235-5581
Fax: 416 235-3576

Ministère des Transports

Section de planification et de conception
Région du Centre – Ingénierie
4e étage
159, avenue Sir William Hearst
Toronto ON M3M 0B7
Tel.: 416 235-5581
Téléc.: 416 325-3576



December 23, 2019

Dear Sandra:

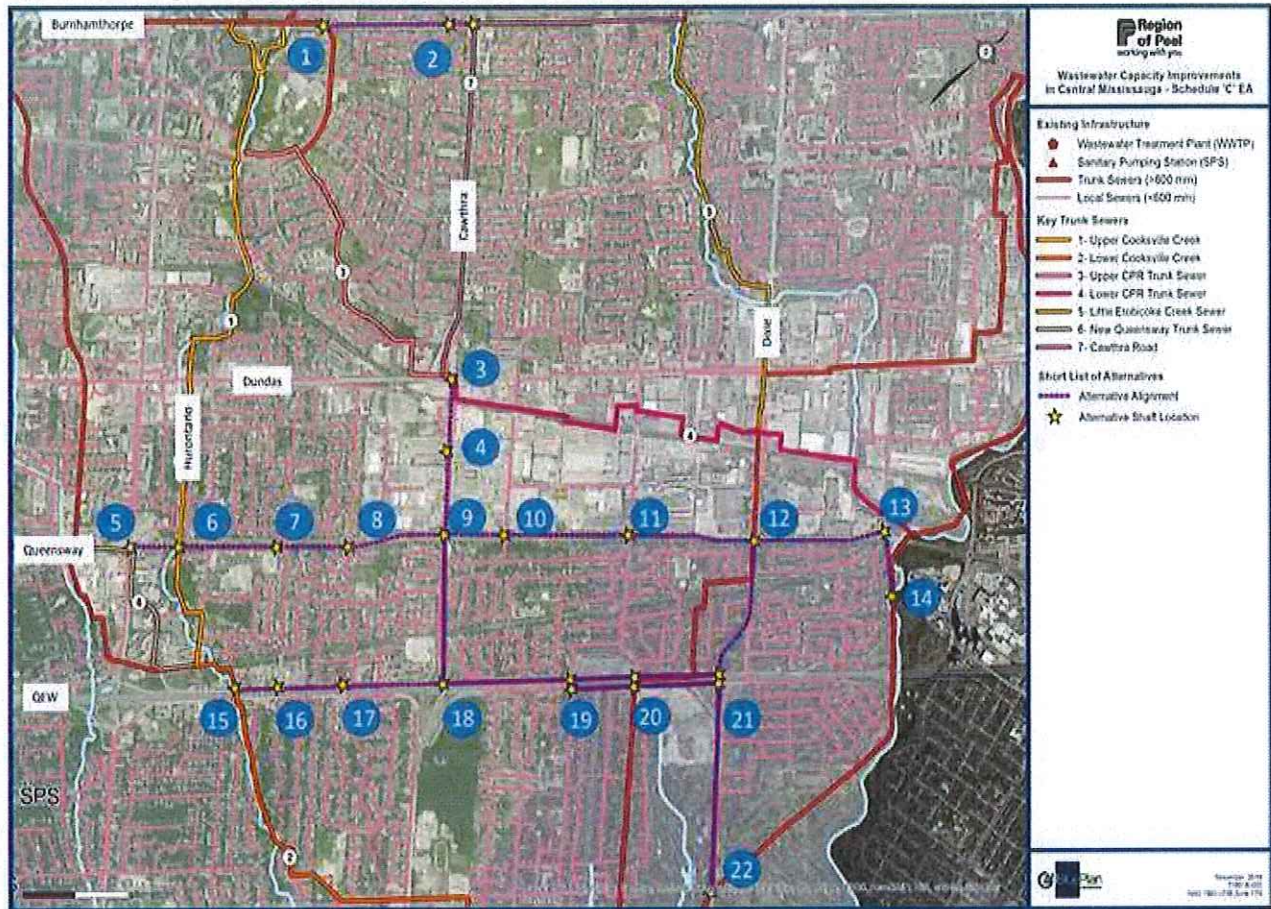
The ministry has reviewed the Wastewater Capacity Improvements in Central Mississauga – Schedule ‘C’ EA document - [https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA - Preliminary Short Listed Sites.pdf](https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf) that was submitted by GM BluePlan Engineering on December 04, 2019.

As per our discussion, please see the website that describes the QEW Improvement Works that the ministry is currently undertaking: <http://www.qewdixiedetaildesign.ca>. Contract 1 (2018-2001) as described in the website is under construction and the anticipated completion timeline is 2021. Contract 2 is anticipated to start in 2022 following the completion of Contract 1 and complete by 2024/2025 pending on environmental approval and funding.


Please also refer to the approved Transportation Environmental Study Report (TESR) from January 2016: <http://www.qewdixiedetaildesign.ca/study-background-overview/> and the roll plan that is shown at the Detail Design Public Information Centre (PIC): http://www.qewdixiedetaildesign.ca/wp-content/uploads/2018/01/QEW_PIC_RollPlan.pdf. The roll plan is a general plan for the interest members of the public and not to be considered as engineering drawing. The detail design is still in progress; therefore, this plan shall be used for reference only.

From our discussion, there are two main alternatives that the Region of Peel are considering: 5 to 14 or 15 to 22 (as indicated in the drawing below that is part of the document for review). The alignment and the shaft locations from Cawthra Road to the east (15 to 22) are in direct conflict with the proposed QEW Improvement Works for Contract 2. Therefore, the sanitary alignment and shaft locations as shown along the QEW are not acceptable to the ministry.

VIEW OF SHORT LIST OF ALTERNATIVES



Sincerely,



Wan Chi Ma, P.Eng.

Senior Project Engineer | Planning & Design
Highway Engineering
Ministry of Transportation
159 Sir William Hearst Avenue, 4th Floor
Toronto, ON M3M 0B7

Sandra Anastasio - GM BluePlan

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Sent: Monday, December 09, 2019 3:38 PM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Gan, Nicholas; Pugliese, Frank; Shen, Rey (MTO); Khan, Moin (MTO)
Subject: RE: Region of Peel Central Mississauga EA

Follow Up Flag: Follow up
Flag Status: Completed

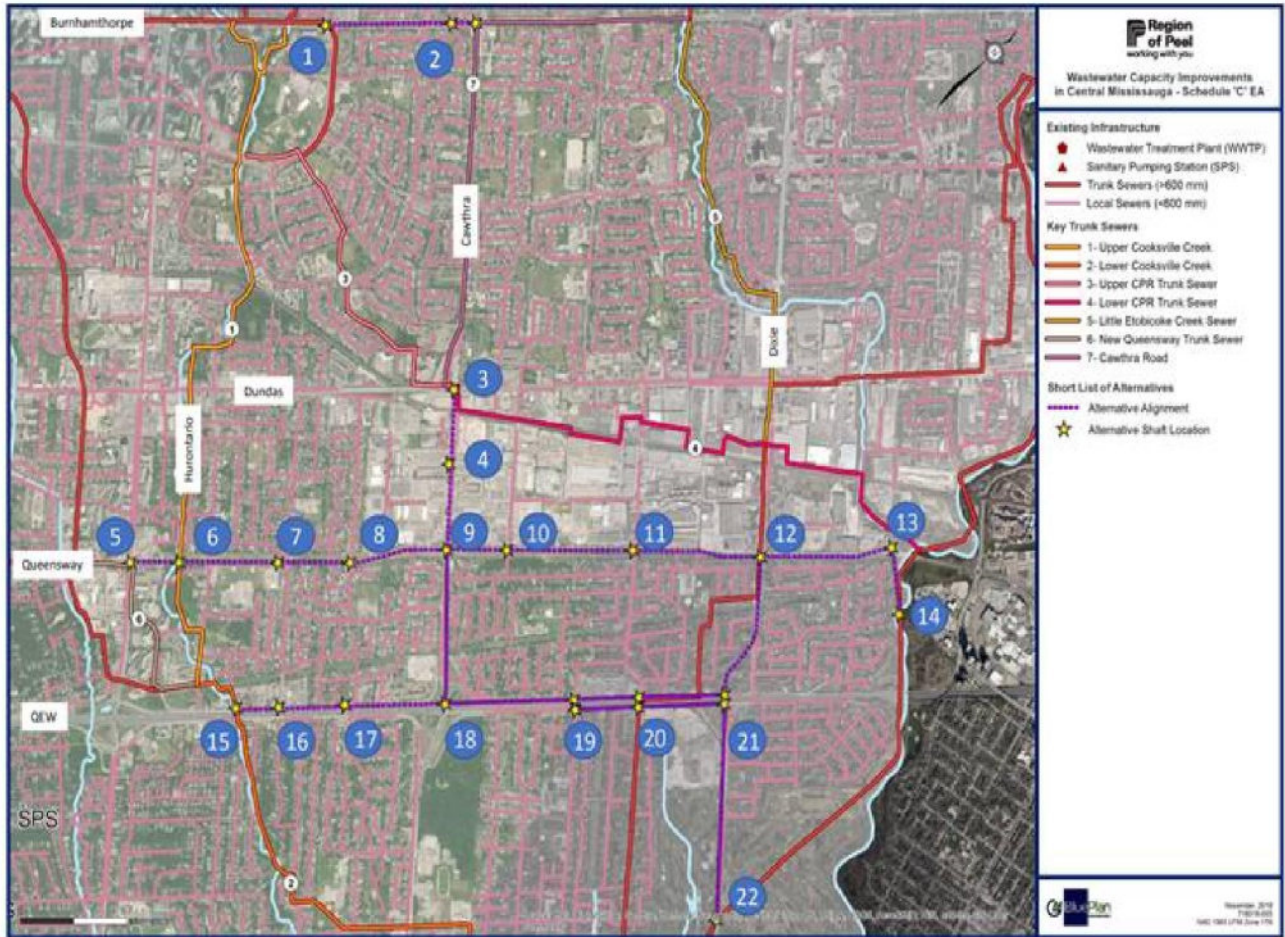
Hello Sandra,

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Contract 1 as described in the website is under construction (2018 to 2021) and Contract 2 is anticipated to start in 2022 and complete by 2024/2025 pending on environmental approval and funding.

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Sincerely,
Wan Chi Ma, P.Eng.
 Senior Project Engineer | Planning & Design
 Highway Engineering
 Ministry of Transportation
 159 Sir William Hearst Avenue, 4th Floor
 Toronto, ON M3M 0B7

☎ 416-235-4068
 ✉ wanchi.ma@ontario.ca

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: December 4, 2019 11:08 AM
To: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: Region of Peel Central Mississauga EA

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello Ms. Wan-Chi Ma,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA -
Preliminary Short Listed Sites.pdf](https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, March 06, 2020 8:26 AM
To: Lagakos, Ted (MTO)
Cc: Shen, Rey (MTO); Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan
Subject: RE: Region of Peel - Wastewater Capacity Improvements in Central Mississauga (Feb 27, 2020)

Hi Ted,

Good morning. Thank you for your interest in the Central Mississauga Wastewater Capacity Class EA. I can confirm that you have been added to our contact list and will receive all future Notices.

Thank you,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Lagakos, Ted (MTO) <Ted.Lagakos@ontario.ca>
Sent: March 4, 2020 2:45 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Cc: Shen, Rey (MTO) <Rey.Shen@ontario.ca>
Subject: Region of Peel - Wastewater Capacity Improvements in Central Mississauga (Feb 27, 2020)

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

Good afternoon Justin,

We recently received the subject public notice on “Wastewater Capacity Improvements in Central Mississauga”. We would initially like to be added to the mailing list so we can determine if any of the proposed improvements negatively impact our provincial highway corridors (e.g. QEW and Highway 403).

Do not hesitate to contact me if you have any questions.

Thank you,
Ted Lagakos
Senior Project Manager
Highway Corridor Management Section – Central Region

Ministry of Transportation
159 Sir William Hearst Avenue, 7th Floor
Toronto, ON M3M 0B7
Tel. (416) 235-3593

E-Mail: ted.lagakos@ontario.ca

Web: www.mto.gov.on.ca/english/engineering/management/corridor



Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Wednesday, June 09, 2021 12:06 AM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; Borowiec, Laura; Pitura, Andrea
Subject: FW: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

Follow Up Flag: FollowUp
Flag Status: Flagged

Hi Sandra,

FYI. MTO is planning to use the Queensway as a detour in 2022 to 2026 which has the same construction window as our Queensway work. As MTO has noted after my phone conversation with them, we're trying to minimize lane closures by proposing the shaft sites outside the road ROW and using tunneling as our construction method. I'll respond to Wan Chi's email tomorrow.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>
Sent: June 8, 2021 11:10 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Cc: Nieuwenhuysen, Bob <bob.nieuwenhuysen@peelregion.ca>; Costantino, Joe (MTO) <Joe.Costantino@ontario.ca>; McAdam, Pat (MTO) <Pat.McAdam@ontario.ca>
Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

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

Hello Justin,

As per our brief discussion this afternoon that this proposed sanitary alignment is anticipated for construction in 2023/2024 and, at this time, the Region is planning to minimize the traffic impact by setting up pits outside of the road's right of way if possible.

The reason that I am contacting you in regards to this proposed alignment is that MTO is currently working on the Detail Design of the QEW/Dixie Improvement Project and construction is anticipated to start in early 2022 with completion year of 2026. This stretch of the Queensway as shown for the proposed alignment is part of the detour route that we are proposing. Joe and Pat who have been cc. in this e-mail are part of the MTO's Construction Group and they will be the managing the construction of the MTO's contract, and Bob from the Region is our main contact to co-ordinate this work.

Please keep us in the loop on this matter. Whenever the Region is ready to construct this proposed sanitary improvement, please contact Joe or Pat for co-ordination if require.

If you would like to obtain more information about the Ministry's project, please feel free to visit our project website at <https://www.qewdixiedetaildesign.ca/> or contact me directly.

Sincerely,

Wan Chi Ma, P.Eng.

Senior Project Engineer | Project Delivery
Highway Engineering
Ministry of Transportation
159 Sir William Hearst Avenue, 4th Floor
Toronto, ON M3M 0B7
Work Cell No. (437) 776-8026
✉ wanchi.ma@ontario.ca

From: Ma, WanChi (MTO)

Sent: June 8, 2021 3:34 PM

To: Lee, Justin <Justin.Lee@peelregion.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Pamela Teddy - GM BluePlan <Pamela.Teddy@gmblueplan.ca>

Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

Hello Justin,

What is the anticipated construction time?

Sincerely,

Wan Chi Ma, P.Eng.

Senior Project Engineer | Project Delivery
Highway Engineering
Ministry of Transportation
159 Sir William Hearst Avenue, 4th Floor
Toronto, ON M3M 0B7
Work Cell No. (437) 776-8026
✉ wanchi.ma@ontario.ca

From: Lee, Justin <Justin.Lee@peelregion.ca>

Sent: June 8, 2021 3:29 PM

To: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan

<Sandra.Anastasio@gmblueplan.ca>; Pamela Teddy - GM BluePlan <Pamela.Teddy@gmblueplan.ca>

Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Wan Chi,

Thank you for the email and inquiry. The EA portion of this study is anticipated to be complete before the end of the year. The Region will then go through detailed design and construction shortly after. The tentative in-service date for these trunk sewers are in 2026 / 2027.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

Cell: (647) 280-5481

Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>

Sent: June 8, 2021 2:57 PM

To: Lee, Justin <Justin.Lee@peelregion.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Pamela Teddy - GM BluePlan <Pamela.Teddy@gmblueplan.ca>

Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

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

Hello Justin,

When is the Region planning for these improvements?

Sincerely,

Wan Chi Ma, P.Eng.

Senior Project Engineer | Project Delivery

Highway Engineering

Ministry of Transportation

159 Sir William Hearst Avenue, 4th Floor

Toronto, ON M3M 0B7

Work Cell No. (437) 776-8026

 wanchi.ma@ontario.ca

From: Pamela Teddy - GM BluePlan <Pamela.Teddy@gmblueplan.ca>

Sent: June 8, 2021 2:51 PM

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Subject: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello,

Attached is a Notice of Public Information Centre (PIC) #2 for the Region of Peel Wastewater Capacity Improvements in Central Mississauga Municipal Class Environmental Assessment (EA) (Schedule 'C').

If you have any questions about the study, please contact the study's project manager, Justin Lee (contact information is provided in the attached Notice).

Best Regards,

Pamela Teddy, BSc., PGER

Office Coordinator

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7201 | c: 416.768.3914

pamela.teddy@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

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Cc: Chris Campbell - GM BluePlan
Subject: FW: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sandra,

FYI, Frank Pugliese responded to MTO's email.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>
Sent: June 9, 2021 10:31 AM
To: Pugliese, Frank <frank.pugliese@peelregion.ca>
Cc: Costantino, Joe (MTO) <Joe.Costantino@ontario.ca>; McAdam, Pat (MTO) <Pat.McAdam@ontario.ca>; Pitura, Andrea <andrea.pitura@peelregion.ca>; Nieuwenhuysen, Bob <bob.nieuwenhuysen@peelregion.ca>; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

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

Hello Frank,

Thank you for this information.

Sincerely,

Wan Chi Ma, P.Eng.

Senior Project Engineer | Project Delivery

Highway Engineering

Ministry of Transportation

159 Sir William Hearst Avenue, 4th Floor

Toronto, ON M3M 0B7

Work Cell No. (437) 776-8026

✉ wanchi.ma@ontario.ca

From: Pugliese, Frank <frank.pugliese@peelregion.ca>

Sent: June 9, 2021 10:17 AM

To: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>

Cc: Costantino, Joe (MTO) <Joe.Costantino@ontario.ca>; McAdam, Pat (MTO) <Pat.McAdam@ontario.ca>; Pitura, Andrea <andrea.pitura@peelregion.ca>; Nieuwenhuysen, Bob <bob.nieuwenhuysen@peelregion.ca>; Lee, Justin <Justin.Lee@peelregion.ca>

Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

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Hello WanChi

In chatting with Peel's Capital Wastewater Collection & Conveyance group, they are planning a new 1800mm trunk sewer along Queensway from Hurontario to Little Etobicoke Creek.

Timelines:

- 1) EA – present time till 2022
- 2) Design – starts in 2023
- 3) Construction – could be 2025-2027

At this time, since the project is in the EA phase, exact timelines for construction are still approximate. In addition, the conceptual plan is to install the 1800mm via tunnel where all the shafts are located away from the travelled lanes (ie – no lanes closures on Queensway).

As the project progresses, Peel will inform MTO of any impacts that may affect that travelled lanes on Queensway as we are aware of the QEW Dixie C2 project.

If you have any additional inquiries regarding this project, please contact myself and I will coordinate with the respective group from Peel.

Thanks

Regards,

Frank Pugliese, P.ENG.

Manager, Contract Administration and Oversight

Public Works

Region of Peel

10 Peel Centre Drive, Suite B, 4th Floor

Brampton, ON L6T 4B9

Tel. 905-791-7800 x5943

Cell. 905-867-6437

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From: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>
Sent: June 8, 2021 11:10 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Cc: Nieuwenhuysen, Bob <bob.nieuwenhuysen@peelregion.ca>; Costantino, Joe (MTO) <Joe.Costantino@ontario.ca>; McAdam, Pat (MTO) <Pat.McAdam@ontario.ca>
Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

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

Hello Justin,

As per our brief discussion this afternoon that this proposed sanitary alignment is anticipated for construction in 2023/2024 and, at this time, the Region is planning to minimize the traffic impact by setting up pits outside of the road's right of way if possible.

The reason that I am contacting you in regards to this proposed alignment is that MTO is currently working on the Detail Design of the QEW/Dixie Improvement Project and construction is anticipated to start in early 2022 with completion year of 2026. This stretch of the Queensway as shown for the proposed alignment is part of the detour route that we are proposing. Joe and Pat who have been cc. in this e-mail are part of the MTO's Construction Group and they will be the managing the construction of the MTO's contract, and Bob from the Region is our main contact to co-ordinate this work.

Please keep us in the loop on this matter. Whenever the Region is ready to construct this proposed sanitary improvement, please contact Joe or Pat for co-ordination if require.

If you would like to obtain more information about the Ministry's project, please feel free to visit our project website at <https://www.qewdixiedetaildesign.ca/> or contact me directly.

Sincerely,

Wan Chi Ma, P.Eng.

Senior Project Engineer | Project Delivery

Highway Engineering

Ministry of Transportation

159 Sir William Hearst Avenue, 4th Floor

Toronto, ON M3M 0B7

Work Cell No. (437) 776-8026

✉ wanchi.ma@ontario.ca

From: Ma, WanChi (MTO)
Sent: June 8, 2021 3:34 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan

<Sandra.Anastasio@gmblueplan.ca>; Pamela Teddy - GM BluePlan <Pamela.Teddy@gmblueplan.ca>

Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

Hello Justin,

What is the anticipated construction time?

Sincerely,

Wan Chi Ma, P.Eng.

Senior Project Engineer | Project Delivery

Highway Engineering

Ministry of Transportation

159 Sir William Hearst Avenue, 4th Floor

Toronto, ON M3M 0B7

Work Cell No. (437) 776-8026

✉ wanchi.ma@ontario.ca

From: Lee, Justin <Justin.Lee@peelregion.ca>

Sent: June 8, 2021 3:29 PM

To: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Pamela Teddy - GM BluePlan <Pamela.Teddy@gmblueplan.ca>

Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

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Hi Wan Chi,

Thank you for the email and inquiry. The EA portion of this study is anticipated to be complete before the end of the year. The Region will then go through detailed design and construction shortly after. The tentative in-service date for these trunk sewers are in 2026 / 2027.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

Cell: (647) 280-5481

Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Ma, WanChi (MTO) <WanChi.Ma@ontario.ca>

Sent: June 8, 2021 2:57 PM

To: Lee, Justin <Justin.Lee@peelregion.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Pamela Teddy - GM BluePlan <Pamela.Teddy@gmblueplan.ca>
Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

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

Hello Justin,

When is the Region planning for these improvements?

Sincerely,

Wan Chi Ma, P.Eng.

Senior Project Engineer | Project Delivery

Highway Engineering

Ministry of Transportation

159 Sir William Hearst Avenue, 4th Floor

Toronto, ON M3M 0B7

Work Cell No. (437) 776-8026

✉ wanchi.ma@ontario.ca

From: Pamela Teddy - GM BluePlan <Pamela.Teddy@gmblueplan.ca>

Sent: June 8, 2021 2:51 PM

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Subject: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello,

Attached is a Notice of Public Information Centre (PIC) #2 for the Region of Peel Wastewater Capacity Improvements in Central Mississauga Municipal Class Environmental Assessment (EA) (Schedule 'C').

If you have any questions about the study, please contact the study's project manager, Justin Lee (contact information is provided in the attached Notice).

Best Regards,

Pamela Teddy, BSc., PGER

Office Coordinator

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7201 | c: 416.768.3914

pamela.teddy@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Kelly, Kevin (MTO) <Kevin.Kelly@ontario.ca>
Sent: Thursday, June 10, 2021 8:49 AM
To: Pamela Teddy - GM BluePlan; Justin.Lee@peelregion.ca; Sandra Anastasio - GM BluePlan
Cc: Lawrence, Morgan (MTO); Aurini, Shawn (MTO)
Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2
Attachments: 2021-06-22-NoticePIC2-Class EA Central Mississauga_Final.pdf

Hi,

Thank you for circulating the MTO with this “NOTICE OF PUBLIC INFORMATION CENTRE NO. 2 - Schedule ‘C’ Class Environmental Assessment” for Wastewater Capacity Improvements in Central Mississauga. It appears from the preferred alignment in the notice that this proposal will not impact any MTO highways.

However, kindly circulate the MTO with further updates as your project advances. Thank you.

From: Pamela Teddy - GM BluePlan <Pamela.Teddy@gmblueplan.ca>
Sent: June 8, 2021 2:51 PM
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello,

Attached is a Notice of Public Information Centre (PIC) #2 for the Region of Peel Wastewater Capacity Improvements in Central Mississauga Municipal Class Environmental Assessment (EA) (Schedule ‘C’).

If you have any questions about the study, please contact the study’s project manager, Justin Lee (contact information is provided in the attached Notice).

Best Regards,

Pamela Teddy, BSc., PGER
Office Coordinator

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7201 | c: 416.768.3914
pamela.teddy@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, February 04, 2022 2:44 PM
To: mthoms@scugogfirstnation.com; msanford@scugogfirstnation.com
Cc: Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion
Attachments: 2022-02 Notice of Completion_Final.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Mr. Thoms and Ms. Sanford,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. As a stakeholder identified within the study area, please see attached Notice of Completion. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

In the meantime, please note that myself and the project team are available to meet with you should you request it.

Sincerely,

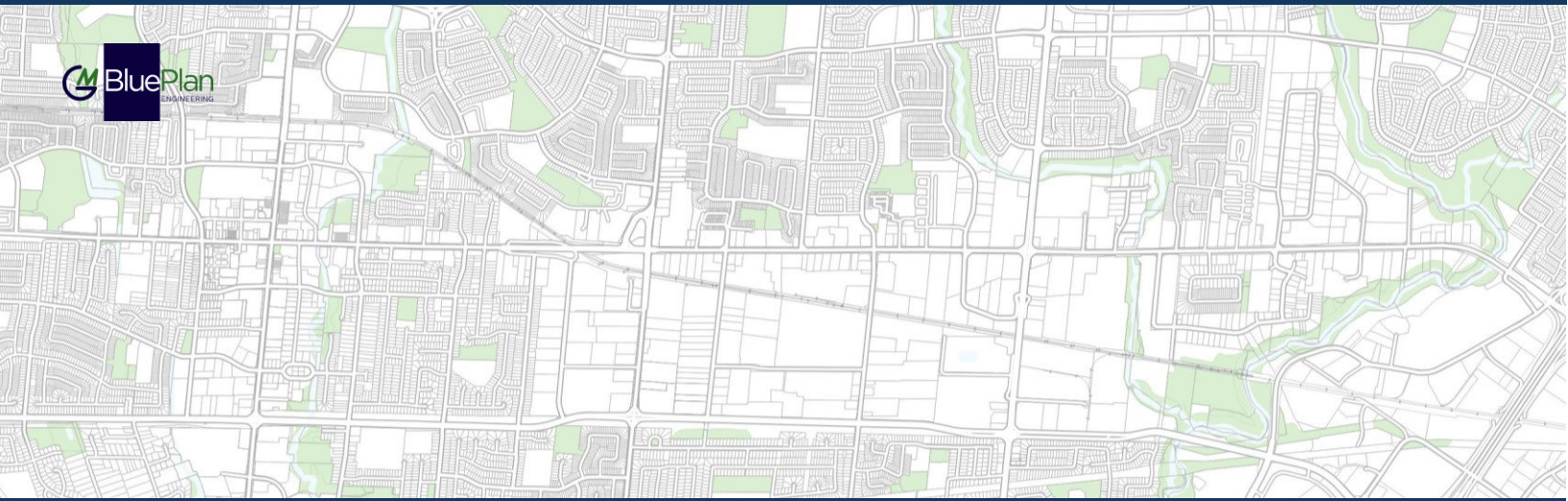
Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>



REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Indigenous Community Consultation

Mississaugas of the Credit First Nation

December 2, 2019

Chief R. Stacey LaForme
Mississaugas of the Credit First Nation
2789 Mississauga Road, RR#6
Hagersville, ON N0A 1H0

**RE: Wastewater Capacity Improvements in Central Mississauga
Schedule 'C' Class Environmental Assessment Study – Project Update**

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800

peelregion.ca

Dear Chief R. Stacey LaForme,

The Region of Peel is undertaking a Class Environmental Assessment (EA) study for Wastewater Capacity Improvements in Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system. The study area for this Class EA is shown below in Figure 1.

The Central Mississauga area will experience significant growth over the next 20+ years, specifically within the Mississauga City Centre, Hurontario and Dundas Corridor. We expect these areas to grow by over 40 percent by 2041. The current wastewater infrastructure does not have available capacity to service this increased growth and is the driver for why the Region is studying how to expand the capacity of the wastewater system in this area.

The Notice of Commencement was published on May 30, 2019, notifying the public and stakeholders of the study. The baseline studies have been completed, including hydrogeological, environmental, archaeological and cultural heritage. These draft technical studies are available and can be provided to you upon request. Technical studies, in conjunction with input received through the consultation process, are being utilized as part of the evaluation process and will ultimately form part of the final Environmental Study Report that will be filed for public review upon project completion.

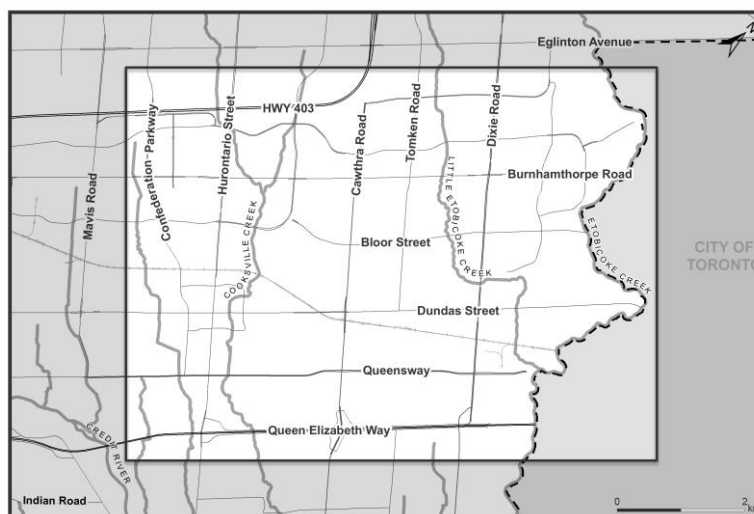


Fig. 1. Class EA Study Area



We anticipate the first Public Information Centre (PIC No. 1) to be completed in early Winter 2020 where we will present the preliminary preferred solution. The project team will then identify and evaluate alternative design concepts and select a preliminary preferred design concept for the preferred solution, which we anticipate will be presented at PIC No. 2 in early summer 2020.

You are currently in our study mailing list and will continue to receive notices for this study. If you would like to be removed from the mailing list, please contact the undersigned.

Should you have any questions or comments at any point during our study, please do not hesitate to contact the undersigned.

Sincerely,

Laura Borowiec, P.Eng.
Project Manager

Region of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON, L6T 4B9
905-791-7800 Ext. 7681
laura.borowiec@peelregion.ca

cc: Chris Campbell – Project Manager, GM BluePlan

For more information on the project visit the Region's website at:
<https://www.peelregion.ca/pw/water/enviro-assess/scheduled-c-class-environmental-assessment.htm>

The Region of Peel is committed to ensure that all Regional services, programs and facilities are inclusive and accessible for persons with disabilities. Please contact the Project Manager if you need any disability accommodations to provide comments or feedback for this study.

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800

peelregion.ca



Date: 2019/12/09

Dear Sir or Madam

Please find below the scanned delivery date and signature of the recipient of the item identified below:

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Signatory Name C BRANT

Signature

A stylized signature in black ink, appearing to be "C BRANT", is written over a large, semi-transparent watermark of the Canada Post logo. The watermark consists of the words "CANADA POST" and "POSTES CANADA" arranged around a central red stylized arrow.

Yours sincerely,

Customer Relationship Network

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(From outside Canada 1 416 979-3033)

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Sandra Anastasio - GM BluePlan

From: Councillor, Cathie Jamieson <CathieJ@mncfn.ca>
Sent: Wednesday, May 06, 2020 5:04 PM
To: Sandra Anastasio - GM BluePlan
Subject: Class EA Contact

Follow Up Flag: Follow up
Flag Status: Completed

Hello Sandra,

I was forwarded your e-mail from fellow council member Erma Ferrell, and as Environment Sustainability Councillor I can be the a contact point. During this time also a contact of notices of activity within the Treaty Lands and Territory can also be forwarded to the Department of Consultation and Accommodations.
Director Mark Laforme - Mark.laforme@mncfn.ca

Cathie Jamieson

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Friday, May 1, 2020 3:33 PM
To: Councillor, Erma Ferrell <ErmaF@mncfn.ca>
Subject: Class EA Contact

Hello Erma,

GM BluePlan is currently working on a number of Region of Peel Class Environmental Assessment studies where the Mississaugas of the Credit First Nation is a stakeholder and included in the contact list for study notifications. Due to COVID-19, we would like to move to email for future study Notices. Can you please let me know if you would be the main point of contact? If you are not the main point of contact, can you please provide the name and email of the person to be included in the study contact list?

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | [3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3](#)
t: [416.703.0667](tel:416.703.0667) ext. 7217 | c: [416.428.2836](tel:416.428.2836)
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sent from my iPhone

Sandra Anastasio - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Friday, October 01, 2021 9:50 AM
To: Sandra Anastasio - GM BluePlan
Cc: Kristen Farrell - GM BluePlan
Subject: FW: PIF Notification - Central Mississauga Central Wastewater System
Attachments: Fisher - Stage 2 Archaeological Assessment, Region of Peel Schedule 'C' Municipal Class EA for the Capacity Expansion of the Central Mississauga Wastewater System .pdf

I think this is for you Sandra!

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



From: Kristen Farrell - GM BluePlan <Kristen.Farrell@gmblueplan.ca>
Sent: Friday, October 01, 2021 9:48 AM
To: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Subject: FW: PIF Notification - Central Mississauga Central Wastewater System

hey – are you working on this project? I'm not sure why I was included on this as I don't think I've ever done anything on this one.

Kristen Farrell, EPt
Communications Coordinator

GM BluePlan Engineering Limited

1266 South Service Road, Unit C31 | Stony Creek, ON L8E 5R9
t: 905.643.6688 ext. 6243 | c: 289-442-2979
kristen.farrell@gmblueplan.ca | www.gmblueplan.ca



From: Megan DeVries <Megan.DeVries@mncfn.ca>
Sent: Friday, October 01, 2021 9:45 AM
To: Fisher, Rhiannon <Rhiannon_Fisher@golder.com>; Kristen Farrell - GM BluePlan <Kristen.Farrell@gmblueplan.ca>
Cc: Fawn Sault <Fawn.Sault@mncfn.ca>; Adrian Blake <Adrian.Blake@mncfn.ca>; Archaeology (MHSTCI) <archaeology@ontario.ca>
Subject: PIF Notification - Central Mississauga Central Wastewater System

Good morning,

Please see the attached letter from the Mississaugas of the Credit First Nation regarding your upcoming archaeological assessment.

Regards,
Megan.

Megan DeVries (she/her)
Archaeological Operations Supervisor



Department of Consultation and Accommodation (DOCA)

Mississaugas of the Credit First Nation (MCFN)

4065 Highway 6 North, Hagersville, ON N0A 1H0

Mobile: 289-527-2763

<http://www.mncfn.ca>

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September 29, 2021

To Whom It May Concern,

I am writing on behalf of the Department of Consultation and Accommodation [DOCA], requesting information on a project within the Mississaugas of the Credit First Nation's [MCFN] treaty territory.

MCFN are an Aboriginal people within the meaning of section 35 of the *Constitution Act, 1982*. We have signed numerous treaties with the Crown, reaffirming our rights as the original owners of the lands in our territory and establishing Treaty rights over the same. Furthermore, we have un-surrendered Aboriginal title to the waters, beds of water, and foreshore within our territory. Our constitutionally protected rights give rise to specific legal obligations and duties which supersede policies and guidelines.

We are an Indigenous community as understood by the United Nations and our rights include those referenced in the United Nations Declaration on the Rights of Indigenous Peoples ("UNDRIP"). Article 11 of UNDRIP states that Indigenous peoples have "the right to maintain, protect and develop the past, present and future manifestations of their cultures, such as archaeological and historical sites, artefacts..." In May, 2016, the Federal Government committed to adopting and implementing UNDRIP; therefore, the rights of Indigenous peoples outlined in it deserve renewed consideration and respect.

These lands have been the territory and home of MCFN and our ancestors for many generations. As such, there is significant potential for archaeological and other cultural resources of our people to be located during the archaeological fieldwork required for projects or development. Such resources are of critical importance to MCFN given the increasing urbanization and development of our territory that effectively whitewashes our past. Without our active participation and monitoring during archaeological fieldwork, our history stands to be lost forever. As the original stewards of these lands – and continuing owners of the waters – we have ongoing obligations to ensure the protection of our cultural and natural resources for future generations. This is our responsibility and our right.



DOCA has been notified that in a project information file was submitted to the Ministry of Heritage, Sport, Tourism, and Culture Industries for the following project:

PIF ID	115156
Project Name	Stage 2 Archaeological Assessment, Region of Peel Schedule 'C' Municipal Class EA for the Capacity Expansion of the Central Mississauga Wastewater System.
Proponent Identified	GM Blue Plan Engineering Limited
Stage of Assessment	Stage 2
Licensee Name and Number	Rhiannon Fisher (P468)

Please provide a summary of the history of this project and the current state of its associated environmental and archaeological fieldwork. If it is complete, please provide a summary of the preliminary results, followed by the draft report when available. If it is not yet complete, please provide the anticipated start date of fieldwork.

Please be aware that the development may have impacts on MCFN's treaty and aboriginal rights and MCFN has not been properly consulted on this project. Until a reasonable understanding has been reached between MCFN and the proponent regarding the project and our participation in it to ensure that the fieldwork is conducted in a respectful manner that protects our rights, we are of the opinion that any duty to consult over the project has not been met and all subsequent approvals relating to the project are subject to challenge on this basis.

Finally, we would like to take this opportunity to remind you that MCFN has its own *Standards and Guidelines for Archaeology*, which we expect that will be followed in our Territory. Additionally, DOCA requires that our Field Liaison Representatives participate in all environmental and archaeological fieldwork within the MCFN treaty territory, including Stages 2 through 4. **It is our expectation that no fieldwork will take place without the participation of our FLRs.** MCFN has an Aboriginal and Treaty Right to protect the environmental and our archaeological heritage and our FLRs are our boots on the ground to ensure our interests are protected. MCFN considers it disrespectful to our rights as Indigenous peoples if our natural and cultural heritage is interfered with without our involvement.

It is my hope that in light of the above considerations and with a renewed focus on reconciliation, we can navigate through these issues towards a relationship of respect, partnership, and mutual benefit. **Please provide the requested information by 4pm on October 13, 2021.**



Thank you.



Megan DeVries,
Archaeological Operations Supervisor

CC Mark LaForme, MCFN-DOCA (mark.laforme@mncfn.ca)
Ministry of Heritage, Sport, Tourism, and Culture Industries
(archaeology@ontario.ca)



DEPARTMENT OF CONSULTATION AND ACCOMMODATION

Mississaugas of the Credit First Nation
4065 Hwy #6, Hagersville, Ontario NOA 1H0



Phone: (905) 768-4260



October 13, 2021

Megan DeVries
Archaeological Operations Supervisor
Department of Consultation and Accommodation
Mississaugas of the Credit First Nation
4065 Hwy #6
Hagersville, ON N0A 1H0

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800

peelregion.ca

RE: Mississaugas of the Credit First Nation – Project Information Request for the Region of Peel Class EA for Wastewater Capacity Improvements in Central Mississauga

Dear Megan DeVries,

Thank you for your letter dated September 29, 2021. Your letter and this response will be catalogued with all other stakeholder engagement activities within the Environmental Study Report which will go through the formal public filing review period anticipated late 2021.

We acknowledge and understand the importance to contact the First Nations as part of the Indigenous consultation process and we will ensure to continue to contact the Mississaugas of the Credit First Nation with relevant updates through to the completion of this Class Environmental Assessment (EA) Study. Correspondence with the Mississaugas of the Credit First Nations as part of this Class EA study, to date, are listed below.

- May 30, 2019 – Notice of Commencement;
- December 2, 2019 – Project Update Letter including notification that Draft Technical Studies were available upon request;
- February 27, 2020 – Notice of Public Information Centre No. 1;
- March 10, 2020 – Public Information Centre No. 1;
- May 6, 2020 – Contact Confirmation (as a result of COVID-19);
- November 2020 – Stage 2 Archaeological Assessment Notification via the Ministry of Heritage, Sport, Tourism and Culture Industries;
- June 4, 2021 – Notice of Public Information Centre No. 2 / Project Update; and, notification that Draft Technical Studies were available upon request;
- June 22, 2021 – Public Information Centre No. 2.

As an update, the Class EA for the Wastewater Capacity Improvements in Central Mississauga is completing Phase 3 of the study process, which included site level investigations for the preferred solution.

Project Update

Through Phase 3 of the Class EA process, the Region has selected the preferred sewer route and shaft sites (Fig 1). The majority of the sewer alignments will be tunnelled underground, with surface disturbance mainly limited to shaft sites. Connections to local sewers and the Etobicoke Creek crossing will be open cut construction to accommodate the

shallow sewer connection points. Further shaft site details can be found in the attached Archaeological Reports.

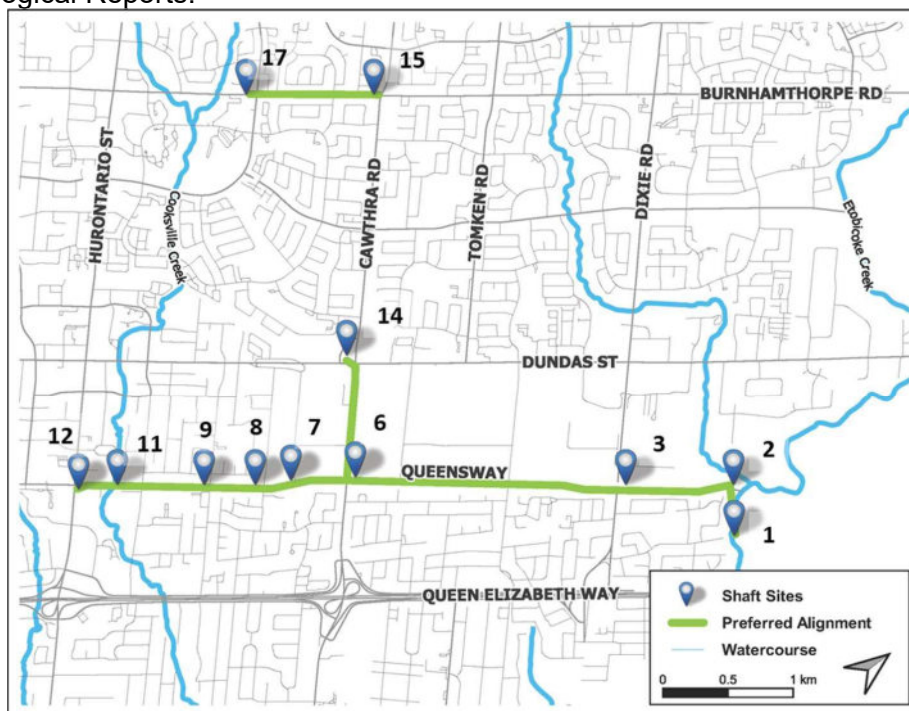


Fig. 1. Preferred Solution

We have completed a Stage 1 Archaeological Assessment for the Study Area and areas associated with the proposed infrastructure and the resulting required Stage 2 Archaeological Assessments. The Stage 2 Archaeological Assessment for Shaft 1 at Etobicoke Creek and Sherway Drive was completed by Toronto and Region Conservation Authority, with the remaining sites requiring a Stage 2 completed by Golder Associates in accordance with the *Ontario Heritage Act* and the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) (2011) Standards and Guidelines for Consultant Archaeologists. The findings provided the following recommendations:

- Preferred shaft locations 1, 2, 3, 7, 8, 9, 11, 12 and 17, are considered free of archaeological concern, and no further archaeological assessment is recommended.
- Preferred shaft location 14 was further inspected during the Stage 2 assessment and subsequently determined to have low to no archaeological potential. This location is of no further archaeological concern and no further assessment is recommended as per Section 1.3.2 and Section 1.4.1 Standard 1.f. of the MHSTCI (2011) *Standards and Guidelines for Consultant Archaeologists*.
- Preferred shaft locations 6 and 15 were previously subject to Stage 1 archaeological assessment by ASI and determined to have low to no archaeological potential on account of deep and extensive land disturbances and was determined to be of no further archaeological concern.

Given these conclusions, no further archaeological assessments are recommended. We have attached all completed reports. Golder Associates recently completed a Stage 2 Archaeological Assessment field work at Queensway East and Dixie Road (shaft site 3). The archaeological report for this location is currently being prepared and will be forwarded when

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available, however it was concluded that this area did not have any archaeological importance and does not require any additional investigations.

We have also completed all field work associated with natural environment investigations to support this Class EA Study. Further field investigations will be required to support detailed design and permitting and approvals following the completion of the Environmental Study Report. The Region will notify the Mississaugas of the Credit First Nation during the detailed design stage to enable participation in these investigations. We have attached a link to download all completed reports electronically via our email correspondence (hard copy of this letter will not have printed copies of the report). The Natural Environment Impact Assessment Report, focusing on the Cooksville Creek (Shaft 11) and Etobicoke Creek (Shaft 1) crossings, is currently being prepared and will be forwarded when available.

We will continue to consult with the Mississaugas of the Credit First Nation to provide project updates throughout the remaining course of the project. The Region and its archaeological consultant team are open to further conversations should you have any questions or require more information on this Class EA Study or supporting studies.

For additional project information, including Public Information Centre display boards and updates, please visit the project website at:

<https://www.peelregion.ca/pw/water/envIRON-assess/scheduled-c-class-environmental-assessment.asp>

Should you have any questions or comments at any point during our study, please do not hesitate to contact the undersigned.

Sincerely,

Justin Lee, P.Eng.
Project Manager
Region of Peel
10 Peel Centre Drive
Brampton, ON, L6T 4B9
647-280-5481
justin.lee@peelregion.ca

cc: Chris Campbell – GM BluePlan Engineering Ltd.
Sandra Anastasio - GM BluePlan Engineering Ltd.

The Region of Peel is committed to ensure that all Regional services, programs and facilities are inclusive and accessible for persons with disabilities. Please contact the Project Manager if you need any disability accommodations to provide comments or feedback for this study.

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Monday, November 29, 2021 11:40 AM
To: Adrian Blake
Cc: Borowiec, Laura; Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan
Subject: RE: Central Miss - MCFN Consultation

Hi Adrian,

Good morning and hopefully all is well.

Thank you for your review and email in regards to our Archaeological Assessments completed for our Central Mississauga WW capacity EA.

We will keep the MCFN informed of the status and if there are any changes for this project.

Best regards,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Adrian Blake <Adrian.Blake@mncfn.ca>
Sent: November 29, 2021 11:32 AM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Cc: Borowiec, Laura <laura.borowiec@peelregion.ca>; Sandra.Anastasio@gmblueplan.ca;
chris.campbell@gmblueplan.ca
Subject: RE: Central Miss - MCFN Consultation

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

Good morning,

I have completed review of the following reports associated with the Schedule 'C' Municipal Class EA for the Capacity Expansion of the Central Mississauga Wastewater System.

Toronto and Region Conservation Authority Stage 1-2 Archaeological Assessment: Region of Peel Central Mississauga Wastewater.

Golder Associates Stage 1 Archaeological Assessment Region of Peel Schedule 'C' Municipal Class EA for the Capacity Expansion of the Central Mississauga Wastewater System.

I do not have any questions, comments or concerns about these reports for you.
Thank you for sharing these reports and engaging with MCFN on this project.

Adrian Blake, MSc. (he/him)
Field Archaeologist



Department of Consultation and Accommodation (DOCA)
Mississaugas of the Credit First Nation (MCFN)

4065 Highway 6 North, Hagersville, ON NOA 1H0
M: 905-979-3862

<http://www.mncfn.ca>

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From: Megan DeVries
Sent: Tuesday, October 19, 2021 10:34 AM
To: Adrian Blake <Adrian.Blake@mncfn.ca>
Subject: FW: Central Miss - MCFN Consultation

Hi Adrian,

Here is another archaeological report for you.

Megan.

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Wednesday, October 13, 2021 2:15 PM
To: Megan DeVries <Megan.DeVries@mncfn.ca>
Cc: Councillor, Cathie Jamieson <CathieJ@mncfn.ca>; Mark LaForme <Mark.LaForme@mncfn.ca>; Adrian Blake <Adrian.Blake@mncfn.ca>; Fawn Sault <Fawn.Sault@mncfn.ca>; archaeology@ontario.ca; Borowiec, Laura <laura.borowiec@peelregion.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; rhiannon_fisher@golder.com
Subject: Central Miss - MCFN Consultation

Hi Ms. Megan DeVries,

Good afternoon and thank you for your email and letter in regards to the Central Mississauga Wastewater Capacity Environmental Assessment (EA).

I have attached the Region's formal response to your letter dated September 29, 2021. An email with a link to download the Cultural Heritage and Archaeological Assessments completed for the EA is also attached. We are currently finalizing one Archaeological Assessment for a preliminary preferred shaft site at Dixie Road and The Queensway. The finalized report will be forwarded to the Mississaugas of the Credit First Nation as soon as it's completed.

Should you have any questions or require clarification, please feel free to reach out to myself.

Best regards,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

Cell: (647) 280-5481

Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Monday, December 13, 2021 2:06 PM
To: Megan.DeVries@mncfn.ca
Cc: Adrian Blake; Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: Central Miss - MCFN Consultation - Updated Studies

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Ms. DeVries,

Good afternoon and hopefully all is well.

Further to our correspondence in regards to the Schedule 'C' Class EA for the Capacity Expansion of the Central Mississauga Wastewater System, the Region, along with our consultants GM BluePlan, are pleased to provide you with the updated Natural Environment (preferred solution) and the Stage 2 Archaeology Assessment at the Queensway and Dixie Intersection for your review. The link to download the reports are provided below.

https://sendafile.gmblueplan.ca/public_uploads/2021-12-13_154025_2021-12-13_Region_Supporting_Reports.zip

Should you have any questions or require clarification, please feel free to reach out to me. We will continue to keep the Mississaugas of the Credit First Nations (MCFN) informed of the status and if there are any changes for this project.

Best Regards,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, February 04, 2022 2:44 PM
To: cathiej@mncfn.ca; Mark.laforme@mncfn.ca; Megan.DeVries@mncfn.ca;
Fawn.Sault@mncfn.ca; Adrian Blake
Cc: Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion
Attachments: 2022-02 Notice of Completion_Final.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Councillor Jamieson, Mr. Laforme, Ms. DeVries, Ms. Sault, and Mr. Blake,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. As a stakeholder identified within the study area, please see attached Notice of Completion. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

In the meantime, please note that myself and the project team are available to meet with you should you request it.

Sincerely,

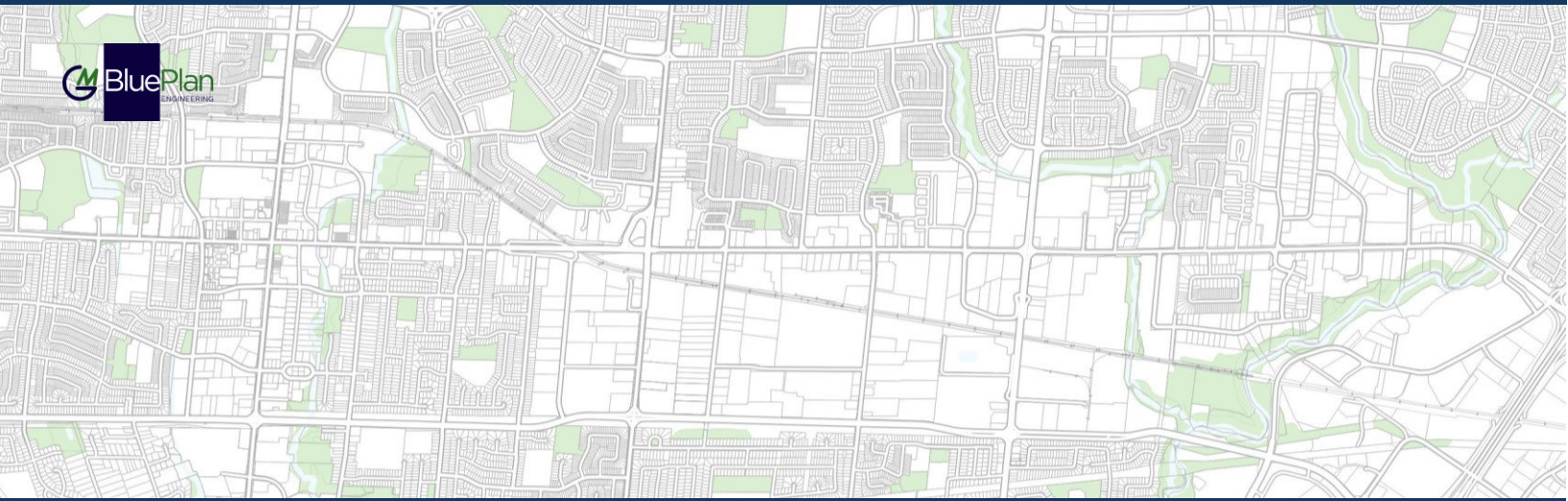
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REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Indigenous Community Consultation

Six Nations of the Grand River



December 2, 2019

Chief Ava Hill
Six Nations of the Grand River
1695 Chiefswood Road., P.O. Box 5000
Ohsweken, ON N0A 1M0

**RE: Wastewater Capacity Improvements in Central Mississauga
Schedule 'C' Class Environmental Assessment Study – Project Update**

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800
peelregion.ca

Dear Chief Ava Hill,

The Region of Peel is undertaking a Class Environmental Assessment (EA) study for Wastewater Capacity Improvements in Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system. The study area for this Class EA is shown below in Figure 1.

The Central Mississauga area will experience significant growth over the next 20+ years, specifically within the Mississauga City Centre, Hurontario and Dundas Corridor. We expect these areas to grow by over 40 percent by 2041. The current wastewater infrastructure does not have available capacity to service this increased growth and is the driver for why the Region is studying how to expand the capacity of the wastewater system in this area.

The Notice of Commencement was published on May 30, 2019, notifying the public and stakeholders of the study. The baseline studies have been completed, including hydrogeological, environmental, archaeological and cultural heritage. These draft technical studies are available and can be provided to you upon request. Technical studies, in conjunction with input received through the consultation process, are being utilized as part of the evaluation process and will ultimately form part of the final Environmental Study Report that will be filed for public review upon project completion.

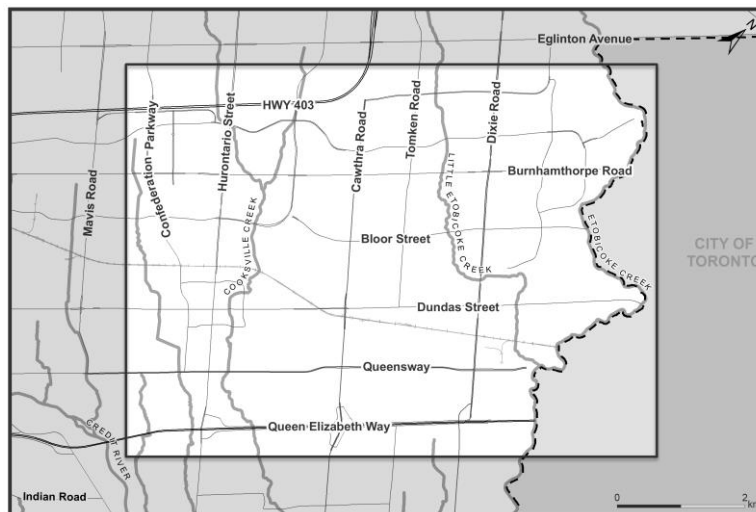


Fig. 1. Class EA Study Area

With the exception of personal information, all comments will become part of the public record of the study. The study is being conducted according to the requirements of the Municipal Class Environmental Assessment, which is a planning process approved under Ontario's *Environmental Assessment Act*.



We anticipate the first Public Information Centre (PIC No. 1) to be completed in early Winter 2020 where we will present the preliminary preferred solution. The project team will then identify and evaluate alternative design concepts and select a preliminary preferred design concept for the preferred solution, which we anticipate will be presented at PIC No. 2 in early summer 2020.

You are currently in our study mailing list and will continue to receive notices for this study. If you would like to be removed from the mailing list, please contact the undersigned.

Should you have any questions or comments at any point during our study, please do not hesitate to contact the undersigned.

Sincerely,

Laura Borowiec, P.Eng.
Project Manager

Region of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON, L6T 4B9
905-791-7800 Ext. 7681
laura.borowiec@peelregion.ca

cc: Chris Campbell – Project Manager, GM BluePlan

For more information on the project visit the Region's website at:
<https://www.peelregion.ca/pw/water/enviro-assess/scheduled-c-class-environmental-assessment.htm>

The Region of Peel is committed to ensure that all Regional services, programs and facilities are inclusive and accessible for persons with disabilities. Please contact the Project Manager if you need any disability accommodations to provide comments or feedback for this study.

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800

peelregion.ca



Date: 2019/12/09

Dear Sir or Madam

Please find below the scanned delivery date and signature of the recipient of the item identified below:

Item Number RN442836890CA

Product Name Lettermail

Reference Number 1 Not Applicable

Reference Number 2 Not Applicable

Delivery Date (yyyy/mm/dd) 2019-12-06

Signatory Name S WHI

Signature

A handwritten signature in black ink that reads "S WHI". The signature is written over a large, semi-transparent watermark of the Canada Post logo, which includes the words "CANADA POST" and "POSTES CANADA" in white capital letters on a light blue background.

Yours sincerely,

Customer Relationship Network

1-888-550-6333.

(From outside Canada 1 416 979-3033)

This copy confirms to the delivery date and signature of the individual who accepted and signed for the item in question. This information has been extracted from the Canadapost data warehouse

December 2, 2019

Ms. Arlene Maracle
 Community Liaison Coordinator
 Six Nations of the Grand River
 1695 Chiefswood Road., P.O. Box 5000
 Ohsweken, ON N0A 1M0

Public Works

10 Peel Centre Dr.
 Suite A
 Brampton, ON
 L6T 4B9
 tel: 905-791-7800
 peelregion.ca

**RE: Wastewater Capacity Improvements in Central Mississauga
 Schedule 'C' Class Environmental Assessment Study – Project Update**

Dear Ms. Arlene Maracle,

The Region of Peel is undertaking a Class Environmental Assessment (EA) study for Wastewater Capacity Improvements in Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system. The study area for this Class EA is shown below in Figure 1.

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The Notice of Commencement was published on May 30, 2019, notifying the public and stakeholders of the study. The baseline studies have been completed, including hydrogeological, environmental, archaeological and cultural heritage. These draft technical studies are available and can be provided to you upon request. Technical studies, in conjunction with input received through the consultation process, are being utilized as part of the evaluation process and will ultimately form part of the final Environmental Study Report that will be filed for public review upon project completion.

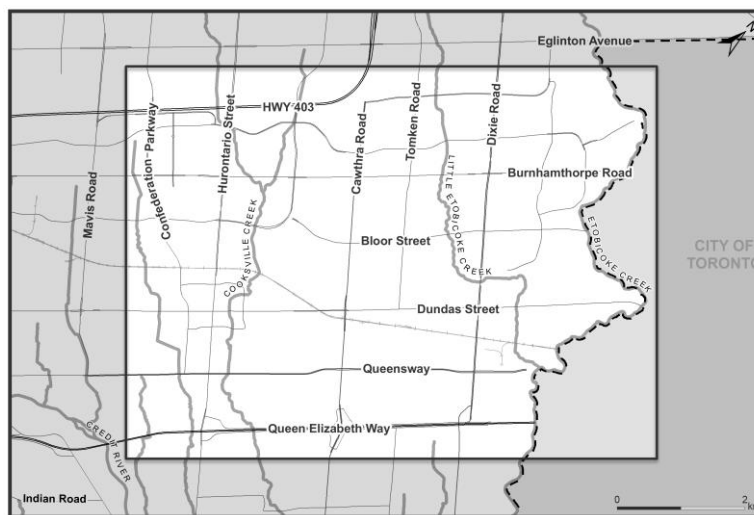


Fig. 1. Class EA Study Area

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Should you have any questions or comments at any point during our study, please do not hesitate to contact the undersigned.

Sincerely,

Laura Borowiec, P.Eng.
Project Manager

Region of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON, L6T 4B9
905-791-7800 Ext. 7681
laura.borowiec@peelregion.ca

cc: Chris Campbell – Project Manager, GM BluePlan

For more information on the project visit the Region's website at:
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Public Works

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Date: 2019/12/09

Dear Sir or Madam

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Product Name Lettermail

Reference Number 1 Not Applicable

Reference Number 2 Not Applicable

Delivery Date (yyyy/mm/dd) 2019-12-06

Signatory Name S WHI

Signature

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Yours sincerely,

Customer Relationship Network

1-888-550-6333.

(From outside Canada 1 416 979-3033)

This copy confirms to the delivery date and signature of the individual who accepted and signed for the item in question. This information has been extracted from the Canadapost data warehouse

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, June 04, 2021 1:51 PM
To: markhill@sixnations.ca
Cc: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan; Borowiec, Laura
Subject: Central Mississauga Wastewater Environmental Assessment - Project Update
Attachments: 210604 Central Miss EA_Project Update Letter_Six Nations Grand River.pdf

Good afternoon Chief Hill,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The Public Information Centre No. 1 was held last year on March 10th, 2020. As a stakeholder identified within the study area, please see attached briefing note to keep you informed and updated on the current status of the project.

We have continued to progress through Phase 3 of the Class EA Study. Stakeholder meetings with the City of Mississauga, City of Toronto, Toronto and Region Conservation Authority, Credit Valley Conservation, and Hydro One have been held to discuss the feasibility and obtain guidance as well as support the preliminary preferred design concept before Public Information Centre No. 2. We have selected a preliminary preferred route for the wastewater trunk sewer, shaft sites and construction methodology. The Public Information Centre No. 2 materials will be posted on the Region's project website [here](#) on June 22nd, 2021. There will be a two-week period following the Public Information Centre No. 2 date closing on July 6, 2021. A formal response from the project team to all questions, comments and feedback will be posted on July 20, 2021. We anticipate to finalize and file this Class EA by Fall of 2021.

In the meantime, please note that myself and the project team are available to meet with you should you request it at any point during our study.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, February 04, 2022 2:44 PM
To: markhill@sixnations.ca
Cc: Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion
Attachments: 2022-02 Notice of Completion_Final.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Chief Hill,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. As a stakeholder identified within the study area, please see attached Notice of Completion. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

In the meantime, please note that myself and the project team are available to meet with you should you request it.

Sincerely,

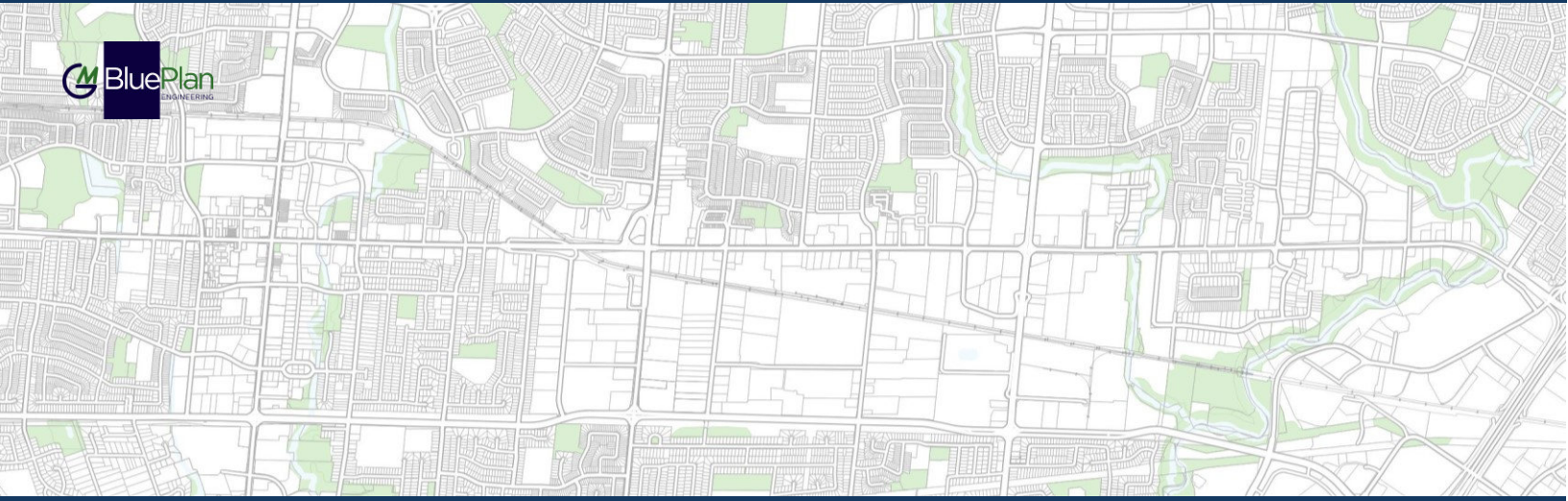
Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
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REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Indigenous Community Consultation

Huron-Wendat Nation

December 2, 2019

Chief Konrad H. Sioui
Nation Huronne-Wendat
255 Place Chef Michel Laveau
Wendake, QC G0A 4V0

**RE: Wastewater Capacity Improvements in Central Mississauga
Schedule 'C' Class Environmental Assessment Study – Project Update**

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800
peelregion.ca

Dear Chief Konrad H. Sioui,

The Region of Peel is undertaking a Class Environmental Assessment (EA) study for Wastewater Capacity Improvements in Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system. The study area for this Class EA is shown below in Figure 1.

The Central Mississauga area will experience significant growth over the next 20+ years, specifically within the Mississauga City Centre, Hurontario and Dundas Corridor. We expect these areas to grow by over 40 percent by 2041. The current wastewater infrastructure does not have available capacity to service this increased growth and is the driver for why the Region is studying how to expand the capacity of the wastewater system in this area.

The Notice of Commencement was published on May 30, 2019, notifying the public and stakeholders of the study. The baseline studies have been completed, including hydrogeological, environmental, archaeological and cultural heritage. These draft technical studies are available and can be provided to you upon request. Technical studies, in conjunction with input received through the consultation process, are being utilized as part of the evaluation process and will ultimately form part of the final Environmental Study Report that will be filed for public review upon project completion.

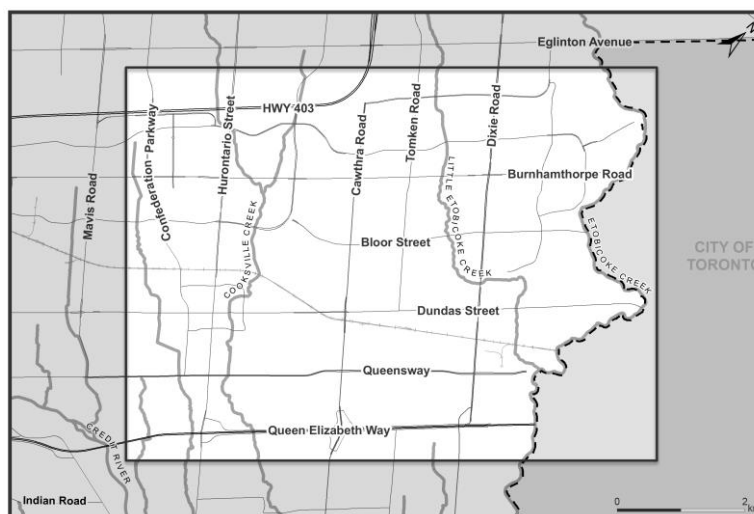


Fig. 1. Class EA Study Area



We anticipate the first Public Information Centre (PIC No. 1) to be completed in early Winter 2020 where we will present the preliminary preferred solution. The project team will then identify and evaluate alternative design concepts and select a preliminary preferred design concept for the preferred solution, which we anticipate will be presented at PIC No. 2 in early summer 2020.

You are currently in our study mailing list and will continue to receive notices for this study. If you would like to be removed from the mailing list, please contact the undersigned.

Should you have any questions or comments at any point during our study, please do not hesitate to contact the undersigned.

Sincerely,

Laura Borowiec, P.Eng.
Project Manager

Region of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON, L6T 4B9
905-791-7800 Ext. 7681
laura.borowiec@peelregion.ca

cc: Chris Campbell – Project Manager, GM BluePlan

For more information on the project visit the Region's website at:
<https://www.peelregion.ca/pw/water/environ-assess/scheduled-c-class-environmental-assessment.htm>

The Region of Peel is committed to ensure that all Regional services, programs and facilities are inclusive and accessible for persons with disabilities. Please contact the Project Manager if you need any disability accommodations to provide comments or feedback for this study.

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800

peelregion.ca



Date: 2019/12/16

Dear Sir or Madam

Please find below the scanned delivery date and signature of the recipient of the item identified below:

Item Number RN442836974CA

Product Name Lettermail

Reference Number 1 Not Applicable

Reference Number 2 Not Applicable

Delivery Date (yyyy/mm/dd) 2019-12-12

Signatory Name TAWENDA SIOUI

Signature



Yours sincerely,

Customer Relationship Network

1-888-550-6333.

(From outside Canada 1 416 979-3033)

This copy confirms to the delivery date and signature of the individual who accepted and signed for the item in question. This information has been extracted from the Canadapost data warehouse

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 18, 2019 3:56 PM
To: Catherine Dupont
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: RE: Schedule 'C' Class Environmental Assessment _ Wastewater Capacity Improvements in Central Mississauga

Hello Catherine,

Thank you for your interest in this project. As requested, please find in the link below a copy of the draft Stage 1 Archaeological Assessment for the Wastewater Capacity Improvements for Central Mississauga EA.
[https://sendafile.gmblueplan.ca/uploads/12-18-19_155316_P468-0037-2019_RE_Draft_19August2019_\(1\).pdf](https://sendafile.gmblueplan.ca/uploads/12-18-19_155316_P468-0037-2019_RE_Draft_19August2019_(1).pdf)

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Catherine Dupont <catherine.dupont@cnhw.qc.ca>
Sent: December 18, 2019 3:01 PM
To: Borowiec, Laura <laura.borowiec@peelregion.ca>
Subject: Schedule 'C' Class Environmental Assessment _ Wastewater Capacity Improvements in Central Mississauga

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

Good afternoon,

Would it be possible to obtain a copy of the archaeological assessment conducted as part of the EA study for the above mentioned project?

Thank you

Regards,



NATION HURONNE-WENDAT
Bureau du Nionwentsïo

Catherine Dupont

Archéologue - Projets Ontario

255, Place Chef Michel-Laveau

Wendake (Qc) G0A 4V0

Téléphone : 418-843-3767

Courriel : catherine.dupont@cnhw.qc.ca



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Sandra Anastasio - GM BluePlan

From: Tina Durand <tina.durand@cnhw.qc.ca>
Sent: Monday, May 04, 2020 9:10 AM
To: Sandra Anastasio - GM BluePlan
Cc: Maxime Picard
Subject: TR: Class EA Contact

Follow Up Flag: Follow up
Flag Status: Completed

Good morning,

You may send all email to my attention and to Mr. Maxime Picard who is in charge of our Ontario file.

Thank you!

Tina Durand
Secrétaire exécutive du Conseil et du Grand Chef
Conseil de la Nation huronne-wendat
255, Place Chef Michel Laveau
Wendake (Québec) GoA 4Vo
418-843-3767 #2102

De : Sandra Anastasio - GM BluePlan [mailto:Sandra.Anastasio@gmblueplan.ca]
Envoyé : 1 mai 2020 15:39
À : administration@cnhw.qc.ca
Objet : Class EA Contact

Hello,

GM BluePlan is currently working on a number of Region of Peel Class Environmental Assessment studies where the the Huron-Wendat Nation is a stakeholder and included in the contact list for study notifications. Due to COVID-19, we would like to move to email for future study Notices. Can you please provide the name and email of the person to be included in the study contact list?

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, June 04, 2021 1:51 PM
To: maxime.picard@cnhw.qc.ca; Louis.Lesage@wendake.ca
Cc: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan; Borowiec, Laura
Subject: Central Mississauga Wastewater Environmental Assessment - Project Update
Attachments: 210604 Central Miss EA_Project Update Letter_Nation Huronne-Wendat.pdf

Good afternoon Mr. Lesage and Mr. Picard,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The Public Information Centre No. 1 was held last year on March 10th, 2020. As a stakeholder identified within the study area, please see attached briefing note to keep you informed and updated on the current status of the project.

We have continued to progress through Phase 3 of the Class EA Study. Stakeholder meetings with the City of Mississauga, City of Toronto, Toronto and Region Conservation Authority, Credit Valley Conservation, and Hydro One have been held to discuss the feasibility and obtain guidance as well as support the preliminary preferred design concept before Public Information Centre No. 2. We have selected a preliminary preferred route for the wastewater trunk sewer, shaft sites and construction methodology. The Public Information Centre No. 2 materials will be posted on the Region's project website [here](#) on June 22nd, 2021. There will be a two-week period following the Public Information Centre No. 2 date closing on July 6, 2021. A formal response from the project team to all questions, comments and feedback will be posted on July 20, 2021. We anticipate to finalize and file this Class EA by Fall of 2021

In the meantime, please note that myself and the project team are available to meet with you should you request it at any point during our study.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Wednesday, June 09, 2021 9:13 AM
To: Lori-Jeanne Bolduc
Cc: Mario Gros Louis; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: RE: Central Mississauga Wastewater Environmental Assessment - Project Update

Hi Ms. Bolduc,

Good morning and thank you for your email. The Stage 1 and Stage 2 Archaeological Assessments for the project completed by Golder Associates Ltd. as well as the Stage 2 Archaeological Assessment completed by the Toronto and Region Conservation Authority (TRCA) at the Etobicoke Creek can be downloaded in the link below. Based on the findings and recommendations of the reports, no further studies are required.

This link will be available for the next 21 days: https://sendafile.gmblueplan.ca/public_uploads/2021-06-09_115504_Central_Miss_EA_-_Stage_1_&_2_Archaeological_Assessments.zip

If you have any other questions or concerns, please feel free to contact me.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Lori-Jeanne Bolduc <Lori-Jeanne.Bolduc@wendake.ca>
Sent: June 8, 2021 2:39 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Cc: Mario Gros Louis <Mario.GrosLouis@wendake.ca>
Subject: TR: Central Mississauga Wastewater Environmental Assessment - Project Update

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

Hi Justin,

Thank you for your email. Could you please provide the archaeological reports for this project? Will it be necessary to undertake stage 3 archaeology?

Best regards,

Lori-Jeanne

ATTENTION: Please note that Maxime Picard has a new position at the Huron-Wendat Nation Council and is no longer in charge of Ontario consultations. Any new consultation from Ontario must be sent to Mario Gros-Louis (mario.gros-louis@wendake.ca) and Lori-Jeanne Bolduc (lori-jeanne.bolduc@wendake.ca).

For inquiries relating specifically to archaeology (fieldwork planning, monitoring, reports review, etc.), please contact Valérie Janssen, archaeologist (valerie.janssen@wendake.ca), Jean-François Richard (jean-francois.richard@wendake.ca) and Isabelle Lechasseur (isabelle.lechasseur@wendake.ca).



NATION HURONNE-WENDAT
Bureau du Nionwentsïo

Lori-Jeanne Bolduc, M. ATDR
Conseillère en aménagement du territoire

255, Place Chef Michel-Laveau
Wendake (Qc) G0A 4V0
Téléphone : 418-843-3767 # 2211
Courriel : lori-jeanne.bolduc@wendake.ca

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De : Lee, Justin <Justin.Lee@peelregion.ca>

Envoyé : 4 juin 2021 13:51

À : Maxime Picard <Maxime.Picard@wendake.ca>; Louis Lesage <Louis.Lesage@wendake.ca>

Cc : Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>

Objet : Central Mississauga Wastewater Environmental Assessment - Project Update

Good afternoon Mr. Lesage and Mr. Picard,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The Public Information Centre No. 1 was held last year on March 10th, 2020. As a stakeholder identified within the study area, please see attached briefing note to keep you informed and updated on the current status of the project.

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have been held to discuss the feasibility and obtain guidance as well as support the preliminary preferred design concept before Public Information Centre No. 2. We have selected a preliminary preferred route for the wastewater trunk sewer, shaft sites and construction methodology. The Public Information Centre No. 2 materials will be posted on the Region's project website [here](#) on June 22nd, 2021. There will be a two-week period following the Public Information Centre No. 2 date closing on July 6, 2021. A formal response from the project team to all questions, comments and feedback will be posted on July 20, 2021. We anticipate to finalize and file this Class EA by Fall of 2021

In the meantime, please note that myself and the project team are available to meet with you should you request it at any point during our study.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, February 04, 2022 2:44 PM
To: Lori-Jeanne Bolduc; Mario Gros Louis
Cc: Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion
Attachments: 2022-02 Notice of Completion_Final.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Ms. Bolduc and Mr. Gros-Louis

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. As a stakeholder identified within the study area, please see attached Notice of Completion. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

In the meantime, please note that myself and the project team are available to meet with you should you request it.

Sincerely,

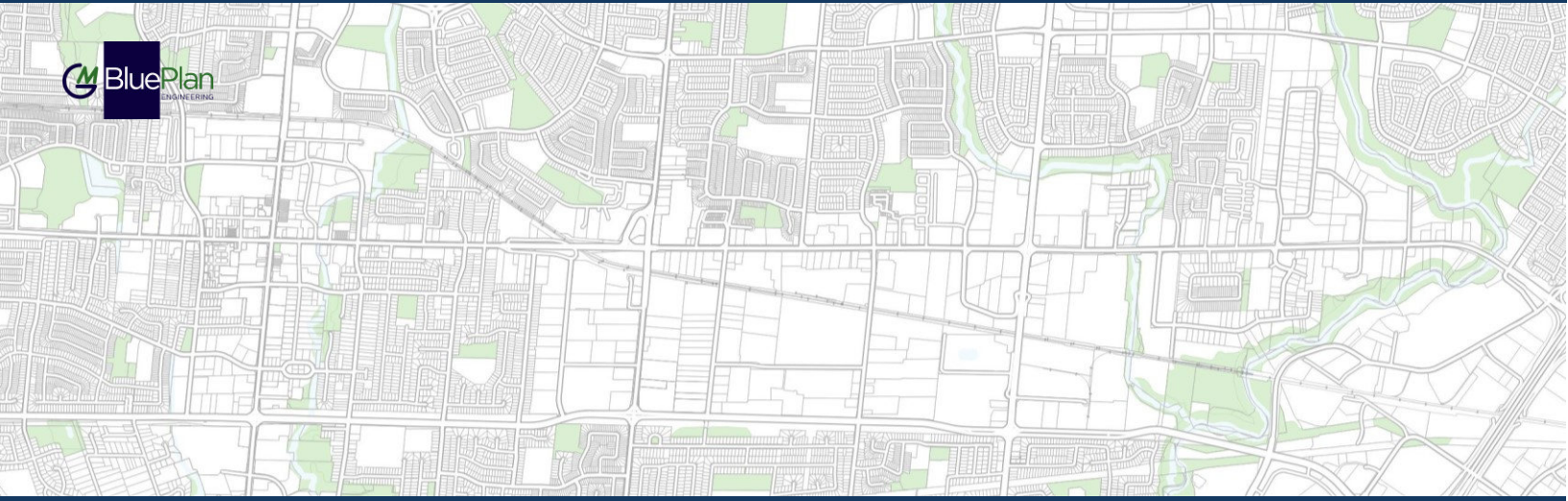
Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>



REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Indigenous Community Consultation

Curve Lake First Nation

December 2, 2019

Chief Phyllis Williams
Curve Lake First Nation
22 Winookeedaa Road
Curve Lake, ON K0L 1R0

**RE: Wastewater Capacity Improvements in Central Mississauga
Schedule 'C' Class Environmental Assessment Study – Project Update**

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800
peelregion.ca

Dear Chief Phyllis Williams,

The Region of Peel is undertaking a Class Environmental Assessment (EA) study for Wastewater Capacity Improvements in Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system. The study area for this Class EA is shown below in Figure 1.

The Central Mississauga area will experience significant growth over the next 20+ years, specifically within the Mississauga City Centre, Hurontario and Dundas Corridor. We expect these areas to grow by over 40 percent by 2041. The current wastewater infrastructure does not have available capacity to service this increased growth and is the driver for why the Region is studying how to expand the capacity of the wastewater system in this area.

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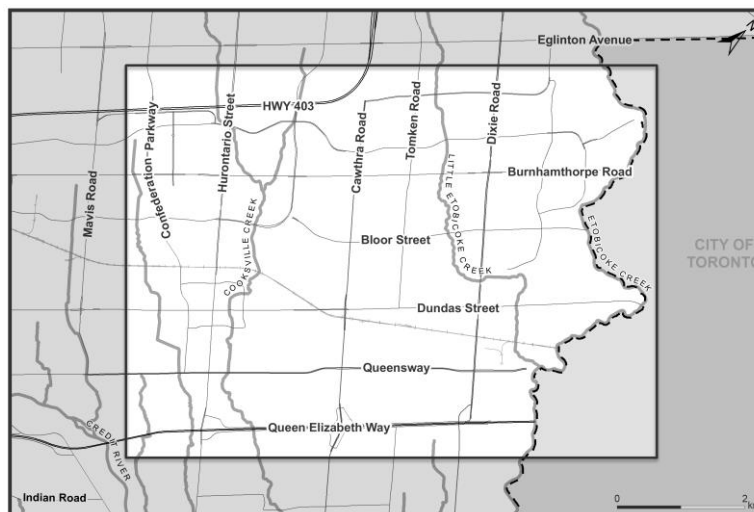


Fig. 1. Class EA Study Area



We anticipate the first Public Information Centre (PIC No. 1) to be completed in early Winter 2020 where we will present the preliminary preferred solution. The project team will then identify and evaluate alternative design concepts and select a preliminary preferred design concept for the preferred solution, which we anticipate will be presented at PIC No. 2 in early summer 2020.

You are currently in our study mailing list and will continue to receive notices for this study. If you would like to be removed from the mailing list, please contact the undersigned.

Should you have any questions or comments at any point during our study, please do not hesitate to contact the undersigned.

Sincerely,

Laura Borowiec, P.Eng.
Project Manager

Region of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON, L6T 4B9
905-791-7800 Ext. 7681
laura.borowiec@peelregion.ca

cc: Chris Campbell – Project Manager, GM BluePlan

For more information on the project visit the Region's website at:
<https://www.peelregion.ca/pw/water/environ-assess/scheduled-c-class-environmental-assessment.htm>

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Public Works

10 Peel Centre Dr.
Suite A
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L6T 4B9
tel: 905-791-7800

peelregion.ca



Date: 2019/12/09

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Reference Number 1 Not Applicable

Reference Number 2 Not Applicable

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Signatory Name chief phyllis williams

Signature

A handwritten signature in black ink, appearing to read "Phyllis Williams", is written over a semi-transparent Canada Post logo. The logo consists of the words "CANADA" and "POSTES" in white on a light blue background, with a red stylized arrow pointing right in the center.

Yours sincerely,

Customer Relationship Network

1-888-550-6333.

(From outside Canada 1 416 979-3033)

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Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Wednesday, June 09, 2021 11:52 PM
To: Julie Kapyrka; Kaitlin Hill
Cc: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan; Borowiec, Laura
Subject: RE: Central Mississauga Wastewater Environmental Assessment - Project Update

Follow Up Flag: FollowUp
Flag Status: Flagged

Hi Dr. Kapyrka,

Thank you for the information. The Mississaugas of the Credit First Nation have been included in our contact list and have received the study information.

Our understanding is that the study area for the Central Mississauga Wastewater EA is outside of the Curve Lake First Nation Treaty territory. Would you like us to remove the Curve Lake First Nation from the contact list for this study?

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Julie Kapyrka <JulieK@curvelake.ca>
Sent: June 9, 2021 4:19 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>; Kaitlin Hill <KaitlinH@curvelake.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>
Subject: RE: Central Mississauga Wastewater Environmental Assessment - Project Update

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Aaniin Justin,

Please be advised that this project lies outside of our Treaty territory.

Engagement/Consultation should be initiated with the Mississaugas of the Credit First Nation – as this project is their Treaty territory.

Miigwech,



Dr. Julie Kapyrka
Lands Resource Consultation Liaison
Curve Lake First Nation
Government Services Building
22 Winookeedaa St. Curve Lake, ON K0L 1R0
P. 705.657.8045 ext 239 F. 705.657.8708
W. www.curvelakefirstnation.ca
E. JulieK@curvelake.ca

From: Lee, Justin <Justin.Lee@peelregion.ca>

Sent: Friday, June 4, 2021 1:51 PM

To: Julie Kapyrka <JulieK@curvelake.ca>; Kaitlin Hill <KaitlinH@curvelake.ca>

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>

Subject: Central Mississauga Wastewater Environmental Assessment - Project Update

Good afternoon Ms. Kapyrka and Ms. Hill,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The Public Information Centre No. 1 was held last year on March 10th, 2020. As a stakeholder identified within the study area, please see attached briefing note to keep you informed and updated on the current status of the project.

We have continued to progress through Phase 3 of the Class EA Study. Stakeholder meetings with the City of Mississauga, City of Toronto, Toronto and Region Conservation Authority, Credit Valley Conservation, and Hydro One have been held to discuss the feasibility and obtain guidance as well as support the preliminary preferred design concept before Public Information Centre No. 2. We have selected a preliminary preferred route for the wastewater trunk sewer, shaft sites and construction methodology. The Public Information Centre No. 2 materials will be posted on the Region's project website [here](#) on June 22nd, 2021. There will be a two-week period following the Public Information Centre No. 2 date closing on July 6, 2021. A formal response from the project team to all questions, comments and feedback will be posted on July 20, 2021. We anticipate to finalize and file this Class EA by Fall of 2021

In the meantime, please note that myself and the project team are available to meet with you should you request it at any point during our study.

Sincerely,

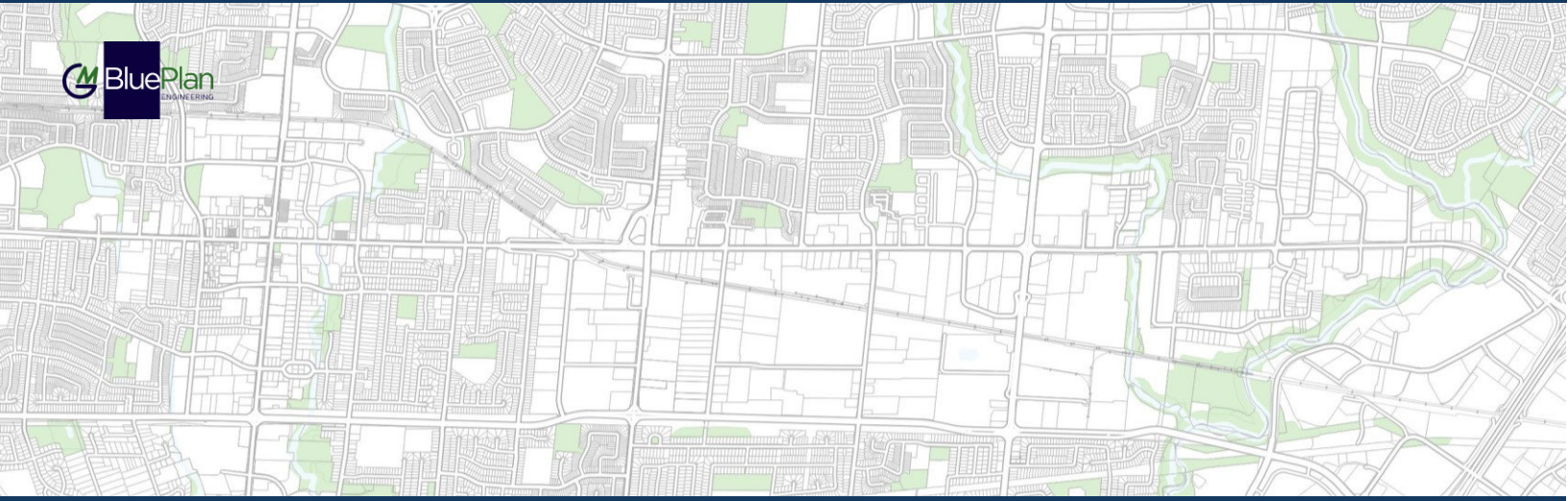
Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
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Cell: (647) 280-5481
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>



REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Indigenous Community Consultation

Alderville First Nation

December 2, 2019

Chief James Marsden
Alderville First Nation
11696 Second Line Rd
Roseneath, ON K0K 2X0

**RE: Wastewater Capacity Improvements in Central Mississauga
Schedule 'C' Class Environmental Assessment Study – Project Update**

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800
peelregion.ca

Dear Chief James Marsden,

The Region of Peel is undertaking a Class Environmental Assessment (EA) study for Wastewater Capacity Improvements in Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system. The study area for this Class EA is shown below in Figure 1.

The Central Mississauga area will experience significant growth over the next 20+ years, specifically within the Mississauga City Centre, Hurontario and Dundas Corridor. We expect these areas to grow by over 40 percent by 2041. The current wastewater infrastructure does not have available capacity to service this increased growth and is the driver for why the Region is studying how to expand the capacity of the wastewater system in this area.

The Notice of Commencement was published on May 30, 2019, notifying the public and stakeholders of the study. The baseline studies have been completed, including hydrogeological, environmental, archaeological and cultural heritage. These draft technical studies are available and can be provided to you upon request. Technical studies, in conjunction with input received through the consultation process, are being utilized as part of the evaluation process and will ultimately form part of the final Environmental Study Report that will be filed for public review upon project completion.

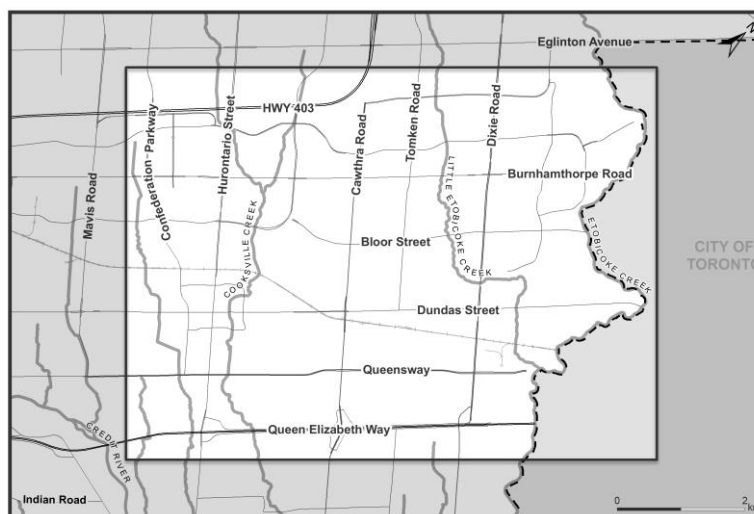


Fig. 1. Class EA Study Area



We anticipate the first Public Information Centre (PIC No. 1) to be completed in early Winter 2020 where we will present the preliminary preferred solution. The project team will then identify and evaluate alternative design concepts and select a preliminary preferred design concept for the preferred solution, which we anticipate will be presented at PIC No. 2 in early summer 2020.

You are currently in our study mailing list and will continue to receive notices for this study. If you would like to be removed from the mailing list please contact the undersigned.

Should you have any questions or comments at any point during our study, please do not hesitate to contact the undersigned.

Sincerely,

Laura Borowiec, P.Eng.
Project Manager

Region of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON, L6T 4B9
905-791-7800 Ext. 7681
laura.borowiec@peelregion.ca

cc: Chris Campbell – Project Manager, GM BluePlan

For more information on the project visit the Region's website at:
<https://www.peelregion.ca/pw/water/enviro-assess/scheduled-c-class-environmental-assessment.htm>

The Region of Peel is committed to ensure that all Regional services, programs and facilities are inclusive and accessible for persons with disabilities. Please contact the Project Manager if you need any disability accommodations to provide comments or feedback for this study.

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800

peelregion.ca



Date: 2019/12/16

Dear Sir or Madam

Please find below the scanned delivery date and signature of the recipient of the item identified below:

Item Number RN442836957CA

Product Name Lettermail

Reference Number 1 Not Applicable

Reference Number 2 Not Applicable

Delivery Date (yyyy/mm/dd) 2019-12-10

Signatory Name ALDERVILLE FIRST NATION

Signature



Yours sincerely,

Customer Relationship Network

1-888-550-6333.

(From outside Canada 1 416 979-3033)

This copy confirms to the delivery date and signature of the individual who accepted and signed for the item in question. This information has been extracted from the Canadapost data warehouse

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Monday, June 07, 2021 10:55 AM
To: Dave Simpson
Cc: Sandra Anastasio - GM BluePlan
Subject: RE: Central Mississauga Wastewater Environmental Assessment - Project Update

Follow Up Flag: FollowUp
Flag Status: Flagged

Hi Mr. Simpson,

Thank you for the information. The Mississaugas of the Credit First Nation have been included in our contact list and have received the study information.

Our understanding is that the study area for the Central Mississauga Wastewater EA is outside of the Alderville First Nation area. Would you like us to remove Alderville First Nation from the contact list for this study?

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Dave Simpson <consultation@alderville.ca>
Sent: June 7, 2021 9:46 AM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Cc: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: Central Mississauga Wastewater Environmental Assessment - Project Update

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

Thanks for the email Justin, but I want to inform you that the area of Mississauga is in the territory of the Mississauga's of New Credit. So please connect with them, Thanks

Dave Simpson
Alderville First Nation
consultation@alderville.ca
905 375-5480

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: June 7, 2021 8:57 AM
To: Dave Simpson <consultation@alderville.ca>
Cc: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: Central Mississauga Wastewater Environmental Assessment - Project Update

Hi Mr. Simpson,

Good morning and thank you for your confirmation. We will update our contact list accordingly. We look forward to any comments or questions you may have on our Central Mississauga Wastewater EA.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Dave Simpson <consultation@alderville.ca>
Sent: June 7, 2021 8:48 AM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: Re: Central Mississauga Wastewater Environmental Assessment - Project Update

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

The proper email address is
Consultation@alderville.ca
Thanks
Dave Simpson

Get [Outlook for iOS](#)

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Monday, June 7, 2021 8:43:42 AM
To: Dave Simpson <consultation@alderville.ca>
Subject: RE: Central Mississauga Wastewater Environmental Assessment - Project Update

Hi,

I received a bounce back email when sending to Mr. Dave Simpson. After reviewing the Alderville website, I came across the consultation@alderville.ca contact address. Please see the email below and the attached letter in regards to the Central Mississauga Wastewater EA the Region of Peel is currently undertaking.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Lee, Justin
Sent: June 4, 2021 1:51 PM
To: dmowat@alderville.ca; dsimpson@alderville.ca
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>
Subject: Central Mississauga Wastewater Environmental Assessment - Project Update

Good afternoon Chief Mowat and Mr. Simpson,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The Public Information Centre No. 1 was held last year on March 10th, 2020. As a stakeholder identified within the study area, please see attached briefing note to keep you informed and updated on the current status of the project.

We have continued to progress through Phase 3 of the Class EA Study. Stakeholder meetings with the City of Mississauga, City of Toronto, Toronto and Region Conservation Authority, Credit Valley Conservation, and Hydro One have been held to discuss the feasibility and obtain guidance as well as support the preliminary preferred design concept before Public Information Centre No. 2. We have selected a preliminary preferred route for the wastewater trunk sewer, shaft sites and construction methodology. The Public Information Centre No. 2 materials will be posted on the Region's project website [here](#) on June 22nd, 2021. There will be a two-week period following the Public Information Centre No. 2

date closing on July 6, 2021. A formal response from the project team to all questions, comments and feedback will be posted on July 20, 2021. We anticipate to finalize and file this Class EA by Fall of 2021

In the meantime, please note that myself and the project team are available to meet with you should you request it at any point during our study.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

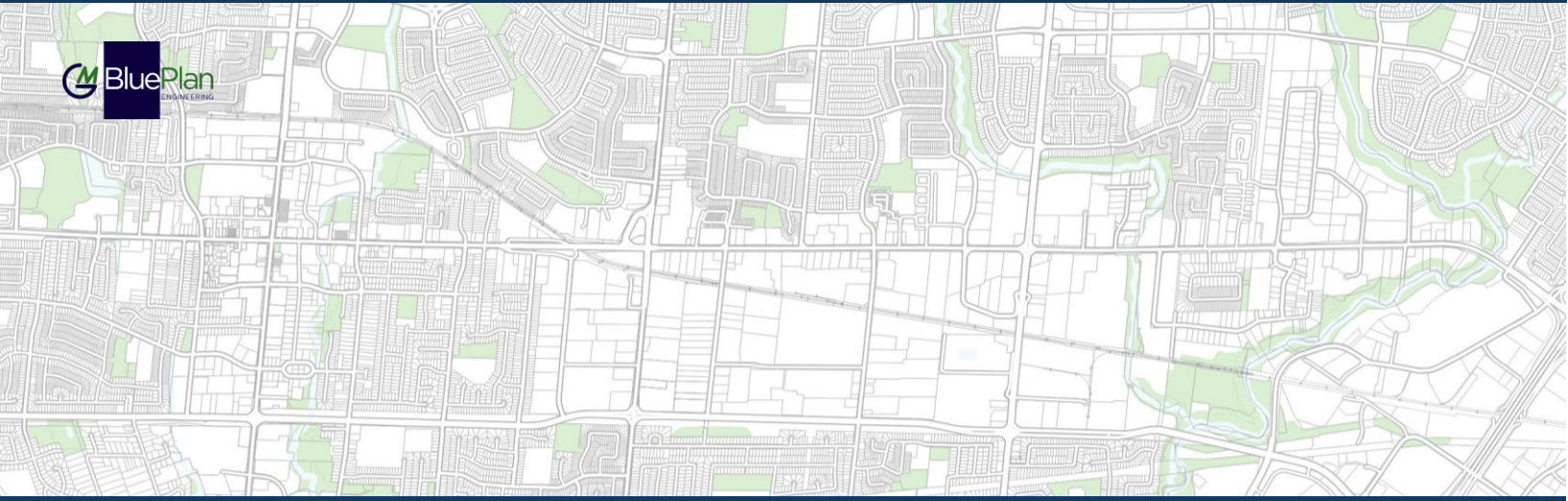
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REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Indigenous Community Consultation

Mississaugas of Scugog Island First Nation

December 2, 2019

Chief Kelly LaRocca
Mississaugas of Scugog Island First Nation
22602 Island Road
Port Perry, ON L9L 1B6

**RE: Wastewater Capacity Improvements in Central Mississauga
Schedule 'C' Class Environmental Assessment Study – Project Update**

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800
peelregion.ca

Dear Chief Kelly LaRocca,

The Region of Peel is undertaking a Class Environmental Assessment (EA) study for Wastewater Capacity Improvements in Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system. The study area for this Class EA is shown below in Figure 1.

The Central Mississauga area will experience significant growth over the next 20+ years, specifically within the Mississauga City Centre, Hurontario and Dundas Corridor. We expect these areas to grow by over 40 percent by 2041. The current wastewater infrastructure does not have available capacity to service this increased growth and is the driver for why the Region is studying how to expand the capacity of the wastewater system in this area.

The Notice of Commencement was published on May 30, 2019, notifying the public and stakeholders of the study. The baseline studies have been completed, including hydrogeological, environmental, archaeological and cultural heritage. These draft technical studies are available and can be provided to you upon request. Technical studies, in conjunction with input received through the consultation process, are being utilized as part of the evaluation process and will ultimately form part of the final Environmental Study Report that will be filed for public review upon project completion.

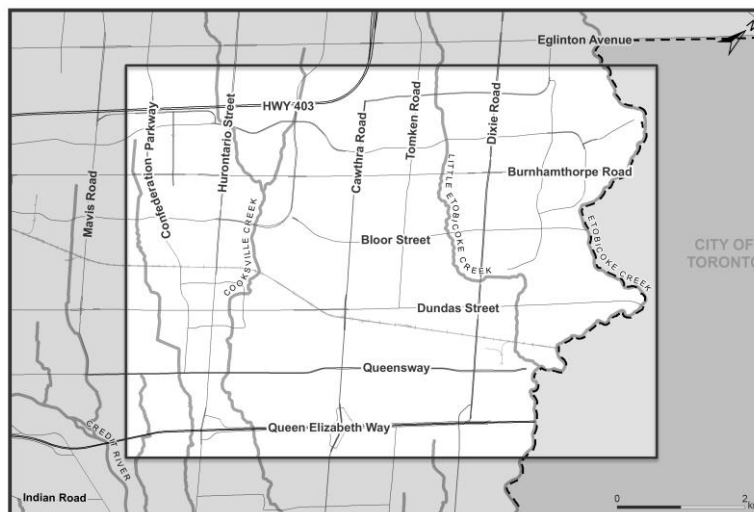


Fig. 1. Class EA Study Area



We anticipate the first Public Information Centre (PIC No. 1) to be completed in early Winter 2020 where we will present the preliminary preferred solution. The project team will then identify and evaluate alternative design concepts and select a preliminary preferred design concept for the preferred solution, which we anticipate will be presented at PIC No. 2 in early summer 2020.

You are currently in our study mailing list and will continue to receive notices for this study. If you would like to be removed from the mailing list please contact the undersigned.

Should you have any questions or comments at any point during our study, please do not hesitate to contact the undersigned.

Sincerely,

Laura Borowiec, P.Eng.
Project Manager

Region of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON, L6T 4B9
905-791-7800 Ext. 7681
laura.borowiec@peelregion.ca

cc: Chris Campbell – Project Manager, GM BluePlan

For more information on the project visit the Region's website at:
<https://www.peelregion.ca/pw/water/enviro-assess/scheduled-c-class-environmental-assessment.htm>

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Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800

peelregion.ca



Date: 2019/12/09

Dear Sir or Madam

Please find below the scanned delivery date and signature of the recipient of the item identified below:

Item Number RN442836930CA

Product Name Lettermail

Reference Number 1 Not Applicable

Reference Number 2 Not Applicable

Delivery Date (yyyy/mm/dd) 2019-12-06

Signatory Name JAMIE KOZLINSKY

Signature

A black ink handwritten signature, "JAMIE KOZLINSKY", is written over a semi-transparent Canada Post logo. The logo consists of the words "CANADA POSTES" and "POST CANADA" in white on a light blue background, with a red stylized arrow pointing right in the center.

Yours sincerely,

Customer Relationship Network

1-888-550-6333.

(From outside Canada 1 416 979-3033)

This copy confirms to the delivery date and signature of the individual who accepted and signed for the item in question. This information has been extracted from the Canadapost data warehouse

Sandra Anastasio - GM BluePlan

From: Monica Sanford <msanford@scugogfirstnation.com>
Sent: Friday, July 17, 2020 11:16 AM
To: Sandra Anastasio - GM BluePlan
Subject: Class EA Contact

Good Morning Sandra,

Your email (copied below) was sent to our Receptionist and she had forwarded it to me some time ago. In response to updating your contact list; could you kindly remove Jamie Kozlinsky from your list and add myself and Michael Thoms to your contact list. My email address is msanford@scugogfirstnation.com and our new consultation specialist Michael, email address is mthoms@scugogfirstnation.com

Thanks and I hope you have a wonderful weekend.

*“From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: May 1, 2020 2:42 PM
To: Jamie Kozlinsky <jkozlinsky@scugogfirstnation.com>
Subject: Class EA Contact*

Hello,

GM BluePlan is currently working on a number of Region of Peel Class Environmental Assessment studies where the Mississaugas of Scugog Island First Nation is a stakeholder and included in the contact list for study notifications. Due to COVID-19, we would like to move to email for future study Notices. Can you please provide the name and email of the person to be included in the study contact list?

*Thank you,
Sandra”*

In Spirit of Kindness,

Monica Sanford

Consultation, Lands & Membership Admin Assistant/IRA
Mississaugas of Scugog Island First Nation
22521 Island Road
Port Perry, ON
L9L 1B6
Phone: (905) 985-3337 ext. 229
Fax: (365) 800-1247
Email: msanford@scugogfirstnation.com

Mississaugas of Scugog Island First Nation Notice & Disclaimer

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Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, June 04, 2021 1:51 PM
To: mthoms@scugogfirstnation.com; msanford@scugogfirstnation.com
Cc: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan; Borowiec, Laura
Subject: Central Mississauga Wastewater Environmental Assessment - Project Update
Attachments: 210604 Central Miss EA_Project Update Letter_Mississaugas of Scugog.pdf

Good afternoon Mr. Thoms and Ms. Sanford,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The Public Information Centre No. 1 was held last year on March 10th, 2020. As a stakeholder identified within the study area, please see attached briefing note to keep you informed and updated on the current status of the project.

We have continued to progress through Phase 3 of the Class EA Study. Stakeholder meetings with the City of Mississauga, City of Toronto, Toronto and Region Conservation Authority, Credit Valley Conservation, and Hydro One have been held to discuss the feasibility and obtain guidance as well as support the preliminary preferred design concept before Public Information Centre No. 2. We have selected a preliminary preferred route for the wastewater trunk sewer, shaft sites and construction methodology. The Public Information Centre No. 2 materials will be posted on the Region's project website [here](#) on June 22nd, 2021. There will be a two-week period following the Public Information Centre No. 2 date closing on July 6, 2021. A formal response from the project team to all questions, comments and feedback will be posted on July 20, 2021. We anticipate to finalize and file this Class EA by Fall of 2021.

In the meantime, please note that myself and the project team are available to meet with you should you request it at any point during our study.

Sincerely,

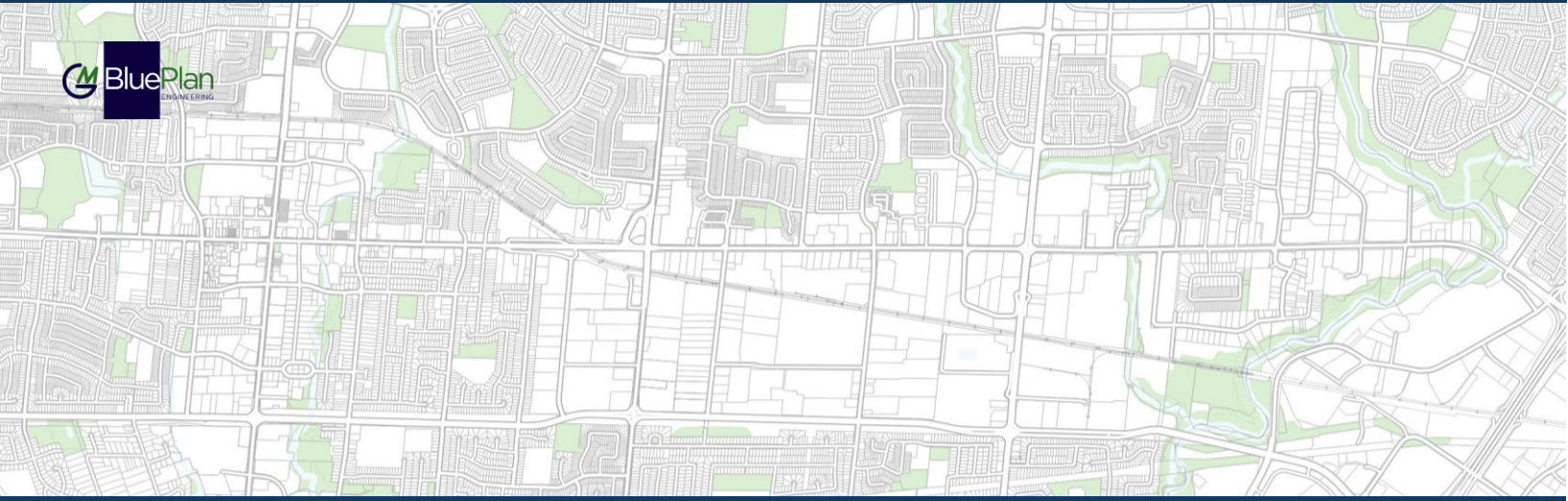
Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>



REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Indigenous Community Consultation

Metis Nation of Ontario

December 2, 2019

Metis Nation of Ontario
66 Slater Street, Suite 1100
Ottawa, ON K1P 5H1

**RE: Wastewater Capacity Improvements in Central Mississauga
Schedule 'C' Class Environmental Assessment Study – Project Update**

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800

peelregion.ca

Dear Sir/Madam,

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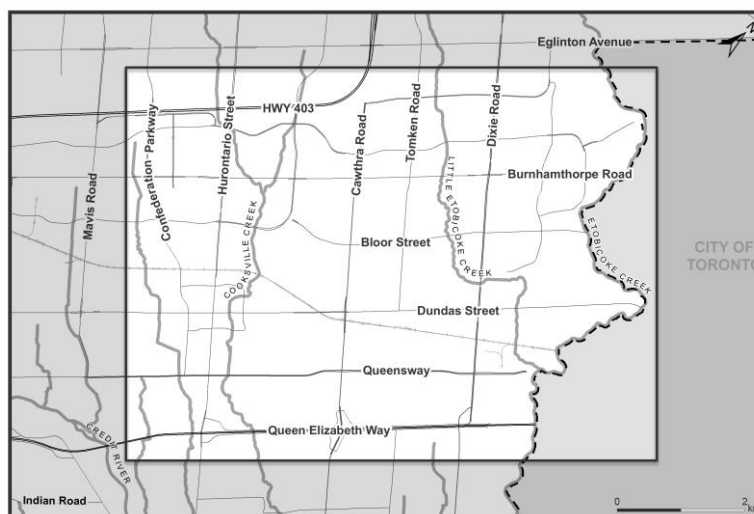


Fig. 1. Class EA Study Area



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Should you have any questions or comments at any point during our study, please do not hesitate to contact the undersigned.

Sincerely,

Laura Borowiec, P.Eng.
Project Manager

Region of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON, L6T 4B9
905-791-7800 Ext. 7681
laura.borowiec@peelregion.ca

cc: Chris Campbell – Project Manager, GM BluePlan

For more information on the project visit the Region's website at:
<https://www.peelregion.ca/pw/water/enviro-assess/scheduled-c-class-environmental-assessment.htm>

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Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800

peelregion.ca



Date: 2019/12/16

Dear Sir or Madam

Please find below the scanned delivery date and signature of the recipient of the item identified below:

Item Number RN442836965CA

Product Name Lettermail

Reference Number 1 Not Applicable

Reference Number 2 Not Applicable

Delivery Date (yyyy/mm/dd) 2019-12-13

Signatory Name T P

Signature

A handwritten signature in black ink is written over a semi-transparent Canada Post logo. The signature is cursive and appears to be "T. P.". The logo behind it features the words "CANADA" and "POSTES" at the top and "POST" and "CANADA" at the bottom, with a red stylized arrow in the center.

Yours sincerely,

Customer Relationship Network

1-888-550-6333.

(From outside Canada 1 416 979-3033)

This copy confirms to the delivery date and signature of the individual who accepted and signed for the item in question. This information has been extracted from the Canadapost data warehouse

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Monday, June 07, 2021 9:19 AM
To: Sandra Anastasio - GM BluePlan
Subject: FW: Central Mississauga Wastewater Environmental Assessment - Project Update
Attachments: 210604 Central Miss EA_Project Update Letter_Metis Nation.pdf

Hi Sandra,

As requested.

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Lee, Justin
Sent: June 4, 2021 3:32 PM
To: consultations@metisnation.org
Subject: FW: Central Mississauga Wastewater Environmental Assessment - Project Update

Hi,

I received a bounce back email when sending to Ms. Linda Norheim. After reviewing the Metis Nation of Ontario website, I came across the consultations@metisnation.org contact address. Please see the email below and the attached letter in regards to the Central Mississauga Wastewater EA the Region of Peel is currently undertaking.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800

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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Lee, Justin

Sent: June 4, 2021 1:51 PM

To: catherinem@metisnation.org; russello@metisnation.org

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Borowiec, Laura <laura.borowiec@peelregion.ca>

Subject: Central Mississauga Wastewater Environmental Assessment - Project Update

Good afternoon Ms. Norheim and Mr. Ott,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The Public Information Centre No. 1 was held last year on March 10th, 2020. As a stakeholder identified within the study area, please see attached briefing note to keep you informed and updated on the current status of the project.

We have continued to progress through Phase 3 of the Class EA Study. Stakeholder meetings with the City of Mississauga, City of Toronto, Toronto and Region Conservation Authority, Credit Valley Conservation, and Hydro One have been held to discuss the feasibility and obtain guidance as well as support the preliminary preferred design concept before Public Information Centre No. 2. We have selected a preliminary preferred route for the wastewater trunk sewer, shaft sites and construction methodology. The Public Information Centre No. 2 materials will be posted on the Region's project website [here](#) on June 22nd, 2021. There will be a two-week period following the Public Information Centre No. 2 date closing on July 6, 2021. A formal response from the project team to all questions, comments and feedback will be posted on July 20, 2021. We anticipate to finalize and file this Class EA by Fall of 2021

In the meantime, please note that myself and the project team are available to meet with you should you request it at any point during our study.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

Cell: (647) 280-5481

Tel: (905) 791-7800

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Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Thursday, June 17, 2021 8:42 AM
To: Sandra Anastasio - GM BluePlan
Subject: FW: Central Mississauga Wastewater Environmental Assessment - Project Update
Attachments: FW: Central Mississauga Wastewater Environmental Assessment - Project Update

Hi Sandra,

For your records.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Cassidy Press <cassidyp@metisnation.org>
Sent: June 16, 2021 3:23 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: FW: Central Mississauga Wastewater Environmental Assessment - Project Update

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

Hello,

Thank you for your email. I just wanted to respond that you are correct in reaching out to consultations@metisnation.org.

MNO's Lands, Resources and Consultations staff check this email regularly and will forward any notifications to the appropriate MNO Council and Regional Consultation Committee for their consideration. Due to the number of notifications that the MNO receives, we do not respond to all notifications, however, if the Regional Consultation Committee or local Council wants to have a meeting with you, we will contact you.

Marsee, Miigwech, Thank you!

Cassidy Shay Press (she/her)
Branch Coordinator | Climate Change Advisor
Lands, Resources & Consultations Branch
Métis Nation of Ontario
C: 705-528-4542
E: CassidyP@metisnation.org
W: www.metisnation.org



Please note that as part of the effort to reduce the likelihood of workplace or community transmission of COVID-19, Métis Nation of Ontario employees will begin to offer limited client facing services in office beginning September 14, 2020 by appointment only. Other services that are being offered remotely will continue that way. Please check <http://www.metisnation.org/news-media/news/covid-19-support-programs/> for updates.

If you have COVID-19 related concerns or need help accessing support, please contact us by phone at 1-800-263-4889 or by email at covidhelp@metisnation.org.

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Please consider the environment before printing this e-mail.

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, February 04, 2022 2:44 PM
To: russello@metisnation.org; consultations@metisnation.org
Cc: Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion
Attachments: 2022-02 Notice of Completion_Final.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Mr. Ott,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. As a stakeholder identified within the study area, please see attached Notice of Completion. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

In the meantime, please note that myself and the project team are available to meet with you should you request it.

Sincerely,

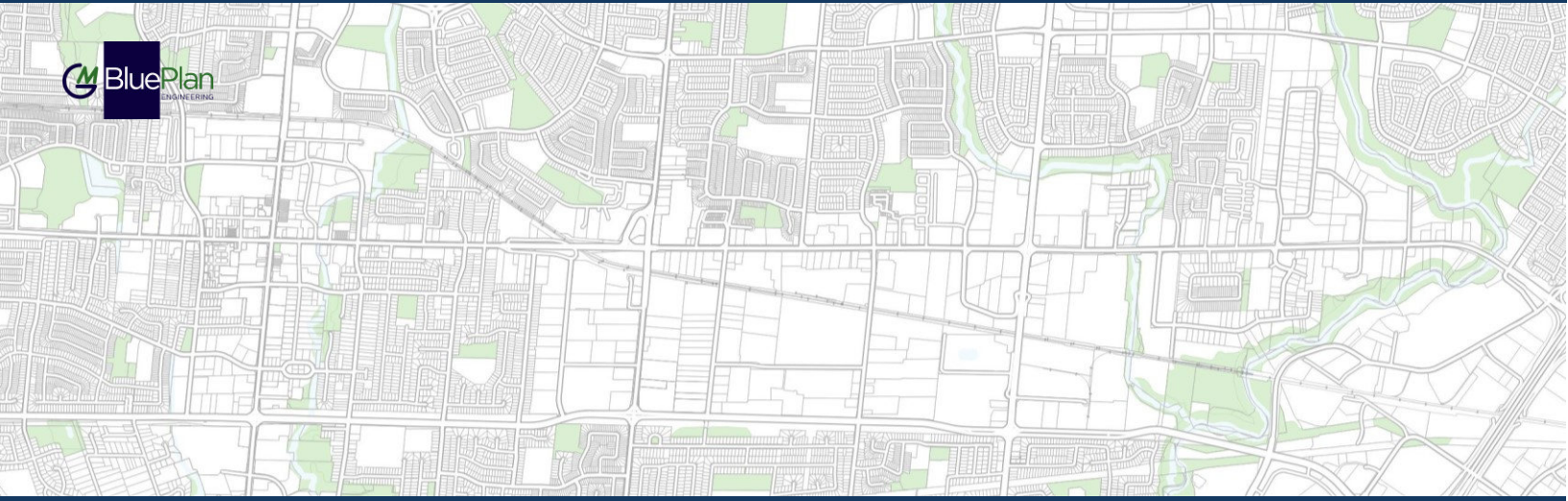
Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>



REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Indigenous Community Consultation

Haudenosaunee Confederacy

Sandra Anastasio - GM BluePlan

From: hdi2@bellnet.ca
Sent: Friday, May 01, 2020 3:24 PM
To: Sandra Anastasio - GM BluePlan
Subject: Re: HCCC Contact Us Submission

Follow Up Flag: Follow up
Flag Status: Completed

Hello

You may send any notifications to email address hdi2@bellnet.ca.
Thank you for email.

Thank you
Misty Hill

On May 1, 2020, at 3:16 PM, Sandra Anastasio <donotreply@haudenosauneeconfederacy.com> wrote:

From: Sandra Anastasio <sandra.anastasio@gmblueplan.ca>
Subject: HCCC Contact Us Submission

Message Body:

Hello,

We would like to add the Haudenosaunee Confederacy to our contact list for a Class Environmental Assessment study we are completing in the Region of Peel. Can you please provide an email where I can send future study Notices and communications.

Thank you,
Sandra Anastasio

--

This e-mail was sent from a contact form on HCCC (<http://www.haudenosauneeconfederacy.com>)

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, June 04, 2021 1:51 PM
To: hdi2@bellnet.ca
Cc: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan; Borowiec, Laura
Subject: Central Mississauga Wastewater Environmental Assessment - Project Update
Attachments: 210604 Central Miss EA_Project Update Letter_Haudenosaunee.pdf

Good afternoon Mr. Hill,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. The Public Information Centre No. 1 was held last year on March 10th, 2020. As a stakeholder identified within the study area, please see attached briefing note to keep you informed and updated on the current status of the project.

We have continued to progress through Phase 3 of the Class EA Study. Stakeholder meetings with the City of Mississauga, City of Toronto, Toronto and Region Conservation Authority, Credit Valley Conservation, and Hydro One have been held to discuss the feasibility and obtain guidance as well as support the preliminary preferred design concept before Public Information Centre No. 2. We have selected a preliminary preferred route for the wastewater trunk sewer, shaft sites and construction methodology. The Public Information Centre No. 2 materials will be posted on the Region's project website [here](#) on June 22nd, 2021. There will be a two-week period following the Public Information Centre No. 2 date closing on July 6, 2021. A formal response from the project team to all questions, comments and feedback will be posted on July 20, 2021. We anticipate to finalize and file this Class EA by Fall of 2021.

In the meantime, please note that myself and the project team are available to meet with you should you request it at any point during our study.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Monday, February 07, 2022 10:39 AM
To: info@hdi.land
Cc: Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: FW: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion
Attachments: 2022-02 Notice of Completion_Final.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Good morning Mr. Hill,

I sent out our Notice of Completion for the Schedule 'C' Class Environmental Assessment (EA) study on the Wastewater Capacity Improvements in Central Mississauga. Unfortunately I received a bounce back noting that the email was not sent through. I found this email (info@hdi.land) on the Haudenosaunee Confederacy website. I wanted to confirm if this was the best contact to send the study information to or if there was another email that is best suited for details on our EA?

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Lee, Justin
Sent: February 4, 2022 2:44 PM
To: hdi2@bellnet.ca
Cc: Borowiec, Laura <laura.borowiec@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion

Good afternoon Mr. Hill,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. As a stakeholder identified within the study area, please see attached Notice

of Completion. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

In the meantime, please note that myself and the project team are available to meet with you should you request it.

Sincerely,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

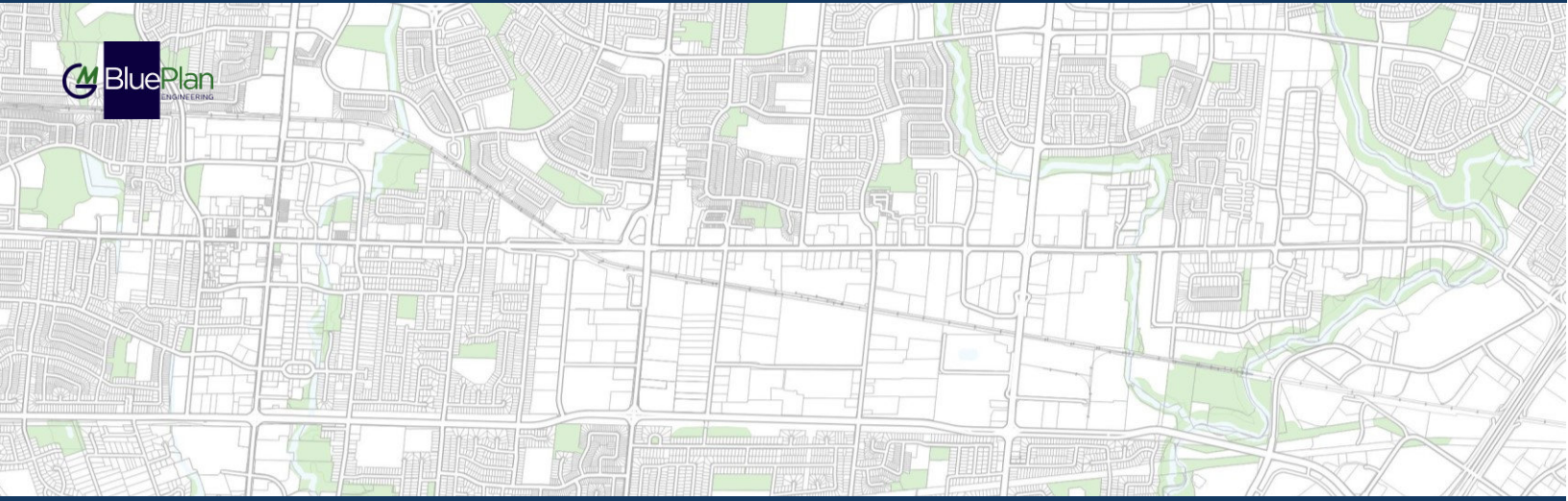
Cell: (647) 280-5481

Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>



REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Indigenous Community Consultation

Hiawatha First Nation

December 2, 2019

Chief Laurie Carr
Hiawatha First Nation
123 Paudash Street
Hiawatha, ON K9J 0E6

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800
peelregion.ca

RE: Wastewater Capacity Improvements in Central Mississauga Schedule 'C' Class Environmental Assessment Study – Project Update

Dear Chief Laurie Carr,

The Region of Peel is undertaking a Class Environmental Assessment (EA) study for Wastewater Capacity Improvements in Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system. The study area for this Class EA is shown below in Figure 1.

The Central Mississauga area will experience significant growth over the next 20+ years, specifically within the Mississauga City Centre, Hurontario and Dundas Corridor. We expect these areas to grow by over 40 percent by 2041. The current wastewater infrastructure does not have available capacity to service this increased growth and is the driver for why the Region is studying how to expand the capacity of the wastewater system in this area.

The Notice of Commencement was published on May 30, 2019, notifying the public and stakeholders of the study. The baseline studies have been completed, including hydrogeological, environmental, archaeological and cultural heritage. These draft technical studies are available and can be provided to you upon request. Technical studies, in conjunction with input received through the consultation process, are being utilized as part of the evaluation process and will ultimately form part of the final Environmental Study Report that will be filed for public review upon project completion.

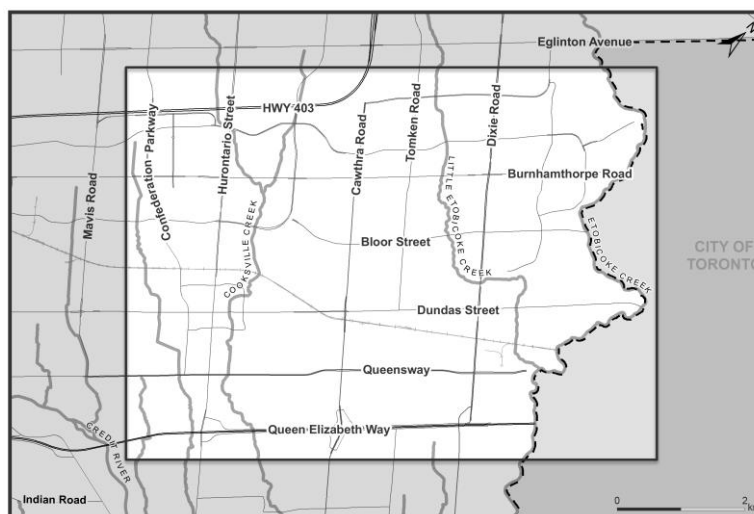


Fig. 1. Class EA Study Area



We anticipate the first Public Information Centre (PIC No. 1) to be completed in early Winter 2020 where we will present the preliminary preferred solution. The project team will then identify and evaluate alternative design concepts and select a preliminary preferred design concept for the preferred solution, which we anticipate will be presented at PIC No. 2 in early summer 2020.

You are currently in our study mailing list and will continue to receive notices for this study. If you would like to be removed from the mailing list, please contact the undersigned.

Should you have any questions or comments at any point during our study, please do not hesitate to contact the undersigned.

Sincerely,

Laura Borowiec, P.Eng.
Project Manager

Region of Peel
10 Peel Centre Drive, 4th Floor, Suite A
Brampton, ON, L6T 4B9
905-791-7800 Ext. 7681
laura.borowiec@peelregion.ca

cc: Chris Campbell – Project Manager, GM BluePlan

For more information on the project visit the Region's website at:
<https://www.peelregion.ca/pw/water/enviro-assess/scheduled-c-class-environmental-assessment.htm>

The Region of Peel is committed to ensure that all Regional services, programs and facilities are inclusive and accessible for persons with disabilities. Please contact the Project Manager if you need any disability accommodations to provide comments or feedback for this study.

Public Works

10 Peel Centre Dr.
Suite A
Brampton, ON
L6T 4B9
tel: 905-791-7800

peelregion.ca



Date: 2019/12/09

Dear Sir or Madam

Please find below the scanned delivery date and signature of the recipient of the item identified below:

Item Number RN442836909CA

Product Name Lettermail

Reference Number 1 Not Applicable

Reference Number 2 Not Applicable

Delivery Date (yyyy/mm/dd) 2019-12-06

Signatory Name S WILSON

Signature



Yours sincerely,

Customer Relationship Network

1-888-550-6333.

(From outside Canada 1 416 979-3033)

This copy confirms to the delivery date and signature of the individual who accepted and signed for the item in question. This information has been extracted from the Canadapost data warehouse

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Friday, February 04, 2022 2:44 PM
To: tcowie@hiawathafn.ca; sdavison@hiawathafn.ca
Cc: Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: Peel WW Capacity Improvements in Central Mississauga EA - Notice of Completion
Attachments: 2022-02 Notice of Completion_Final.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Mr. Cowie and Mr. Davison,

The Schedule 'C' Class Environmental Assessment (EA) study for the **Wastewater Capacity Improvements in Central Mississauga** was initiated in March 2019. As a stakeholder identified within the study area, please see attached Notice of Completion. We will be filing the Environmental Study Report for a 30-day public review period beginning February 16, 2022.

Public participation is a vital aspect of this study, and we would like to ensure a comprehensive public and agency consultation process.

In the meantime, please note that myself and the project team are available to meet with you should you request it.

Sincerely,

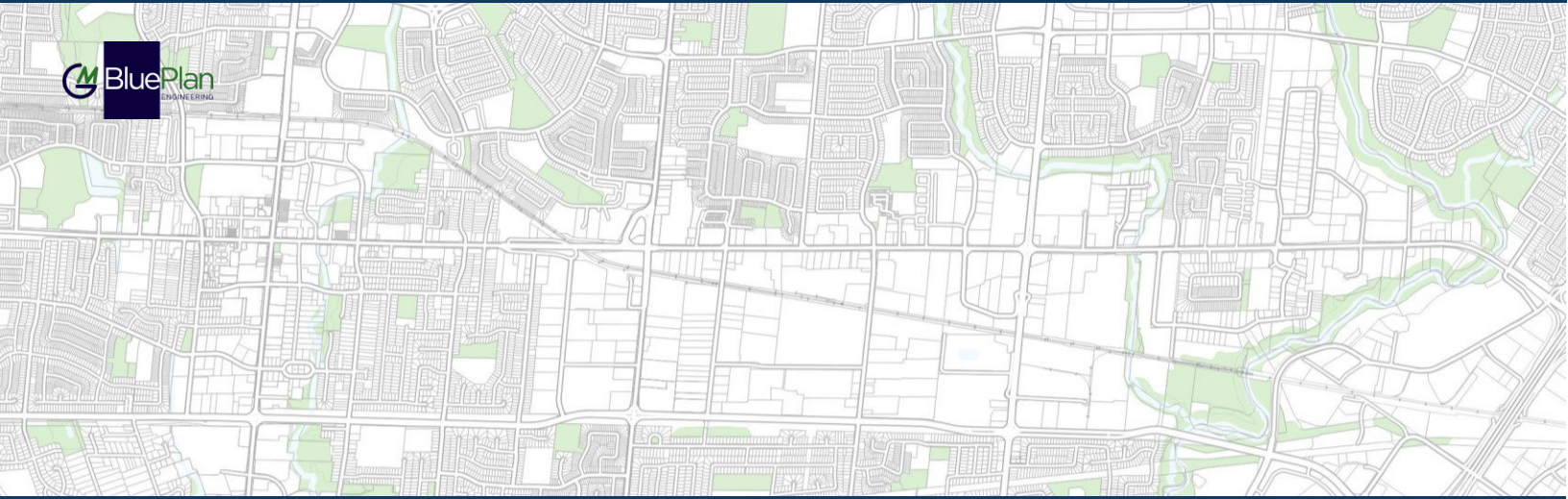
Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>



REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

Hydro One Networks Inc.

Sandra Anastasio - GM BluePlan

From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Friday, September 13, 2019 3:02 PM
To: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: FW: Hydro One Response: Wastewater Capacity Improvements in Central Mississauga
Attachments: 20190913-NoticeOfCommence-Wastewater Capacity Improvements in Central Mississauga.pdf

Follow Up Flag: FollowUp
Flag Status: Flagged

[Chris/Sandra,](#)

[Please comments attached from Hydro One.](#)

[Thanks,](#)

Laura Borowiec, P.Eng.

Project Manager

Infrastructure Planning & Studies, Growth, Groundwater & Source Water Protection

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

905-791-7800 Ext. 7681



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From: SecondaryLandUse@HydroOne.com <SecondaryLandUse@HydroOne.com>
Sent: September 13, 2019 1:14 PM
To: Borowiec, Laura <laura.borowiec@peelregion.ca>
Subject: Hydro One Response: Wastewater Capacity Improvements in Central Mississauga

Please see the attached for Hydro One's Response.

Hydro One Networks Inc

SecondaryLandUse@HydroOne.com

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Hydro One Networks Inc
483 Bay St
Toronto, ON

September 13, 2019

Re: Wastewater Capacity Improvements in Central Mississauga

Attention:
Laura Borowiec, P.Eng.
Project Manager

In our preliminary assessment, we have confirmed that Hydro One has existing high voltage Transmission facilities within your study area. At this point in time we do not have enough information about your project to provide you with meaningful input with respect to the impacts that your project may have on our infrastructure. As such, this response does not constitute any sort of approval for your plans and is being sent to you as a courtesy to inform you that we must be consulted on your project.

In addition to the existing infrastructure mentioned above, the affected transmission corridor may have provisions for future lines or already contain secondary land uses (i.e. pipelines, watermains, parking, etc). Please take this into consideration in your planning.

Also, we would like to bring to your attention that should (Wastewater Capacity Improvements in Central Mississauga) result in a Hydro One station expansion or transmission line replacement and/or relocation, an environmental assessment (EA) will be required as described under the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016). This EA process would require a minimum of 6 months to be completed and associated costs will be allocated and recovered in accordance with the Transmission System Code. Furthermore, to complete an EA it can take from 6 months (to complete a Class EA Screening Process) to 18 months (to complete a Full Class EA Process) based on the level of assessment required for the EA. In order to achieve speedy completion of the EA, Hydro One will need to rely on studies and/or reports completed as part of the EA for your project.

Please allow the appropriate lead-time in your project schedule in the event that your proposed development impacts Hydro One infrastructure to the extent that it would require modifications to our infrastructure.

In planning, please note that developments should not reduce line clearances or limit access to our facilities at any time in the study area of your Proposal. Any construction activities must maintain the electrical clearance from the transmission line conductors as specified in the Ontario Health and Safety Act for the respective line voltage.

Please note that the proponent will be held responsible for all costs associated with modification or relocation of Hydro One facilities, as well as any added costs that may be incurred due to increase efforts to maintain our facilities.

We reiterate that this message does not constitute any form of approval for your project. Hydro One must be consulted during all stages of your project. Please ensure that all future communications about your project are sent to us electronically to secondarylanduse@hydroone.com.

Sent on behalf of,

***Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.***



December 2, 2019

Our File: 718018

HydroOne Networks
483 Bay Street, North Tower, 15th Floor
Toronto, Ontario M5G 2P5

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

To Whom it May Concern,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any HydroOne operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell', written over a white rectangular background.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 04, 2019 11:06 AM
To: 'SecondaryLandUse@HydroOne.com'
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ HydroOne.pdf

Hello,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA -
_Preliminary_Short_Listed_Sites.pdf](https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca





Royal Centre 3300 Hwy 7 Suite 402
Vaughan ON L4K 4M3
P: 416.703.0667 F: 416.703.2501
www.gmblueplan.ca

Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018
Meeting:	Hydro One Consultation Meeting	
Date:	Thursday, March 26, 2020	Time: 1:00 pm – 2:00 pm
Location:	Skype Meeting	
Attendees:		
	<u>Hydro One</u> Matey Matev Greg Gowan Jennifer Trotman	<u>Region of Peel</u> Justin Lee Laura Borowiec
		<u>GM BluePlan</u> Chris Campbell Mark Zamojc Sandra Anastasio

Agenda Items

1. Introductions
2. Meeting Objectives
 - a) Agree Contact Leads
 - b) Outline study process, timelines and input opportunities
 - c) Gather information on Hydro One infrastructure
 - d) Understand Hydro One procedures, standards and policies related to the study
3. Project Overview
4. Project Schedule
5. Hydro One Considerations
6. Next Steps

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

Hydro One Consultation
March 26, 2020

AGENDA

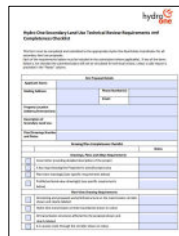
1. Introductions
2. Project Overview
3. Project Schedule
4. Hydro One Considerations
5. Next Steps

Meeting Objectives

- Agree contact leads
- Outline study process, timelines and input opportunities
- Gather information on Hydro One infrastructure
- Understand Hydro One procedures, standards and policies related to the study

COMMUNICATIONS

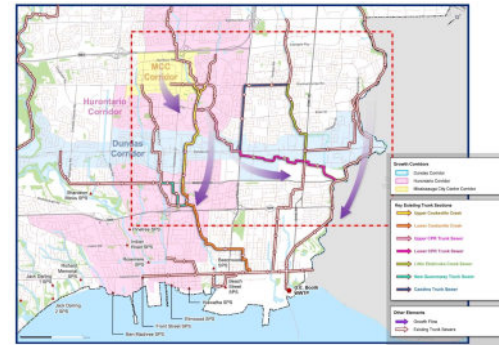
- **Project Leads**
 - ✓ Region of Peel: Justin Lee, Project Manager
 - ✓ GM BluePlan: Chris Campbell, Project Manager
- **Hydro One Contacts**
 - ✓ Brian McCormick, Manager of Environmental Services
 - ✓ Greg Gowan, Senior Real Estate Coordinator
 - ✓ Matey Matev, Senior Network Management Officer
 - ✓ Jennifer Trotman, Distributed Generation Connections
 - ✓ Farooq Qureshy, Manager, Transmission Planning
 - ✓ Rosella Fazio, Manager Transmission Lines Sustainment
 - ✓ Walter Kloostra, Manager Distribution Sustainment Planning
- **Hydro One Study Consultation**
 - ✓ Notice of Commencement (May 2019)
 - ✓ Consultation Letter on Short List of Alternatives (November 2019)
 - Received feedback from Hydro One on the Technical Review Requirements including "Temporary License Agreement" and "Grant of Easement"
 - ✓ Notice of Public Information Centre #1 (February 2020)



STUDY AREA

Study Problem / Opportunity Statement

"Increase the conveyance capacity of key trunk sewers to service future growth and ensure alignment with the Region's long-term plan for providing wastewater services within the Mississauga City Centre, Hurontario Corridor and Dundas Corridor areas."



EA PROCESS

Project Schedule Timeline



We are currently in Phase 3 of the EA process to identify and evaluate the alternative design concepts for the preferred solution alignments and shaft sites.

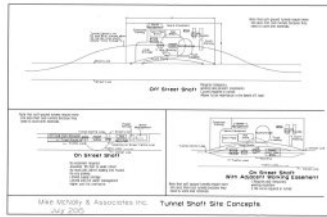
PRELIMINARY PREFERRED SOLUTION



CONSTRUCTION METHODOLOGY & ASSUMPTIONS



- The depth of the proposed sewer alignments require the use of tunneling as opposed to open cut method
 - Sewer depth driven by key connection points
 - Sewer depth will avoid impacts to natural features
- The only surface works involved with tunnel construction are entrance/exit shafts located between tunnel drive lengths
 - Each access shaft will require a staging area where construction equipment can be stored and excavated material can be brought to the surface to be hauled from the site in trucks
 - Staging areas will measure approximately 50 m x 50 m and will be fenced off
 - Shaft site locations are selected based on the availability of land including open spaces, vacant lots and greenspaces
 - The proposed alignment will require a minimum of 8 shaft locations
 - Once tunneling is completed, the staging area will be restored to its original condition or better



HYDRO ONE INFRASTRUCTURE



- Through a baseline review of utilities, Hydro One has the following infrastructure within the study area
- What further information can Hydro One provide to support the review and evaluation of the design alternatives for the alignment and shaft sites?



HYDRO ONE CONSIDERATIONS



Hydro One procedures and policies to support the evaluation of the alternative alignment and shaft site design concepts



- What is the minimum clearance (vertical and horizontal) required for works nearby hydro lines?
- What does Hydro One require for works nearby hydro lines?
- What are the next steps in Hydro One's review process?
- What are the mitigation measures required?

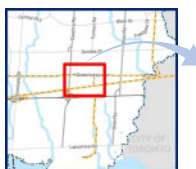
QUEENSWAY – CONCEPTUAL SHAFT LOCATIONS



QUEENSWAY – CONCEPTUAL SHAFT LOCATIONS



QUEENSWAY – CONCEPTUAL SHAFT LOCATIONS



QUEENSWAY – CONCEPTUAL SHAFT LOCATIONS



GM BluePlan
March 26, 2020

NEXT STEPS



- Additional technical studies will be completed on the preferred solution including:
 - Utilities and Infrastructure Review
 - Natural Features
 - Phase 1 ESA
 - Geotechnical
 - Stage 2 Archeological Assessment
- Phase 3: Design Concept Alternatives and Preferred Design Solution
 - Confirm detailed alignment and shaft locations
- PIC #2 to present the preliminary preferred design concept
 - Fall 2020

GM BluePlan
March 26, 2020

HYDRO ONE FEEDBACK



GM BluePlan
March 26, 2020



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Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018
Meeting:	City of Mississauga Consultation Meeting	
Date:	Thursday, March 26, 2020	Time: 1:00 pm – 2:00 pm
Location:	Skype Meeting	
Attendees:		
<u>Hydro One</u> Matey Matev (MM) Greg Gowan (GG) Jennifer Trotman (JT) Nikhil Chogal (NC)	<u>Region of Peel</u> Justin Lee (JL) Laura Borowiec (LB)	<u>GM BluePlan</u> Chris Campbell (CC) Mark Zamojc (MZ) Sandra Anastasio (SA)

Item	Actions
<u>1. Contact Leads</u> 1.1 Hydro One team advised of changes to Hydro One contacts in study contact list. All contacts to be replaced by secondarylanduse@hydroone.com. 1.2 Greg Gowan will be the main contact once this EA study is complete.	1.1 GMBP
<u>2. Project Overview</u> 2.1 Construction methodology was reviewed early in the evaluation process due to the deep depth required for key sewer connection points. 2.2. Through the evaluation of alternatives, tunneling was considered the only viable construction method. 2.3 Through the evaluation process, the study has considered avoidance as the main mitigative measure, where possible.	
<u>3. Hydro One Infrastructure</u> 3.1 Hydro One owns land throughout the Queensway East alignment. 3.2 Hydro One does not own the entire hydro line across the Queensway alignment. <ul style="list-style-type: none"> Hydro One owns the active transmission line on Queensway from west of Stanfield Road to Etobicoke Creek. Hydro One owns the transmission line that runs in between QEW and Queensway. Hydro One owns the hydro station just north west of Cawthra and QEW. Alectra owns the hydro lines on Queensway from Hurontario Street to west of Stanfield Road. 	

<p>3.3 Hydro One to provide figures for Hydro One infrastructure nearby and along Queensway alignment.</p> <ul style="list-style-type: none"> Hydro One received information from surveys conducted by past project proponents – A survey may be required for this study. 	<p>3.3. Hydro One</p>
<p><u>4. Hydro One Considerations</u></p> <p>4.1 Hydro One team prefers all shaft locations to be outside of Hydro One corridor</p> <p>4.2. Hydro One’s main concerns are:</p> <ul style="list-style-type: none"> Vibrations at transmission towers Transmission tower/line clearances <p>4.3 Hydro One to provide Vibration Requirement Guidelines</p> <ul style="list-style-type: none"> For construction works near transmission towers - maximum 15mm/s vibration permitted. If vibrations exceed allowable maximum, Hydro One may request monitoring at towers for sediment and vibrations. <p>4.4 The minimum clearance from Hydro Towers is 15 m</p> <ul style="list-style-type: none"> If shaft is located outside of a Hydro One corridor, there should not be any minimum clearances, however, Hydro One will review all proposed designs to confirm alignment clearances. <p>4.5 OSHA provides limits of approach for live conductors (operating at 230 KV).</p> <p>4.6 Shaft Site Review:</p> <ul style="list-style-type: none"> Queensway and Dixie Road – no preference, however Hydro One will required more detailed information of shaft site options at this location. This shaft site is not critical and can be avoided if necessary. Queensway and Etobicoke Creek – Hydro One prefers north shaft site (site not located within Hydro One corridor). Queensway and Sherway Drive – crossing Hydro One lines perpendicularly – must keep a minimum 15 m from transmission towers. <p>4.7 Technical Review Requirements document (received through past consultation with Hydro One) contains information on what is required from proponent for Hydro One’s design reviews process.</p>	<p>4.3. Hydro One</p>
<p><u>5. Next Steps</u></p> <p>5.1 GMBP and Region will consider commentary received from Hydro One in the design alternatives evaluation process</p> <p>5.2 Region to review property acquisitions</p> <ul style="list-style-type: none"> Going forward, consultation / correspondence with Hydro One to include Regional Real Estate contact, Steve Oldford. <p>5.3 Next Public Information Center is planned for Fall 2020 and will identify the preliminary preferred design concepts for the alignment and shaft locations.</p>	<p>5.2. Region</p>

Sandra Anastasio - GM BluePlan

From: Matey.MATEV@HydroOne.com
Sent: Wednesday, April 15, 2020 9:44 AM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; laura.borowiec@peelregion.ca; Justin.Lee@peelregion.ca; greg.gowan@hydroone.com; Jennifer.Trotman@hydroone.com; Nikhil.Chogal@HydroOne.com
Subject: RE: Central Mississauga EA - Meeting Package

Follow Up Flag: Follow up
Flag Status: Completed

Hi Sandra

Please see below screen shots showing our existing assets for your consideration. The mapping moves from east to west.

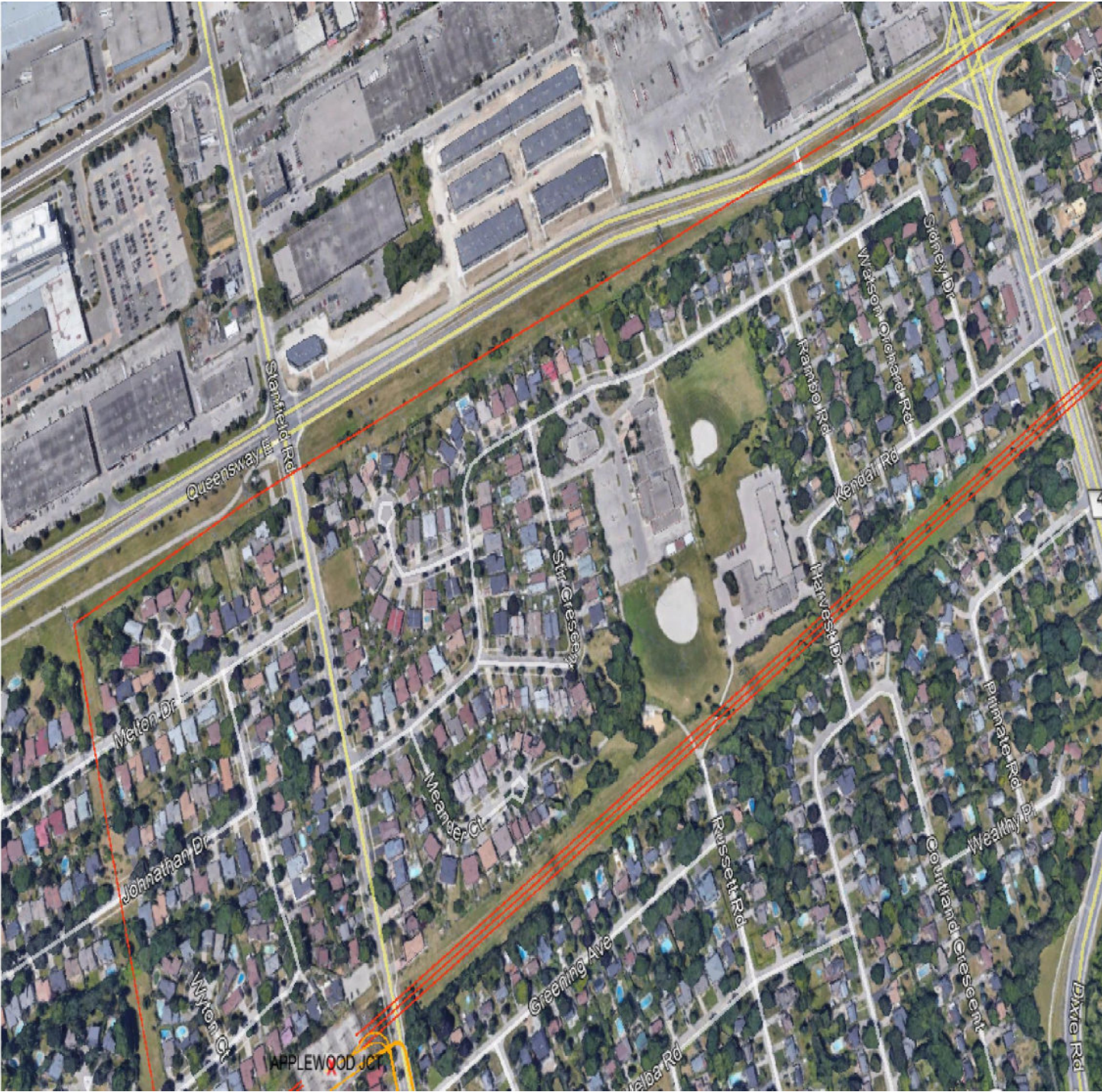
The red lines are overhead 230,000 volt lines and the yellow lines are underground 230,000 volt cables which are currently not energized.

As discussed on our call, we do have real estate rights on properties in the area which have no transmission lines on them.

Please review and let us know if further information is needed.

Thanks
Matey







From: Sandra Anastasio - GM BluePlan [mailto:Sandra.Anastasio@gmblueplan.ca]

Sent: Monday, April 13, 2020 11:22 AM

To: MATEV Matey

Cc: Chris Campbell - GM BluePlan; laura.borowiec@peelregion.ca; Justin.Lee@peelregion.ca; GOWAN Greg; TROTMAN Jennifer; CHOGAL Nikhil

Subject: RE: Central Mississauga EA - Meeting Package

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Hi Matey,

Thank you for providing information for action item 4.3.

In regards to action item 3.3, we are requesting mapping of all Hydro One assets along and adjacent to the Queensway alignment (above and below ground assets) to include in our inventory and to be considered in our alignment and shaft site design alternative evaluation.

Let me know if you have any additional questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Matey.MATEV@HydroOne.com <Matey.MATEV@HydroOne.com>
Sent: Wednesday, April 08, 2020 4:23 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; laura.borowiec@peelregion.ca;
Justin.Lee@peelregion.ca; greg.gowan@hydroone.com; Jennifer.Trotman@hydroone.com;
Nikhil.Chogal@HydroOne.com
Subject: RE: Central Mississauga EA - Meeting Package

Hi Sandra,

Thank you for drafting the minutes of meeting.
In general we don't have comments on them, except the two items below.

We do have one question regarding the action under item 3.3. Could you please refresh our memory what was the deliverable for this item?

Please find below the vibration limit which closes action 4.3:

Maximum permissible ground vibrations at the foundation(s) of the transmission structure nearest to the blast will not exceed 50 mm/s (2 in/s).

Thank you
Matey

From: Sandra Anastasio - GM BluePlan [<mailto:Sandra.Anastasio@gmblueplan.ca>]
Sent: Wednesday, April 01, 2020 5:19 PM
To: MATEV Matey; GOWAN Greg; TROTMAN Jennifer; CHOGAL Nikhil

Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Lee, Justin
Subject: Central Mississauga EA - Meeting Package

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Hello Matey,

Please find in the link below the meeting package for the Central Mississauga EA call last Thursday. If there are any changes, please let me know and I will update and resubmit accordingly.

This file will only be available for 21 days.

[04-01-20 1715 200326-PKG-Hydro One Consultation Meeting.pdf](#)

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Matey.MATEV@HydroOne.com
Sent: Thursday, March 19, 2020 9:18 AM
To: Justin.Lee@peelregion.ca
Cc: greg.gowan@hydroone.com; laura.borowiec@peelregion.ca; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan; Jennifer.Trotman@hydroone.com
Subject: RE: Wastewater Capacity Improvements in Central Mississauga - Hydro One transmission impacts

Good morning Justin

Thank you for your prompt response and the update on the contact info.
Yes – March 26 at 1pm works for our schedules.

Please include Greg Gowan and Jennifer Trotman (cc'd) in the invitation

Thanks
Matey

From: Lee, Justin [mailto:Justin.Lee@peelregion.ca]
Sent: Thursday, March 19, 2020 9:14 AM
To: MATEV Matey
Cc: GOWAN Greg; Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: RE: Wastewater Capacity Improvements in Central Mississauga - Hydro One transmission impacts

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Hi Matey,

Good morning and hopefully all is well with you.

Thank you for your email in regards to the EA. I am the new Project Manager with the Region of Peel for the Central Mississauga Wastewater Capacity Improvements EA. Laura Borowiec will still be involved in the project but on a higher level.

I have discussed with our consultants on availability over the next week and propose a conference call on Thursday March 26th from 1pm to 2pm. If you are available at this time, I will set up a Skype Conference call for all of us. If you have prefer another date / time, please let me know.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481

Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: SecondaryLandUse@HydroOne.com <SecondaryLandUse@HydroOne.com>

Sent: Friday, March 13, 2020 1:36 PM

To: Borowiec, Laura

Subject: Wastewater Capacity Improvements in Central Mississauga - Hydro One transmission impacts

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

Good afternoon Ms. Borowiec,

Hydro One is in receipt of your notification about PIC #1 for the wastewater Capacity Improvements in Central Mississauga.

We have transmission facilities in your study area which are likely to be impacted and we would like to discuss those impacts with you.

Could you please advise a date/time next week when we can have a conference call to discuss the project?

Thanks

Matey

Matey N. Matev, MBA

Senior Network Management Officer, Asset Optimization – Secondary Land Use, TCT13-C7

Hydro One Networks Inc.

Tel: (416) 345-6709

Fax: (416) 345-6077

Email: matey.matev@HydroOne.com

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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Friday, January 15, 2021 8:55 AM
To: greg.gowan@hydroone.com; Jennifer.Trotman@hydroone.com; Arnold.Vidad@HydroOne.com; Matey.MATEV@HydroOne.com
Cc: Chris Campbell - GM BluePlan; Mark Zamojc (mark.zamojc@gmblueplan.ca); Lee, Justin; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Oldford, Steven
Subject: Region of Peel Central Mississauga EA Meeting

Hi Greg,

Please find a link below to the agenda and slides that will be discussed during the upcoming Region of Peel Central Mississauga EA meeting on Monday.

https://sendafile.gmblueplan.ca/public_uploads/2021-01-15_135237_SandraAnastasio.zip

Let me know if you have any issues accessing the documents.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
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Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018
Meeting:	Hydro One Consultation Meeting	
Date:	Monday, January 18, 2021	Time: 1:00 pm – 2:00 pm
Location:	Microsoft Teams	
Attendees:		
<u>Hydro One</u>	<u>Region of Peel</u>	<u>GM BluePlan</u>
Matey Matev	Justin Lee	Chris Campbell
Greg Gowan	Laura Borowiec	Mark Zamojc
Jennifer Trotman	Steven Oldford	Sandra Anastasio
Arnold Vidad		

Agenda Items

1. Introductions & Meeting Objectives
2. Project Overview
3. Hydro One Land Impacts
4. Proposed Alignment & Conceptual Shaft Compound Review
5. Approval Process & Next Steps

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

Hydro One Consultation
January 18, 2021

AGENDA

1. Introductions & Meeting Objectives
2. Project Overview
3. Hydro One Land Impacts
4. Proposed Alignment & Conceptual Shaft Compound Review
5. Approval Process & Next Steps

Meeting Objectives

- Update Hydro One team on preliminary preferred solution
- Obtain Hydro One support for preliminary preferred design concept
- Discuss any Hydro One team concerns/constraints on preliminary preferred shafts / sewer alignment
- Understand Hydro One permit/land needs process and next steps

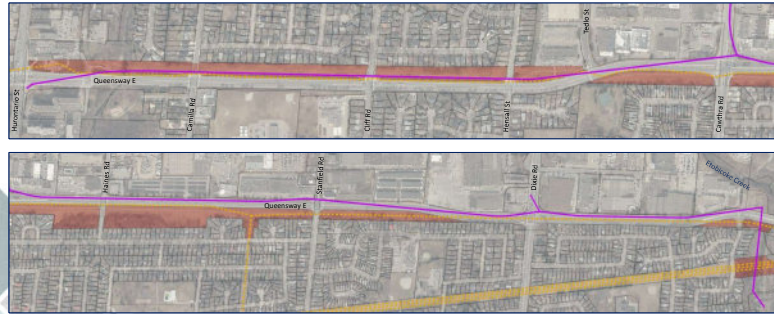
PROJECT OVERVIEW

- Hydro One consultation in March 2020 presented the results of Phase 2 of the EA process, the preferred conceptual sewer alignment.
- Currently completing Phase 3 of the EA process to identify and evaluate the alternative design concepts for the preferred solution alignments and shaft sites.
- Public Consultation Centre #2 – March 2021



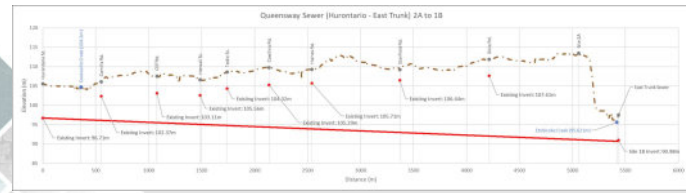
HYDRO ONE LAND IMPACTS

- Hydro One owns land along Queensway E and Etobicoke Creek
- Hydro Infrastructure:
 - Alectra owns hydro infrastructure to the west of Stanfield Rd (overhead power lines & poles)
 - Hydro One owns hydro infrastructure to the east of Stanfield Rd (overhead power lines & transmission towers)
- A portion of the proposed alignment falls within Hydro One lands



HYDRO ONE LAND IMPACTS

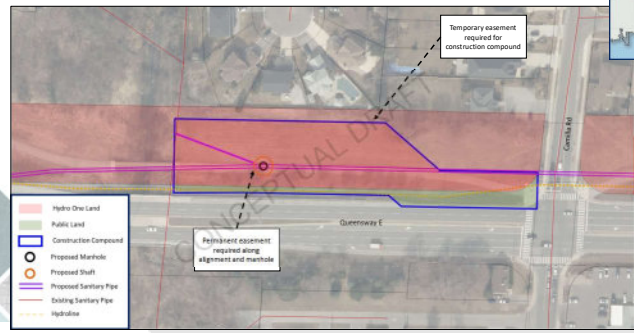
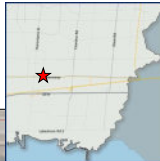
- The depth of the proposed Queensway sewer alignment will require the use of tunneling as opposed to open cut method (minimum of ~ 5 m depth below ground elevation on Hydro One lands).
- The only surface works involved with tunnel construction are the entrance/exit/connection shafts. Once the tunneling is completed, the main staging area will be returned to its original condition or better.
- There are preliminary preferred shaft sites along Queensway East which will require temporary and permanent easements on Hydro One owned land to facilitate construction of shafts/manholes and sewer alignment including:
 - ❑ Queensway and Cookville Creek/Camilla
 - ❑ Queensway and Cliff
 - ❑ Queensway and Hensall
 - ❑ Queensway and Tedlo
 - ❑ Queensway and Etobicoke Creek



CONCEPTUAL SHAFT COMPOUNDS

Queensway and Cookville Creek/Camilla

- Portion of construction compound within Hydro One owned land.
- Permanent and temporary easements required for alignment and manhole.
- Pipe depth at proposed manhole ~ 6 m.

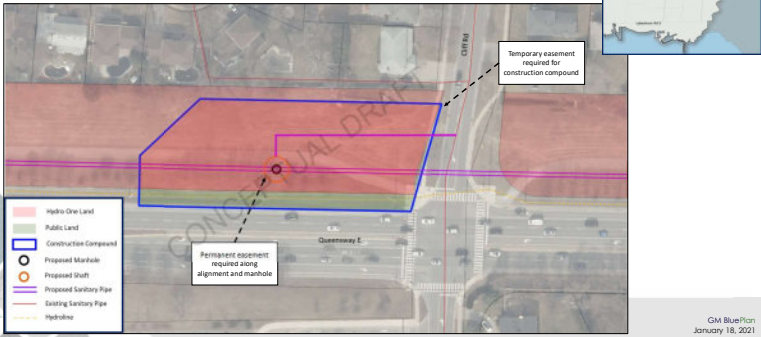


CONCEPTUAL SHAFT COMPOUNDS



Queensway and Cliff

- Portion of construction compound within Hydro One owned land.
- Permanent and temporary easements required for alignment and manhole.
- Pipe depth at proposed manhole ~ 10 m.



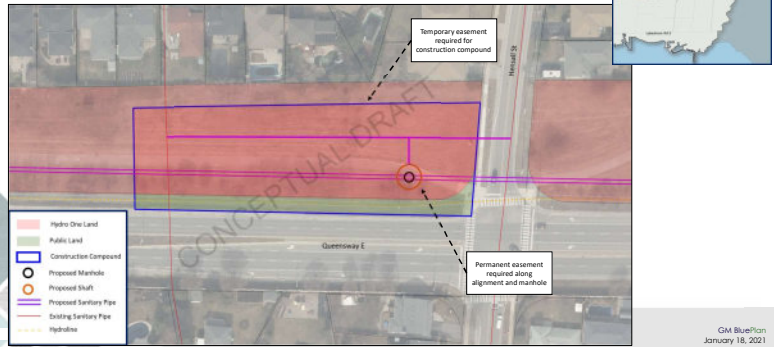
GM BluePlan
January 18, 2021

CONCEPTUAL SHAFT COMPOUNDS



Queensway and Hensall

- Portion of construction compound within Hydro One owned land.
- Permanent and temporary easements required for alignment and manhole.
- Pipe depth at proposed manhole ~ 10 m.



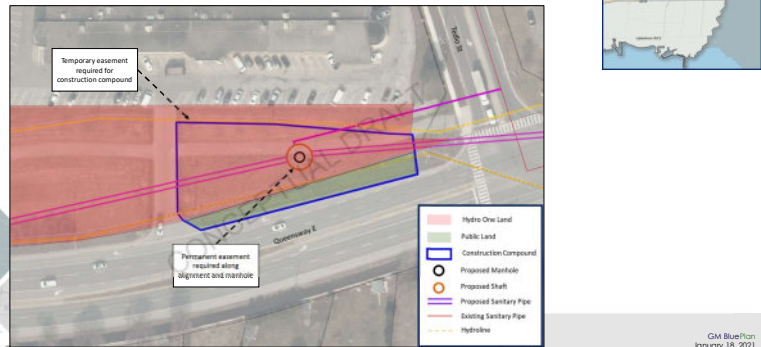
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January 18, 2021

CONCEPTUAL SHAFT COMPOUNDS



Queensway and Tedlo

- Portion of construction compound within Hydro One owned land.
- Permanent and temporary easements required for alignment and manhole.
- Pipe depth at proposed manhole ~ 12 m.

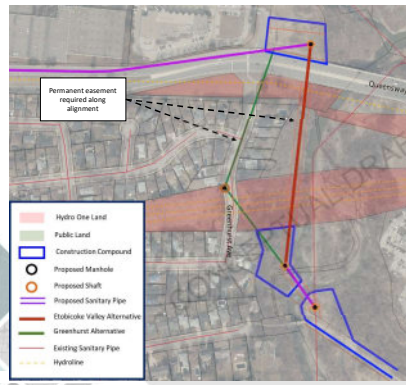


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January 18, 2021

CONCEPTUAL SHAFT COMPOUNDS



Queensway and Etobicoke Creek



Alignment Alternatives:

- 1 – Etobicoke Valley**
 - No shaft within Hydro One lands
 - Crosses Hydro One lands/overhead power lines (below ground at min ~ 5m depth)
 - Anticipated crossing of hydro lines via tunnel construction methodology
- 2 – Greenhurst**
 - Assumed shaft within road ROW, adjacent to Hydro One lands
 - Shaft close to Hydro One overhead power lines & transmission tower
 - Crosses Hydro One lands/overhead power lines (below ground min ~ 15m depth)
 - Anticipated crossing of hydro lines via tunnel construction methodology

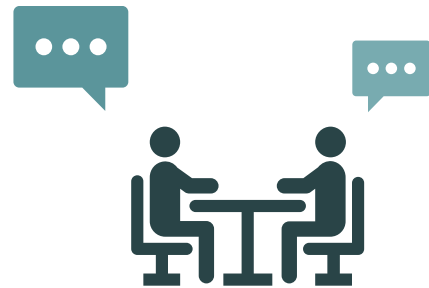
CLASS EA & APPROVAL PROCESS NEXT STEPS



- The following shaft sites will require temporary and permanent easements on Hydro One lands:
 - Queensway and Cooksville Creek/Camilla
 - Queensway and Cliff
 - Queensway and Hensall
 - Queensway and Tedlo
 - Queensway and Etobicoke Creek
- Class EA Stakeholder Input
 - Support in principle to preliminary preferred solution
- Permits & Approvals
 - What steps are required for implementation?
- Public Information Center #2 presents the preliminary preferred design concept
 - March 2021

GM BluePlan
January 18, 2021

HYDRO ONE FEEDBACK



GM BluePlan
January 18, 2021



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Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018												
Meeting:	Hydro One Consultation Meeting													
Date:	Monday, January 18, 2021	Time: 1:00 pm – 2:00 pm												
Location:	Microsoft Teams													
Attendees:	<table border="0"> <tr> <td><u>Hydro One</u></td> <td><u>Region of Peel (Region)</u></td> <td><u>GM BluePlan (GMBP)</u></td> </tr> <tr> <td>Matey Matev (MM)</td> <td>Justin Lee (JL)</td> <td>Chris Campbell (CC)</td> </tr> <tr> <td>Greg Gowan (GG)</td> <td>Laura Borowiec (LB)</td> <td>Mark Zamojc (MZ)</td> </tr> <tr> <td>Arnold Vidad (AV)</td> <td>Steven Oldford (SO)</td> <td>Sandra Anastasio (SA)</td> </tr> </table>		<u>Hydro One</u>	<u>Region of Peel (Region)</u>	<u>GM BluePlan (GMBP)</u>	Matey Matev (MM)	Justin Lee (JL)	Chris Campbell (CC)	Greg Gowan (GG)	Laura Borowiec (LB)	Mark Zamojc (MZ)	Arnold Vidad (AV)	Steven Oldford (SO)	Sandra Anastasio (SA)
<u>Hydro One</u>	<u>Region of Peel (Region)</u>	<u>GM BluePlan (GMBP)</u>												
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Greg Gowan (GG)	Laura Borowiec (LB)	Mark Zamojc (MZ)												
Arnold Vidad (AV)	Steven Oldford (SO)	Sandra Anastasio (SA)												

Item	Actions
1. <u>Introductions & Meeting Objectives</u> 1.1 Greg Gowan, Hydro One Real Estate – Liaison for this Class EA study 1.2 Matey Matev, Hydro One Asset Optimization – Technical review and approval for installations 1.3 Arnold Vidad, Hydro One Asset Optimization, Planner 1.4 Justin Lee, Region of Peel Project Manager 1.5 Laura Borowiec, Region of Peel Project Advisor 1.6 Steven Oldford, Region of Peel Senior Capital Acquisition Agent, Real Estate 1.7 Chris Campbell, GM BluePlan Project Manager 1.8 Mark Zamojc, GM BluePlan Technical Lead 1.9 Sandra Anastasio, GM BluePlan Technical Support	
2. <u>Hydro One Land Impacts</u> 2.1 GMBP to update conceptual alignment and shaft compound mapping to differentiate between Alectra and Hydro One owned infrastructure. 2.2 For the property indicated as Hydro One owned, note that Infrastructure Ontario (IO) owns the land (provincially owned lands), however Hydro One manages the lands on behalf of IO.	2.1 GMBP
3. <u>Proposed Alignment & Conceptual Shaft Compound Review</u> 3.1 GMBP to submit the conceptual alignment and shaft compounds for Hydro One’s (Engineering Team) preliminary review to receive initial feedback (similar mapping to the maps presented in the meeting slides). 3.2 Submission to be sent to Greg Gowan to coordinate the internal review process. Hydro One Team will review against existing and planned Hydro infrastructure to identify constraints. This will inform the preparation of the preliminary design draws which will be submitted to Hydro One for further review.	3.1 GMBP

<p>3.3 GMBP to update conceptual shaft compound mapping to include dimensions of shaft compounds and road ROW boundary.</p> <p>3.4 Hydro One land to the west of Stanfield currently does not have any transmission lines, however there may be Hydro One infrastructure planned for the future (Hydro One Team will review this during their preliminary review).</p> <p>3.5 Hydro One concerned with potential future transmission towers (location of foundation) which may conflict with proposed sewer alignment.</p> <p>3.6 Proposed connection points to local sewers will be completed using open cut construction methodology (not as deep as west to east proposed alignment).</p> <p>3.7 Proposed construction compounds may be larger than required (conservative at this stage)</p> <p>3.8 All proposed infrastructure is below ground, except potential flow control source/panel and potential vent piping (Hydro One preference for minimal above ground infrastructure).</p> <p>3.9 Hydro One recommends consultation with the City of Mississauga to discuss the temporary relocation of the multi-use trail along Queensway during construction (also on the location of the final manhole – currently being shown on the trail at some locations).</p> <p>3.10 Hydro One recommends consultation with Alectra on working near their infrastructure (e.g., passing under wires to enter construction site).</p> <p>3.11 Hydro One preference for Etobicoke Valley alignment alternative, however if Greenhurst alignment is chosen, project team will have to work closely with Hydro One for Health & Safety requirements (e.g. working close to transmission towers).</p>	<p>3.3 GMBP</p> <p>3.9 GMBP/ Region</p> <p>3.10 GMBP/ Region</p>
<p>4. <u>Approval Process & Next Steps</u></p> <p>4.1 Hydro One initial comments:</p> <p>4.1.1 In principle, temporary and long-term easements within Hydro One lands as per presented should be achievable subject not to impact existing and planned Hydro One infrastructure</p> <p>4.1.2 Hydro One will review and provide comment once package is received, (review of detailed design usually takes 8 to 10 weeks)</p> <p>4.2 The Region’s team hopes that Hydro One can provide expedited commentary on conceptual level drawings to support the Class EA Schedule recognizing that further detailed design draws will be prepared based on Hydro One’s feedback, that will be submitted to Hydro One for further review.</p> <p>4.2.1 Steven Oldford to further discuss costing with Greg Gowan</p> <p>4.3 Construction phasing is estimated to begin in 2024/2025 at the earliest (GMBP/Region have not finalized the implementation plan).</p>	<p>4.2.1 SO</p>

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Friday, February 05, 2021 3:32 PM
To: greg.gowan@hydroone.com
Cc: Jennifer.Trotman@hydroone.com; Arnold.Vidad@HydroOne.com; Matey.MATEV@HydroOne.com; Lee, Justin; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Oldford, Steven; Mark Zamojc (mark.zamojc@gmblueplan.ca); Chris Campbell - GM BluePlan
Subject: Region of Peel Central Miss EA - Hydro One Consultation

Hi Greg,

Please find in the link below the meeting package from our call on January 18th for the Region of Peel Wastewater Capacity Improvements in Central Mississauga EA Study.

The following link will be available for the next 21 days: https://sendafile.gmblueplan.ca/public_uploads/2021-02-05_203019_210118-PKG-Hydro_One_Consultation_Meeting.pdf

Let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, February 22, 2021 10:47 AM
To: greg.gowan@hydroone.com
Cc: Justin.Lee@peelregion.ca; Chris Campbell - GM BluePlan
Subject: RE: Region of Peel Central Miss EA - Preliminary Review Package

Hi Greg,

Thank you. We will process the payment for the review.

I have included a link below to the updated PDF with the requested measurements.
https://sendafile.gmblueplan.ca/public_uploads/2021-02-22_154347_2021-02-22_Hydro_One_Preliminary_Review_Submission_Updated_Draft.pdf

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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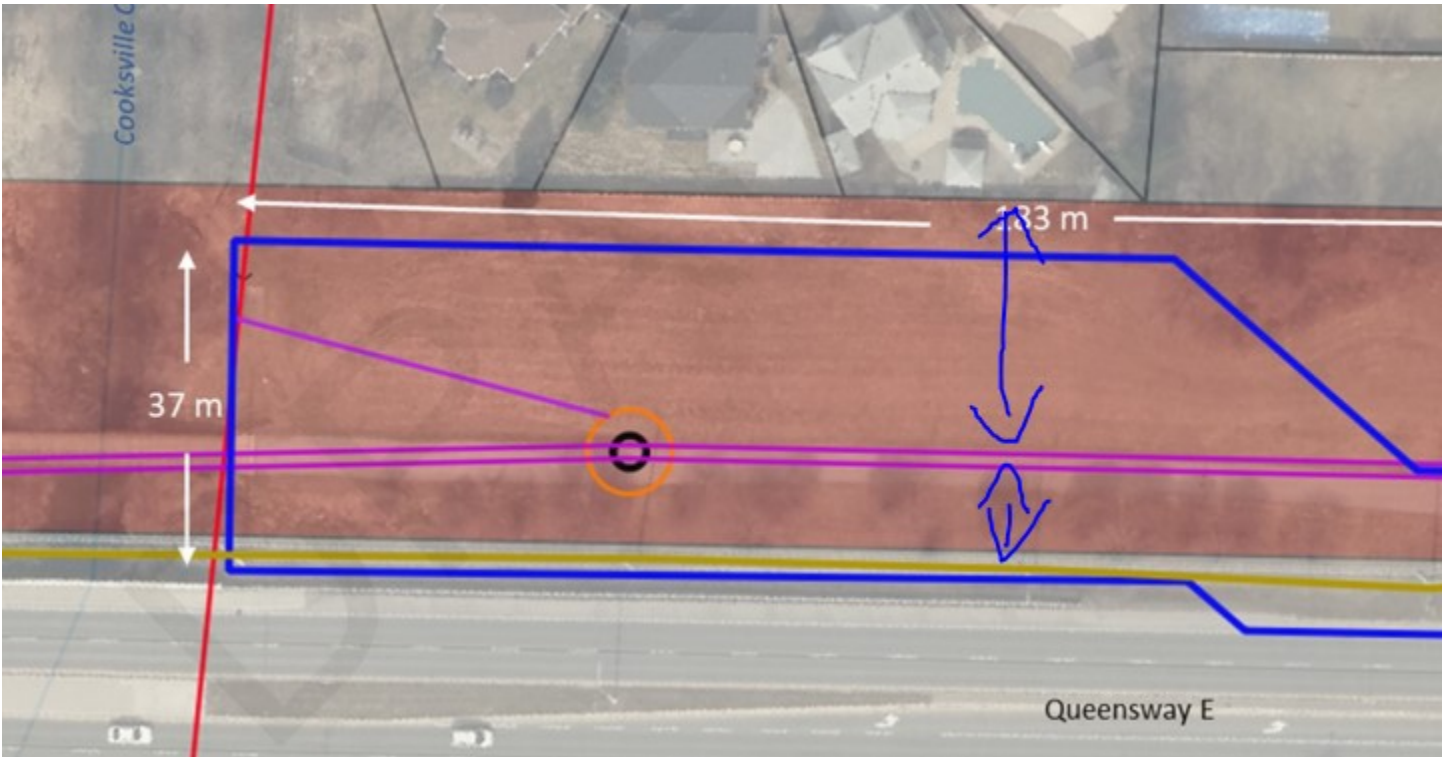
From: greg.gowan@hydroone.com <greg.gowan@hydroone.com>
Sent: Friday, February 19, 2021 3:52 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Justin.Lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Region of Peel Central Miss EA - Preliminary Review Package

Hi Sandra,

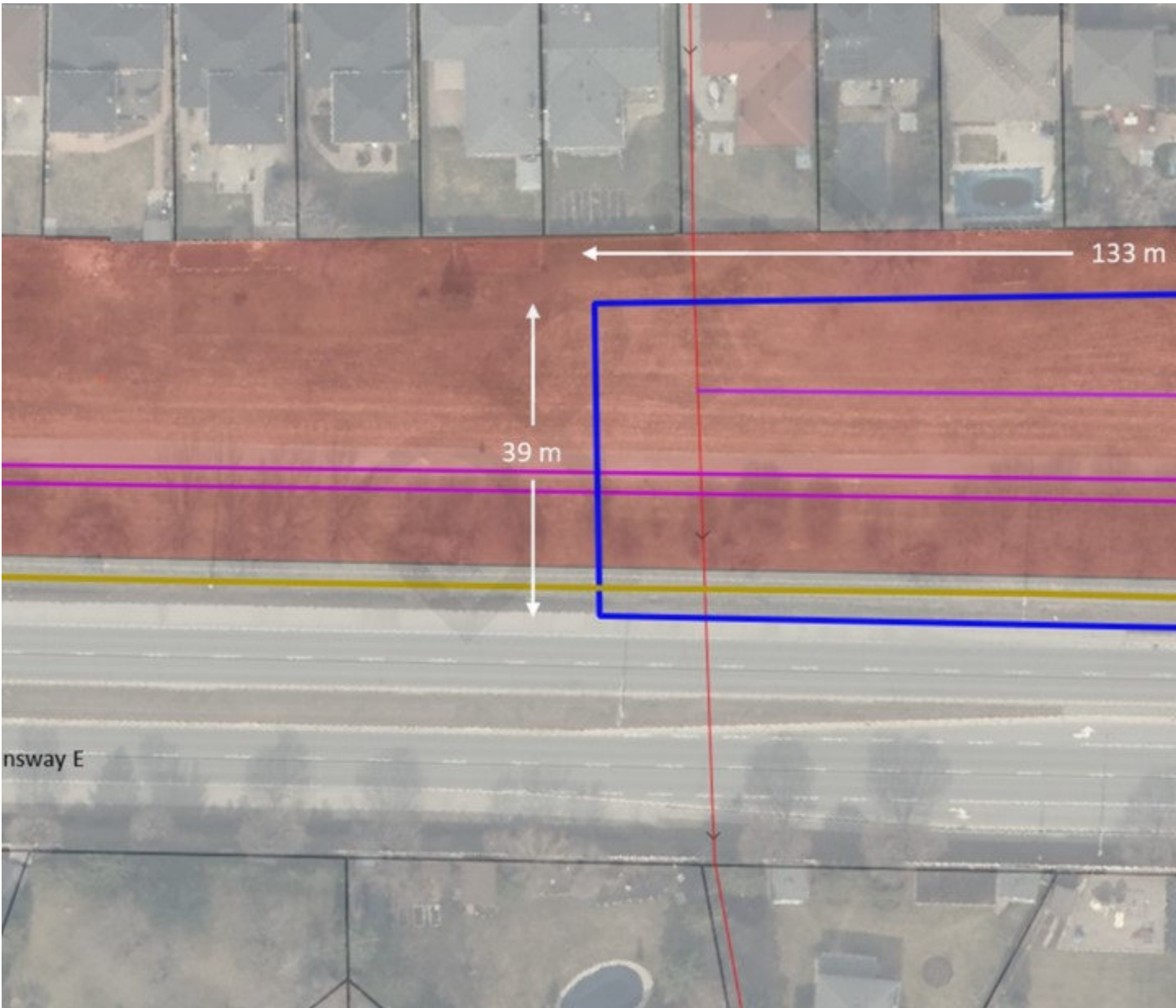
Thanks for providing. I think generally we have no major concerns with the design, but if I can recall from the last meeting we requested to see measurements from your proposed pipe to the north/south boundaries of our corridor. We'll need an idea of measurements so we can ensure we have sufficient room to install our future towers. I've provided some screen shot examples below.

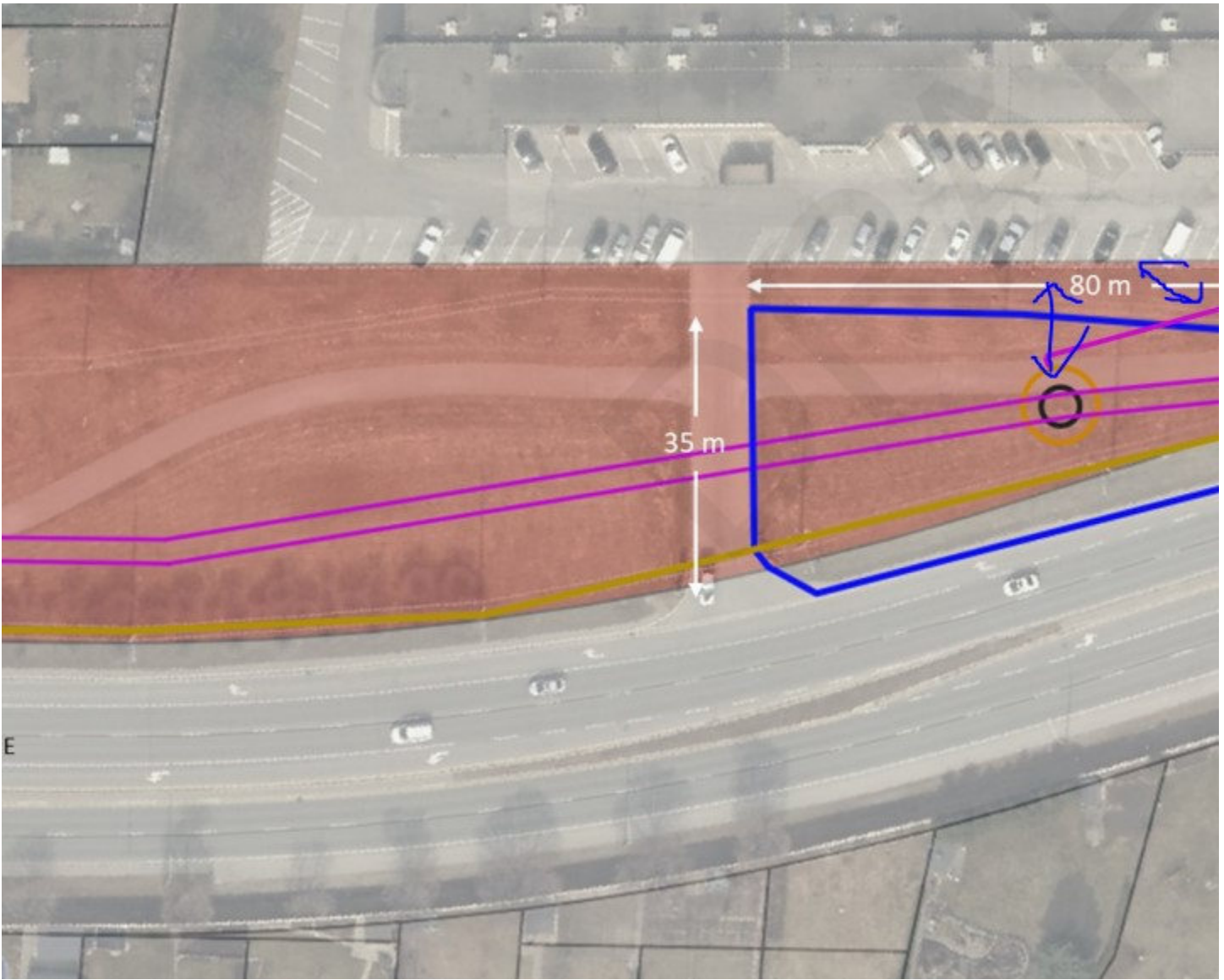
Furthermore, I'll require a \$1,500 + HST Engineering Review Fee submitted to Hydro One following the attached instructions to circulate the concept plans to provide comments back.

Thanks,









Greg Gowan
(416) 527-3487

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Friday, February 12, 2021 1:44 PM
To: GOWAN Greg <greg.gowan@hydroone.com>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: Region of Peel Central Miss EA - Preliminary Review Package

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Hi Greg,

I have provided a link below which includes our submission package for Hydro One's preliminary review of the conceptual alignment and shaft locations for the Region of Peel Wastewater Capacity Improvements in Central Mississauga EA.

<https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=https%3a%2f%2fsendafile.gmblueplan.ca%2fpublic%5fuploads%2f2021%2d02%2d12%5f184130%5f2021%2d02%2d12%5fRegion%5fof%5fPeel%5fCentral%5fMiss%5fEA%5f%2d%5fHydro%5fOne%5fPreliminary%5fReview.pdf&umid=DDC481A3-BB28-0605-96AC-1FAB8BD19AC2&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-f97067e03221cc23093d342ca39919fdebe84ac0>

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=DDC481A3-BB28-0605-96AC-1FAB8BD19AC2&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-498a4845628bb2e54edff63e5824bdc88b758935>



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This email and any attached files are privileged and may contain confidential information intended only for the person or persons named above. Any other distribution, reproduction, copying, disclosure, or other dissemination is strictly prohibited. If you have received this email in error, please notify the sender immediately by reply email and delete the transmission received by you. This statement applies to the initial email as well as any and all copies (replies and/or forwards) of the initial email



February 5, 2021

Our File: 718018

Mr. Greg Gowan
HydroOne Networks
483 Bay Street, North Tower, 15th Floor
Toronto, Ontario M5G 2P5

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

Dear Mr. Greg Gowan,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

Through a detailed evaluation, the project team has identified the preliminary preferred conceptual design concept for the proposed sewer alignments and tunnel shaft locations. The preliminary preferred conceptual design includes a proposed sewer alignment along Queensway Street East, from Hurontario Street to Etobicoke Creek. The depth of the proposed Queensway sewer alignment will require tunneled construction for the trunk sewer. The only surface works anticipated during construction are the tunnel entrance, exit and connection shafts and local sewer connections. Once the tunneling has been completed, the main staging areas will be returned to their original condition with a smaller area required for the manhole/chambers. The preliminary proposed works are indicated in the attached mapping.

We understand that Hydro One owns assets and manages land along Queensway Street East corridor. For the proposed alignment and shaft locations that fall within Hydro One lands, the Region of Peel would require both temporary (e.g. construction compound) and long term (e.g., along sewer alignments and manholes for access and maintenance) easements. As discussed during the project's consultation meeting with Hydro One team on January 18, 2020, we would like to request preliminary feedback for the conceptual design to identify any potential current or future Hydro One infrastructure conflicts to support our evaluation before presenting our preliminary strategy to the public at the end of March 2021.

The Region's team hopes that Hydro One can provide expedited commentary on conceptual level drawings to support the Class EA Schedule recognizing that further detailed design draws will be prepared based on Hydro One's feedback, that will be submitted to Hydro One for further review.

Furthermore, if any infrastructure conflicts with planned transmission towers along the Queensway corridor, we would like to request any next steps you can provide at this stage. Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Justin Lee, Project Manager, Region of Peel
encl. Attachment 1: Preliminary Preferred Alignment and Tunnel Shaft Conceptual Design Plan and Profile

Hydro One Secondary Land Use Technical Review Requirements and Completeness Checklist

This form must be completed and submitted to the appropriate Hydro One Real Estate Coordinator for all secondary land use proposals.

Each of the requirements below must be included in the submission (where applicable). If any of the items below is not checked the submitted plans will not be circulated for technical review, unless a valid reason is provided in the “Notes” column.

SLU Proposal Details		
Applicant Name:		
Mailing Address:	Phone Number(s):	
	Email:	
Property Location (Address/Intersection):		
Description of Secondary Land Use:		
Plan/Drawings Number and Dates:		
Drawing/Plan Completeness Checklist		
		Notes
<i>Drawings, Plans and Maps Requirements</i>		
	Cover letter providing detailed description of the project	
	A key map showing the Proponent’s overall project area	
	Plan-view drawing(s) (see specific requirements below)	
	Profile/sectional-view drawing(s) (see specific requirements below)	
<i>Plan-View Drawing Requirements</i>		
	All existing and proposed works/infrastructure on the transmission corridor shown and clearly labeled	
	Hydro One transmission corridor boundaries shown in colour	
	All transmission structures affected by the proposal shown and clearly labeled	
	6 m access route through the corridor shown in colour	

	15 m maintenance exclusion zones around each affected tower (measured from the face of the tower legs) shown in colour	
	10 m construction exclusion zones around each affected tower (measured from the face of the tower legs) shown in colour	
	Distances between the tower legs and any proposed works/infrastructure on the corridor shown and clearly labeled	
	Cross-sections clearly labeled	
	Legend(s)	
	For resubmissions, any changes from previous submissions are clearly marked/labeled	

<i>Profile/Sectional-view Drawing Requirements</i>		
	Existing and proposed elevations shown in different colours and clearly labeled	
	Any proposed works/infrastructure clearly labeled	
	All applicable heights clearly shown and clearly labeled	
	Hydro One transmission corridor boundaries shown in colour	
	All transmission structures affected by the proposal shown and clearly labeled	
	Distances between affected transmission structures and any proposed works/infrastructure shown and clearly labeled	
	10 m and 15 m exclusion zones from each transmission tower leg shown in colour	
	Legend(s)	

SECONDARY LAND USE PROPOSAL SUBMISSION REQUIREMENTS IN AND AROUND HYDRO ONE TRANSMISSION CORRIDORS

Hydro One strives to work with proponents to review secondary land use proposals on the ROWs to ensure they are compatible with the safety and maintenance requirements of its high-voltage equipment. The Hydro One transmission network can consist of steel lattice towers, monopoles, twin wood poles, overhead conductors and underground cable ducts. Our transmission lines conduct electricity at 115kV, 230kV or 500kV.

Technical reviews for each proposal must be completed by Hydro One. These reviews may require several weeks or months to complete depending on the complexity of the proposal. Currently our turnaround time is about 12 – 16 weeks. Resubmissions may require the same timelines. Hydro One technical reviews must be approved and occupation agreements in place prior to any construction work. Detailed drawings that need to be submitted include: site plan, grading, drainage, lighting, landscaping, signage (including any other above grade structures) and profiles for underground works. Additional drawings may be requested but please do not send them to us unless we have asked for them.

To effectively review and provide comments, your proposal must include the following information:

- **LAND/EASEMENT PROPERTY LINES:** On the site plans indicate and label property lines of the Hydro One right-of-way in RED. Label the ROW as Hydro One Transmission (not Open Space).
- **HYDRO ONE STRUCTURES:** Illustrate and label all Hydro One structures and the overhead centreline of the towers. The Real Estate Coordinator can provide Hydro One structure numbers.
- **GRADES and DRAINAGE:** Indicate existing and proposed grades. Grading changes must not result in standing water anywhere along the corridor, and especially not within 15 metre radial zone of transmission structures.
- **MAINTENANCE ACCESS ROUTE:** Indicate and label a 6 metre wide Hydro One maintenance access route to each Hydro One structure.
- **MAINTENANCE ZONE and CONSTRUCTION EXCLUSION ZONE:** Indicate and label a 15 metre radial maintenance work zone and a 10.0 metre radial construction exclusion zone around each Hydro One structure measured from the tower footings. If any proposed infrastructure is contemplated within this 15 metre zone, the distance from the edge of the proposed infrastructure to the edge of the nearest tower footing must be shown.
- **LIGHTING:** Keep lighting as far away from our circuits as possible, toward the outer edge of the corridor. The locations and the height of each light post must be clearly illustrated and described.
- **LANDSCAPING:** Plantings which grow to a maturity height over 3 metres are not permitted on the ROW. Hydro One has a *Compatible Species List* which can be provided.
- **RESUBMITTED DRAWINGS:** If a resubmission of drawings is required, the revised drawings must include “bubbles” over the areas where changes were made to help us identify the areas that need to be reviewed.

Contact Hydro One Real Estate Services at 1.888.231.6657 for the Real Estate Coordinator for your municipality. The Real Estate Coordinator arranges for Hydro One review of your proposal, advises of documentation and prepares the Agreements.

TECHNICAL CONSIDERATIONS FOR SECONDARY LAND USE PROPOSALS ON HYDRO ONE TRANSMISSION CORRIDORS

Your project may involve proposed works on Hydro One electrical transmission corridors or rights-of-way (ROW). Hydro One will work with proponents to review secondary land use proposals on the ROWs to ensure that they are compatible with the safety and maintenance requirements of its high-voltage equipment. The Hydro One transmission network can consist of steel lattice towers, monopoles, twin wood poles, overhead and underground conductors, etc.

When preparing a proposal, there are a number of technical considerations that should be kept in mind. A number of these are outlined below. Please note that this is not intended to be a comprehensive list of requirements, but aims to serve as a guideline to prepare a proposal. Reviews for each proposal are conducted individually by Hydro One and may require several weeks or months to complete depending on the complexity of the proposal.

Technical Considerations:

Grading, Drainage and Stormwater Management

- Grading changes must not result in standing water anywhere along the corridor, and especially not within the 15 metre radial zone of transmission structures.
- No fill material may be placed on the ROW without written approval from Hydro One.
- Catch basins that are not positioned within a paved roadway are not permitted.
- Stormwater management (SWM) ponds placed under 115 and 230 kV transmission lines cannot exceed two-thirds of the corridor width.
- SWM ponds under 500 kV transmission lines cannot exceed one-third of the corridor width.
- SWM ponds must be designed to withstand the effects of 100-year storm conditions.

Roads and Parking

- Roads crossing the ROW should be perpendicular to the hydro corridor.
- Roads off ROW should stay 15 metre clear of transmission structures.
- Curb cuts or access gates should be provided for Hydro One maintenance vehicles.
- Parking facilities on 115 kV and 230 kV ROWs should be restricted to passenger vehicles only. Large truck and trailer parking is generally not permitted.
- Parking facilities are generally not permitted under 500 kV ROWs.
- Transmission towers near roads and parking areas must be protected by standard highway barriers.

Vertical Clearances

- Transmission conductors (wires) are dynamic in nature. They can sag lower to the ground depending on parameters such as ambient temperature and operating conditions.
- Minimum vertical clearances must be maintained from the maximum design sag levels of the conductors (worst-case scenario). Hydro One will review these clearances as they are case-specific and not immediately apparent by observation alone.

Access to Structures

- An unhindered, minimum 6-metre wide access path to facilities on the corridor must be provided for maintenance vehicles.
- A 15 metre clear working radius around transmission structures is required in order to maintain access for vehicles carrying out routine maintenance.
- A 3 metre radius around each tower footing must be left unpaved for access to the footing.

Pipelines & Underground Facilities

- All underground facilities must be designed to withstand the loading conditions created by heavy maintenance vehicles that may be used by Hydro One.
- The ROW must be restored to pre-construction condition once the project is completed.
- Excavation using heavy machinery is prohibited within 10 metres of tower footings to protect foundations. Within 10 metres, excavation must be carried out by hand or by use of a VAC system.
- Pipelines on ROWs must adhere to the provisions of CSA Standard C22.3 No. 6.

Landscape Plantings

- Plantings which grow to a maturity height over 3 metres are not permitted on the ROW. Hydro One has a 'Compatible Species List' which will be provided as applicable. It must be noted that plantings should not be planted in such a way as to impede access to the transmission towers. An area of 15 metres around transmission towers should be kept clear of shrubs to permit Hydro One access to towers.

Other Requirements

- Buildings and permanent structures are not permitted on corridor lands.
- Flammable or hazardous materials may not be stored on ROWs.
- Consideration should be given to minimizing the use of conductive (metallic) material where alternatives exist (e.g. fences).
- The proponent is responsible for all costs of modifying, relocating, or monitoring Hydro One assets as a result of the proposal.
- Grounding studies, induction studies, spark discharge and / or step touch potential studies may be required to confirm that the proposal will not conflict with the Hydro One electrical infrastructure. .

Property Rights: Who is the landowner?

- Transmission corridor lands can be owned by private landowners, Municipalities, Province of Ontario (Infrastructure Ontario), railway companies, and First Nations and Métis communities.
- Hydro One Networks Inc. owns the transmission components/network.
- Hydro One Networks Inc. has rights either registered on land title or by legislation to operate the transmission network.

Property Rights: What Agreements do you require?

Contact Hydro One Real Estate Services at 1.888.231.6657 for the Real Estate Coordinator for your municipality. The Real Estate Coordinator arranges for Hydro One review of your proposal, advises of documentation and prepares the Agreements.

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

Hydro One Preliminary Review of Conceptual Design

February 12, 2021






The following plan and profiles are based on the conceptual design of the proposed wastewater sewer alignment and construction compounds developed through the Class Environmental Assessment Process.

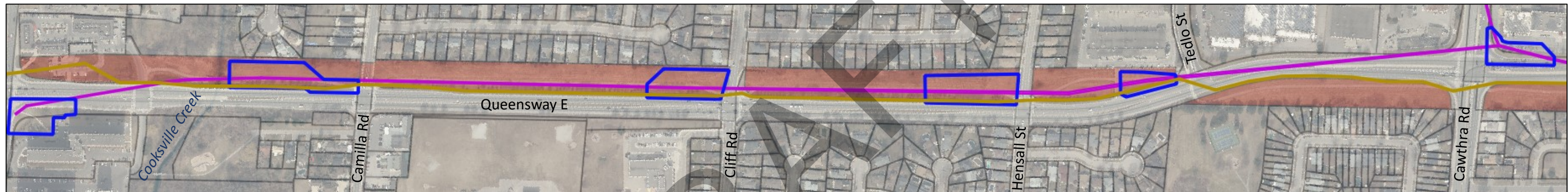
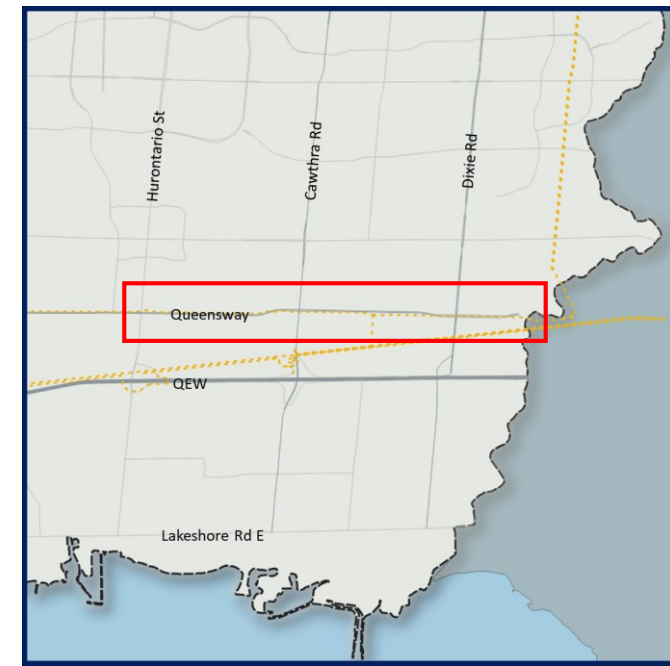
The proposed wastewater sewer alignment and construction compounds are conceptual and still under review and will be further refined through the preliminary design stage.

The Region of Peel and GM BluePlan are requesting a preliminary review of the following conceptual design to determine if there are any Hydro One land/infrastructure conflicts to address before moving to the next stage of the design process.

DRAFT

Key Map of Overall Project Area

-  Construction Compound
-  Hydro One / IO Owned Land
-  Proposed Sewer Alignment
-  Hydro One Overhead Power Lines
-  Alectra Overhead Power Lines

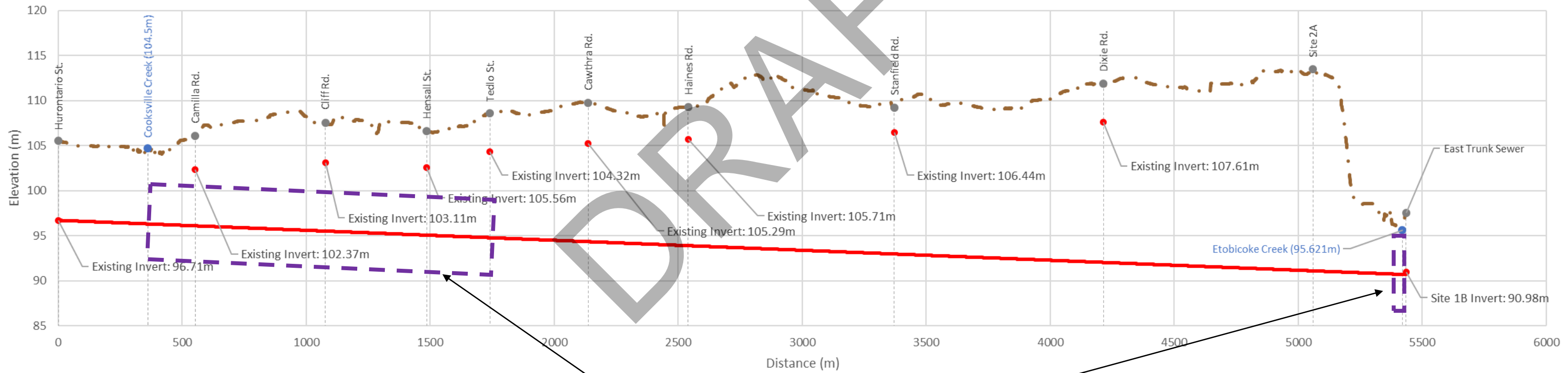


Alignment Profile



Queensway East

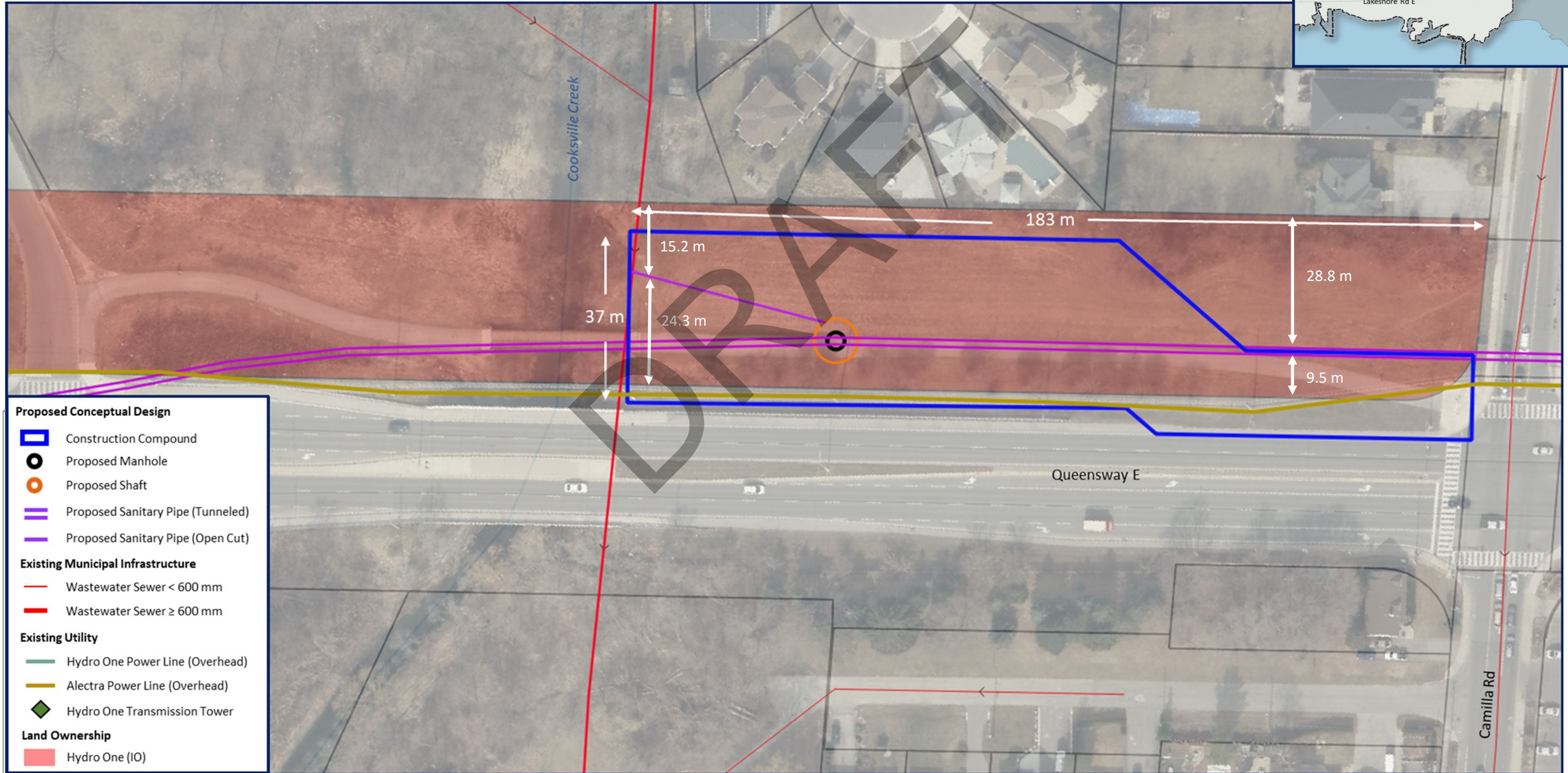
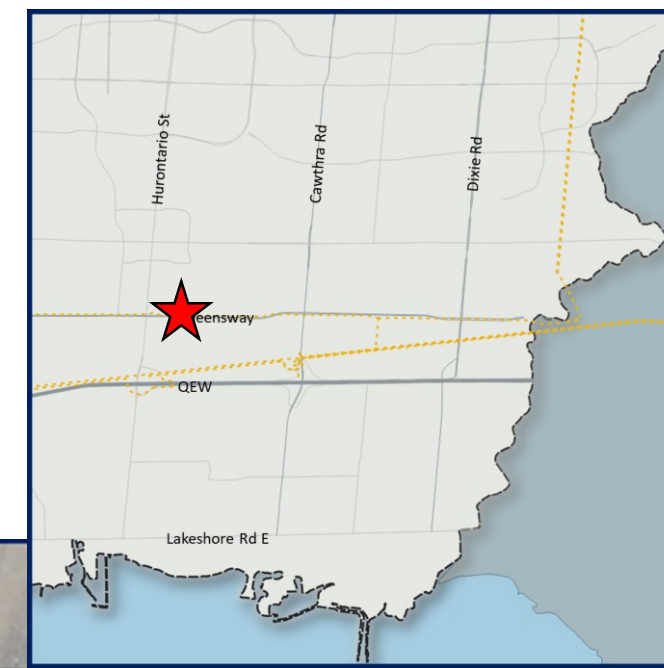
Queensway Sewer (Hurontario - East Trunk) 2A to 1B



Hydro One Land Crossing

Queensway and Cooksville Creek/Camilla - Plan

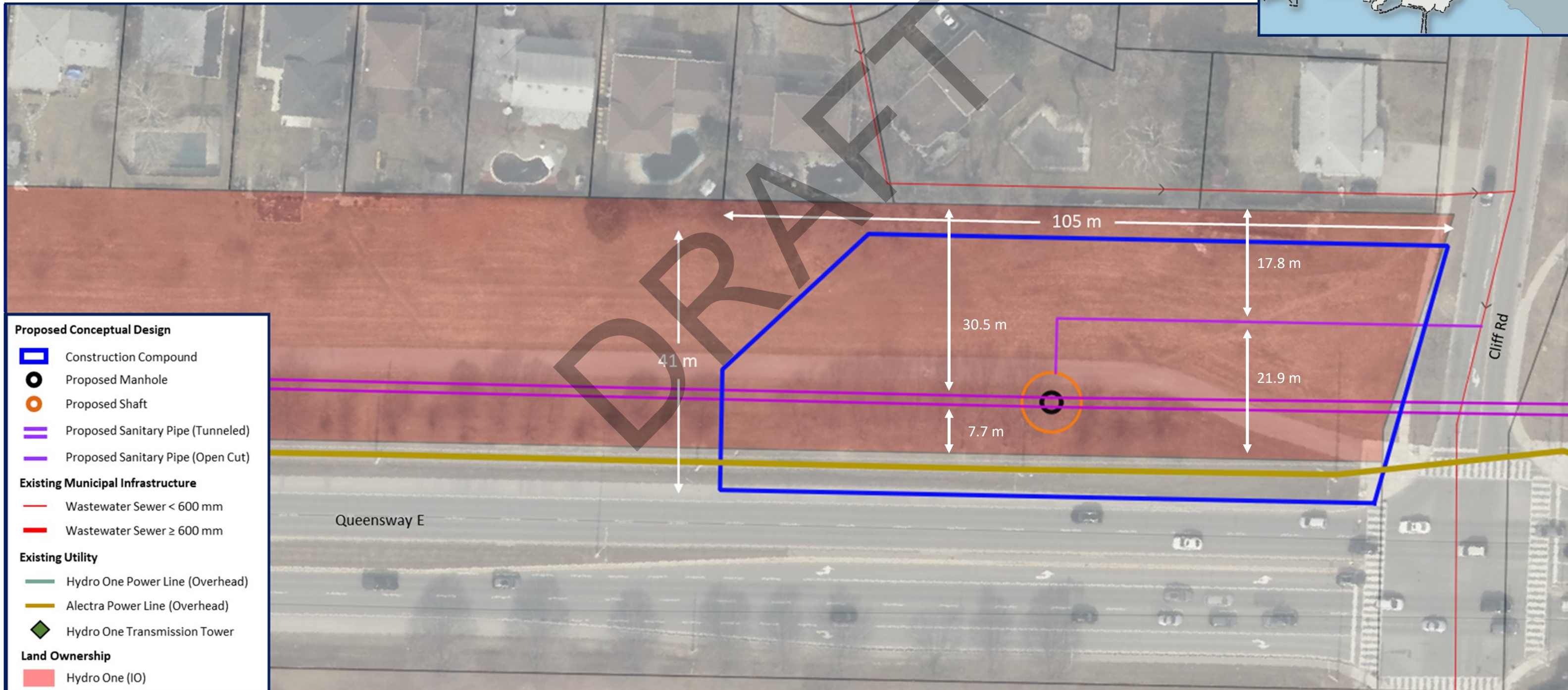
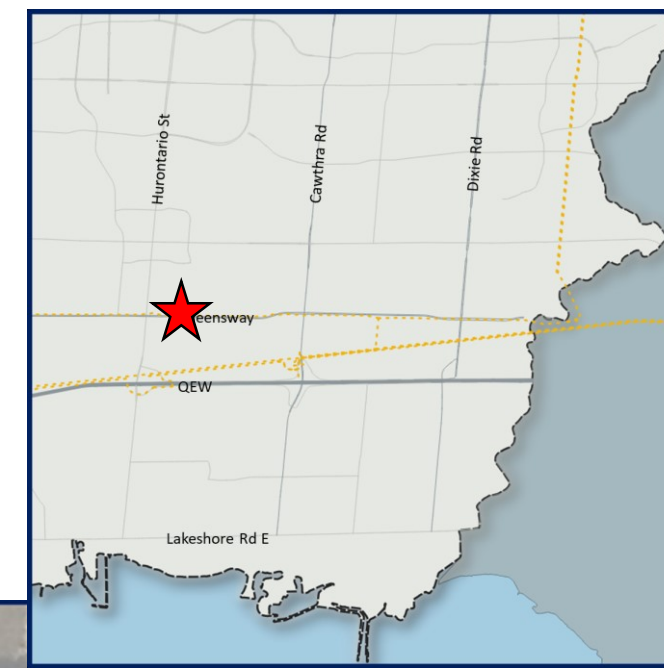
- The following easements will be required:
 - Temporary easement for the construction compound (conceptual design to be further refined)
 - Permanent easement for the alignment and manhole



Proposed Conceptual Design	
	Construction Compound
	Proposed Manhole
	Proposed Shaft
	Proposed Sanitary Pipe (Tunneled)
	Proposed Sanitary Pipe (Open Cut)
Existing Municipal Infrastructure	
	Wastewater Sewer < 600 mm
	Wastewater Sewer ≥ 600 mm
Existing Utility	
	Hydro One Power Line (Overhead)
	Alectra Power Line (Overhead)
	Hydro One Transmission Tower
Land Ownership	
	Hydro One (IO)

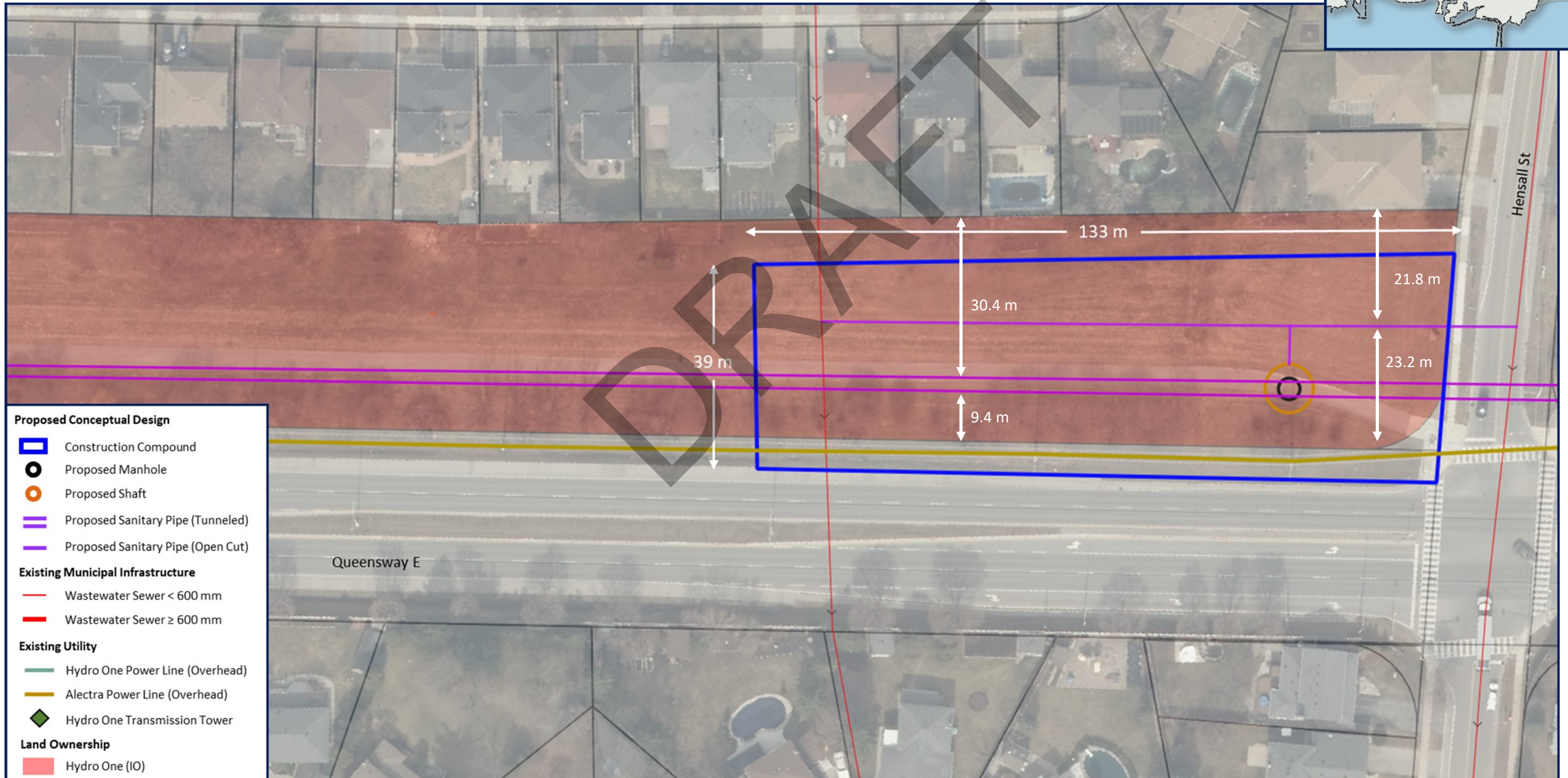
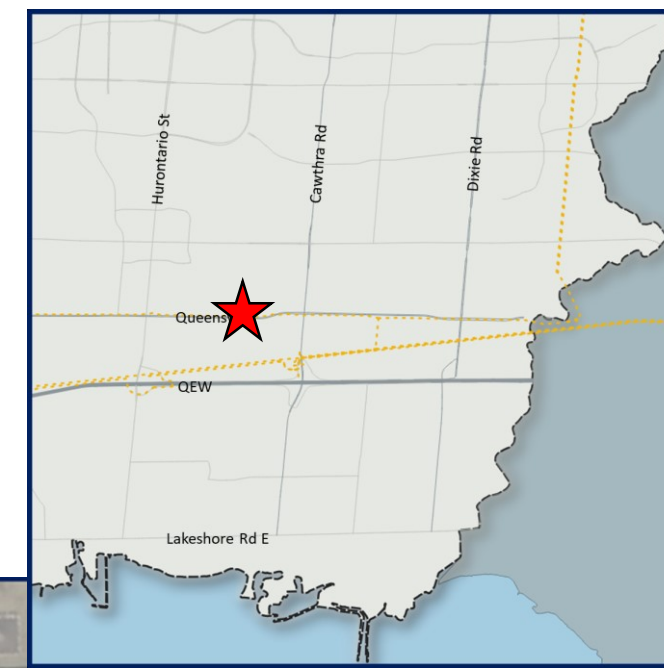
Queensway and Cliff - Plan

- The following easements will be required:
 - Temporary easement for the construction compound (conceptual design to be further refined)
 - Permanent easement for the alignment and manhole



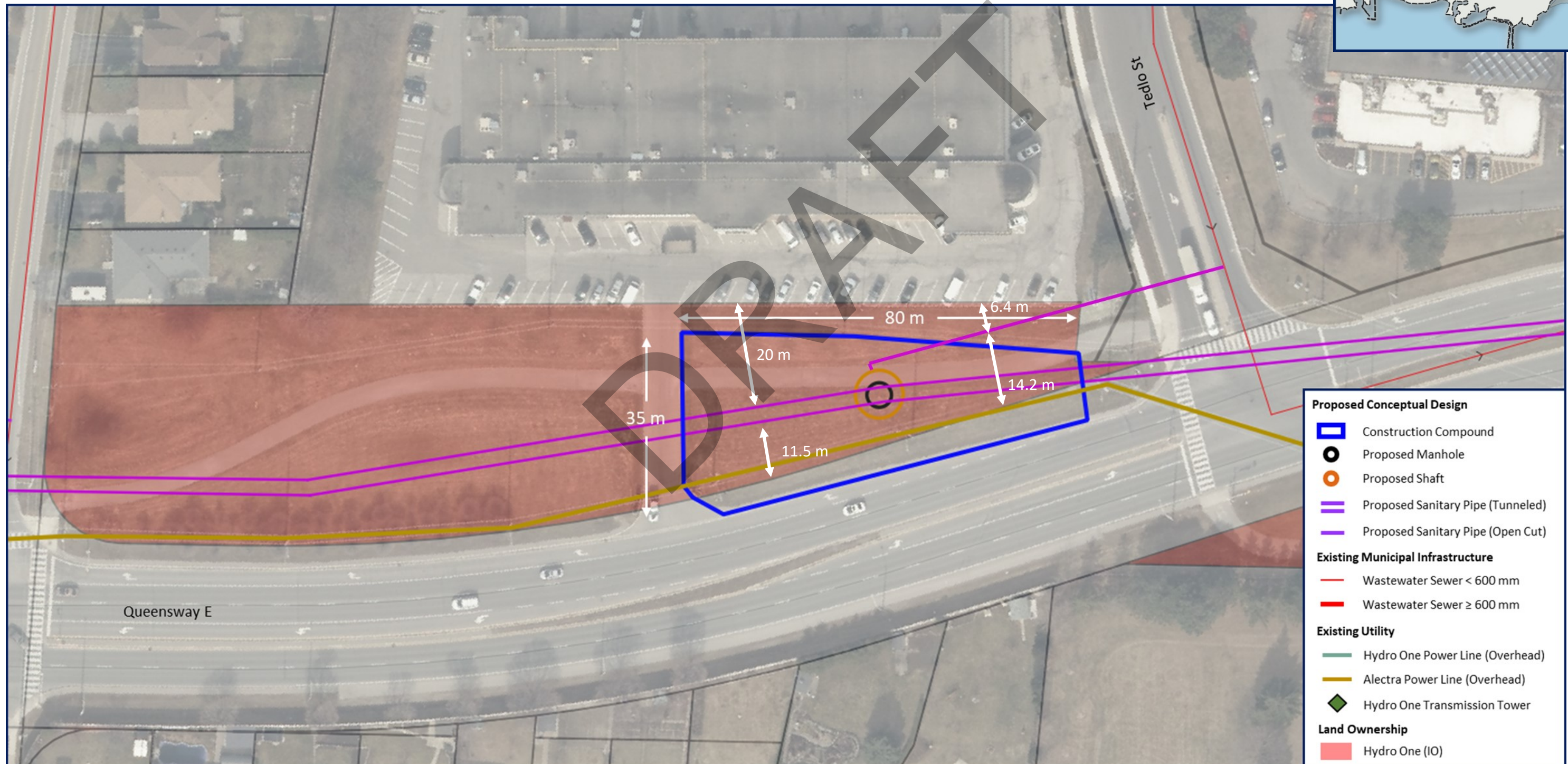
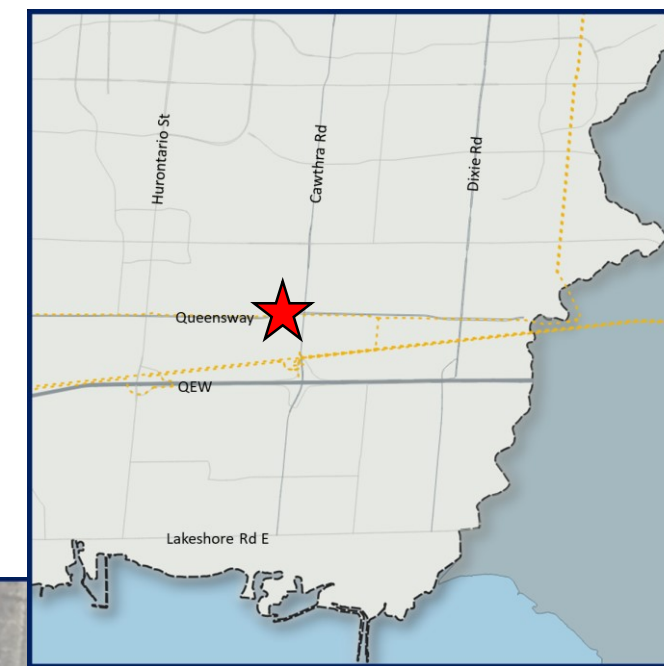
Queensway and Hensall - Plan

- The following easements will be required:
 - Temporary easement for the construction compound (conceptual design to be further refined)
 - Permanent easement for the alignment and manhole



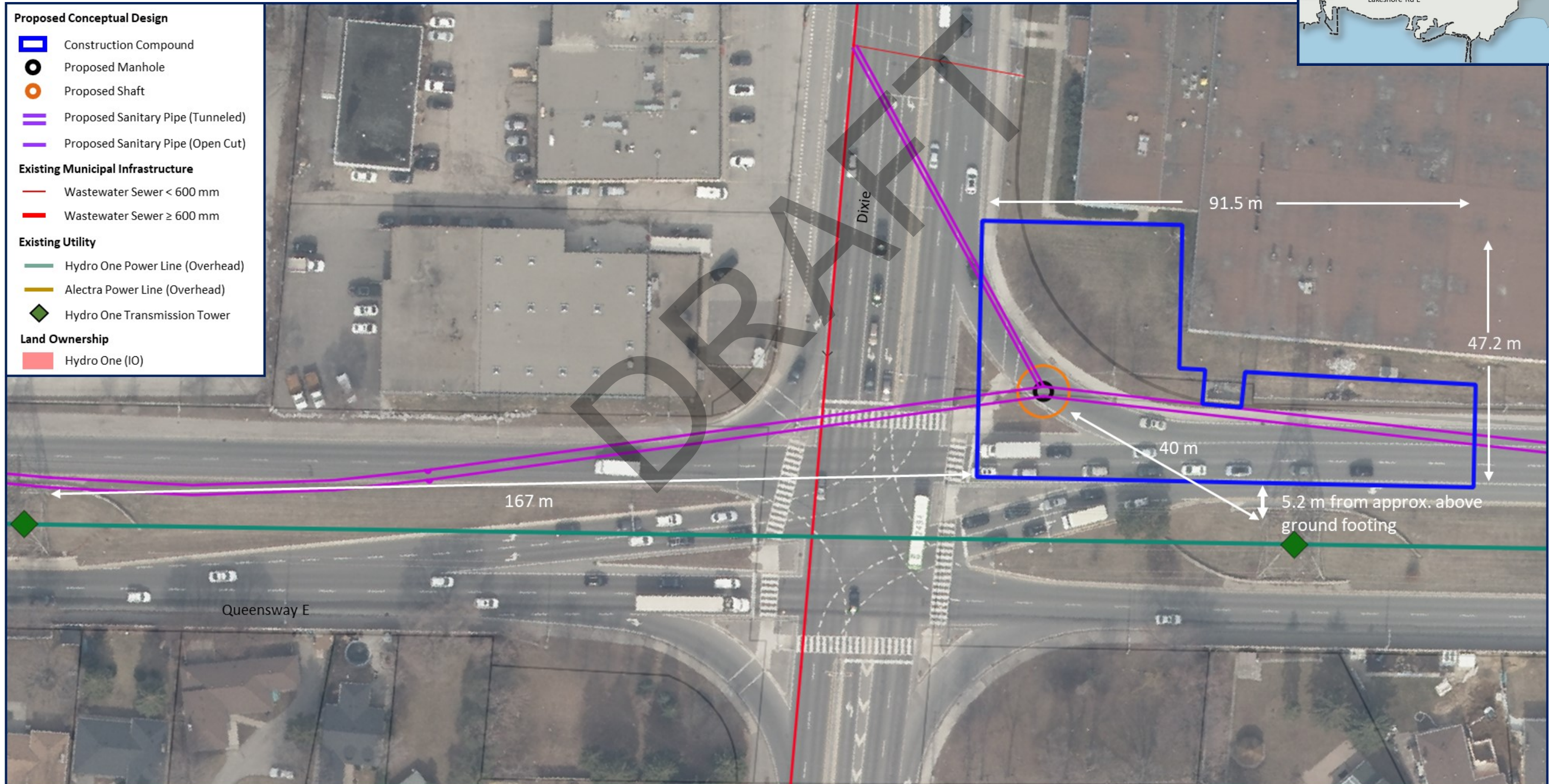
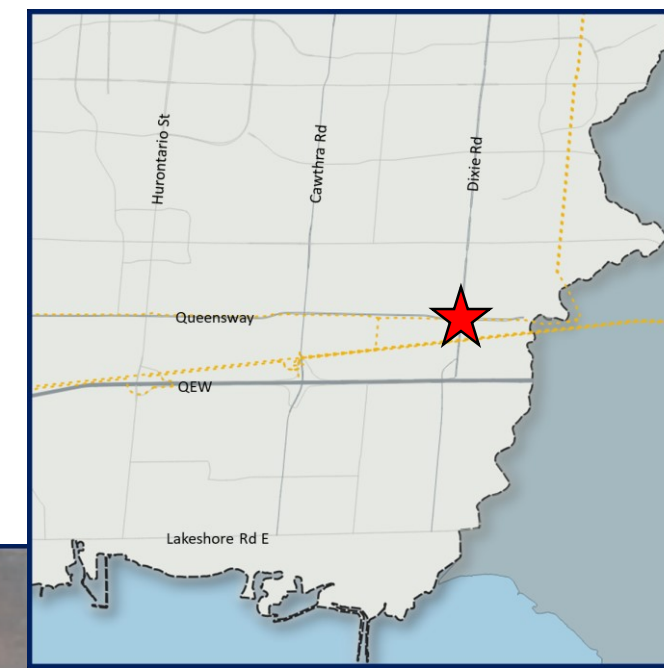
Queensway and Tedlo - Plan

- The following easements will be required:
 - Temporary easement for the construction compound (conceptual design to be further refined)
 - Permanent easement for the alignment and manhole



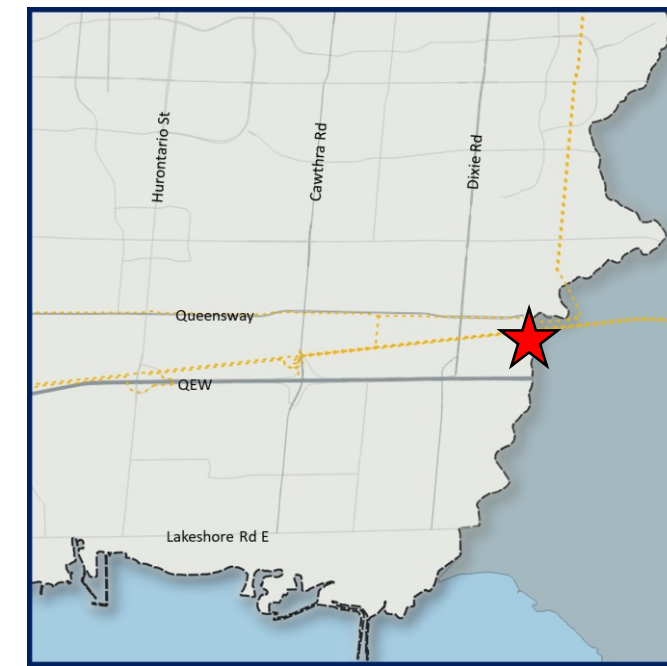
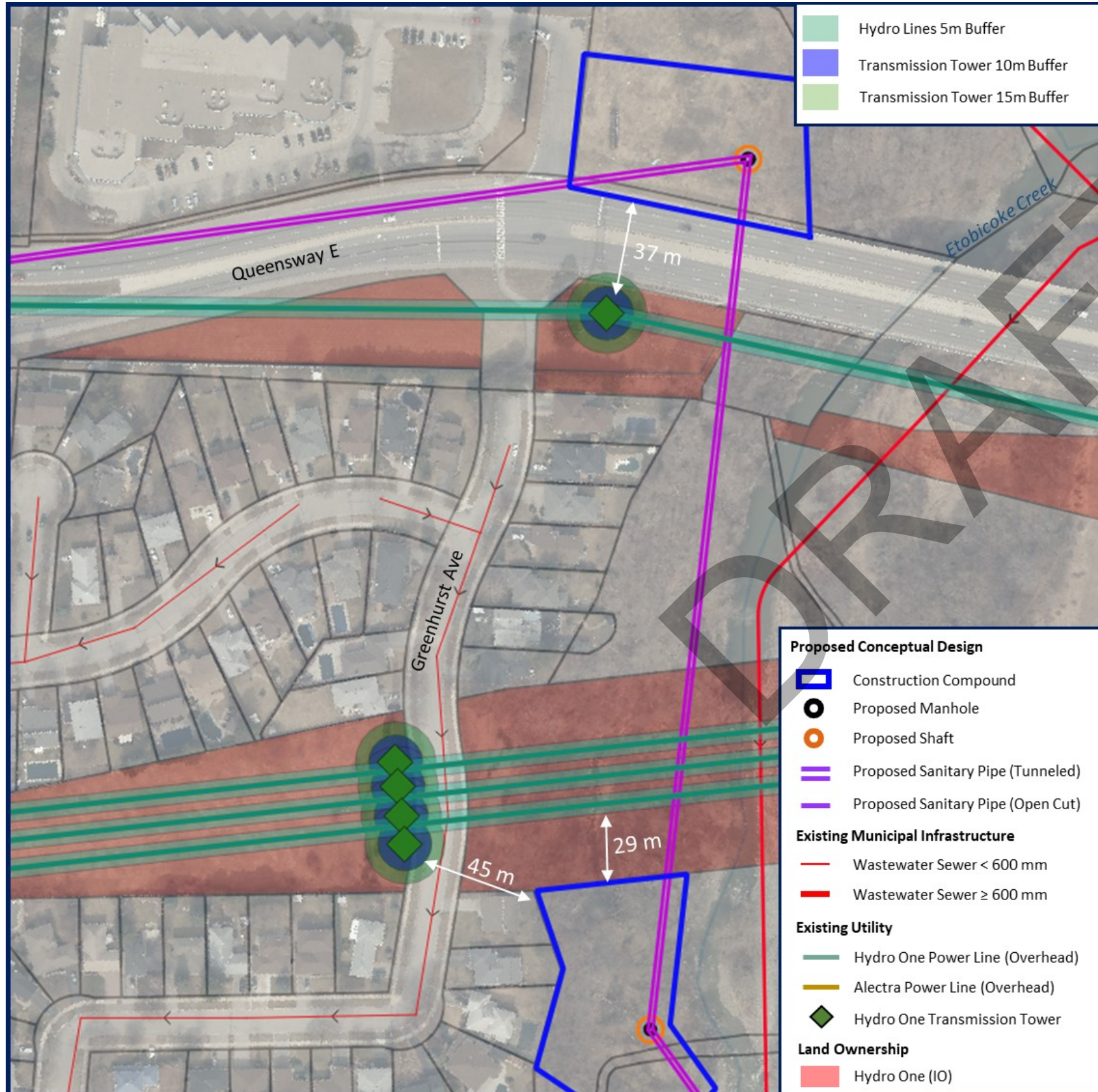
Queensway and Dixie - Plan

- Construction compound and alignment not located on Hydro One/IO lands

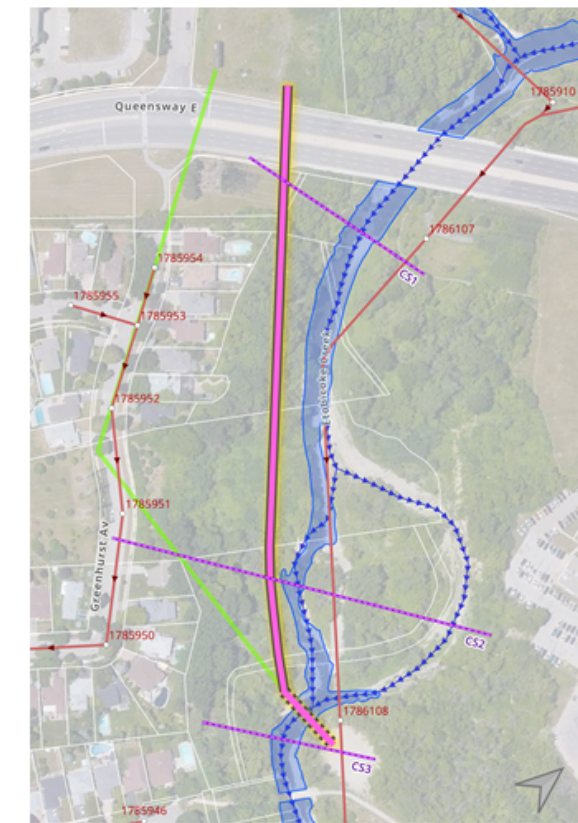
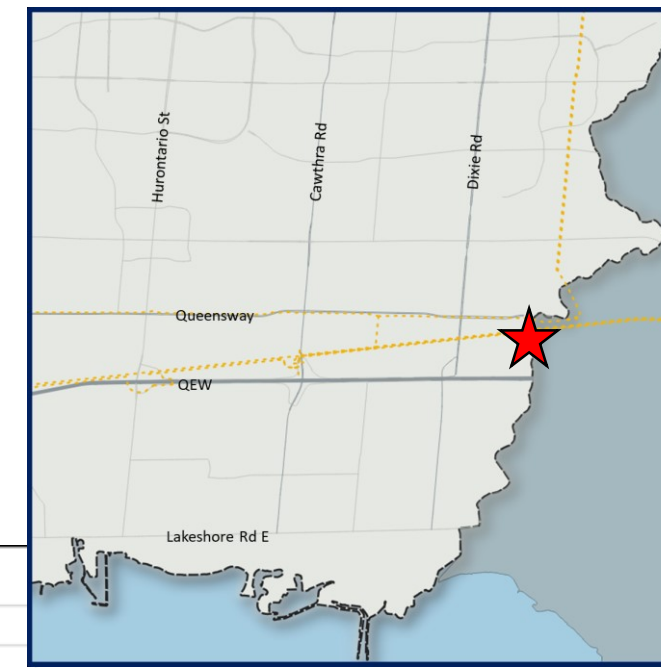


Queensway and Etobicoke Creek Preliminary Preferred – Plan

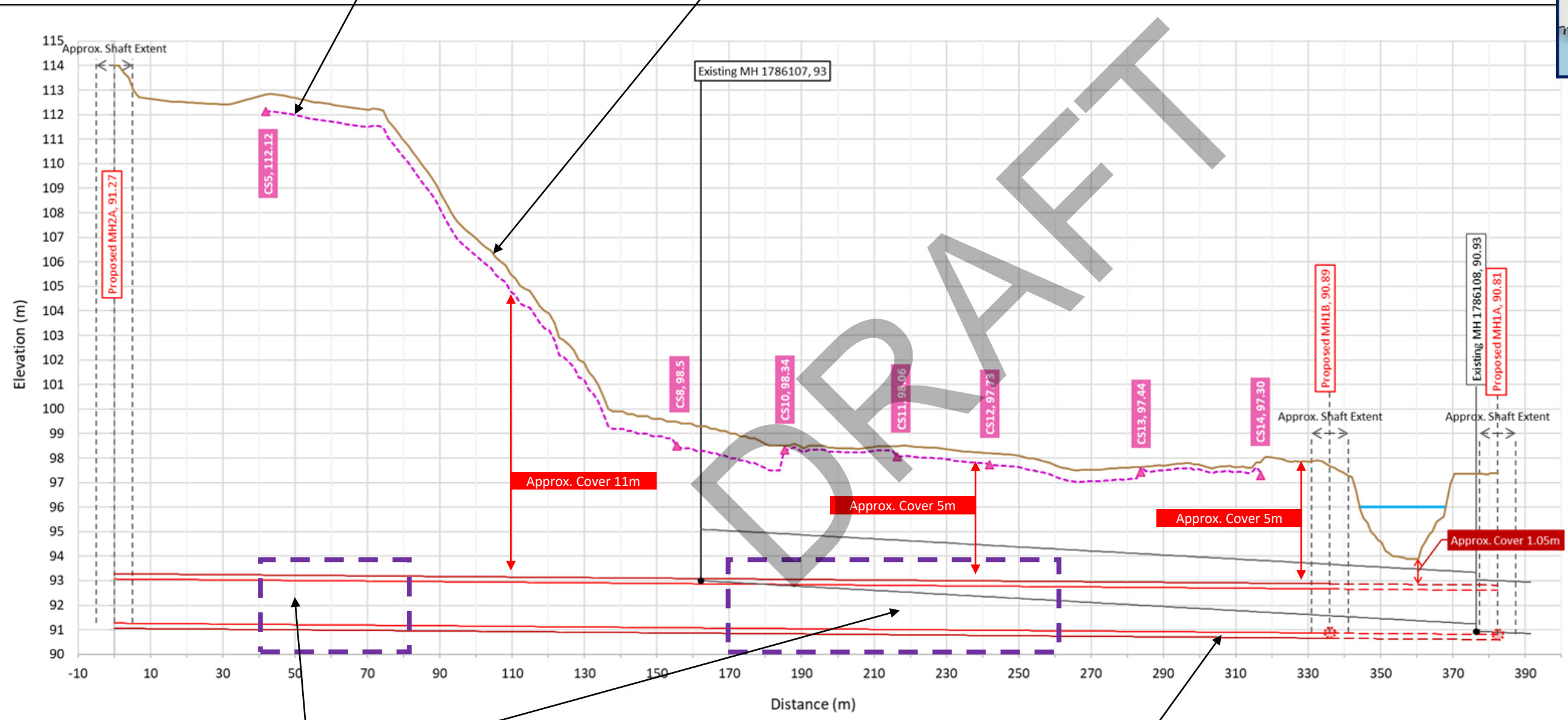
Etobicoke Creek Valley



Queensway and Etobicoke Creek Preliminary Preferred - Profile



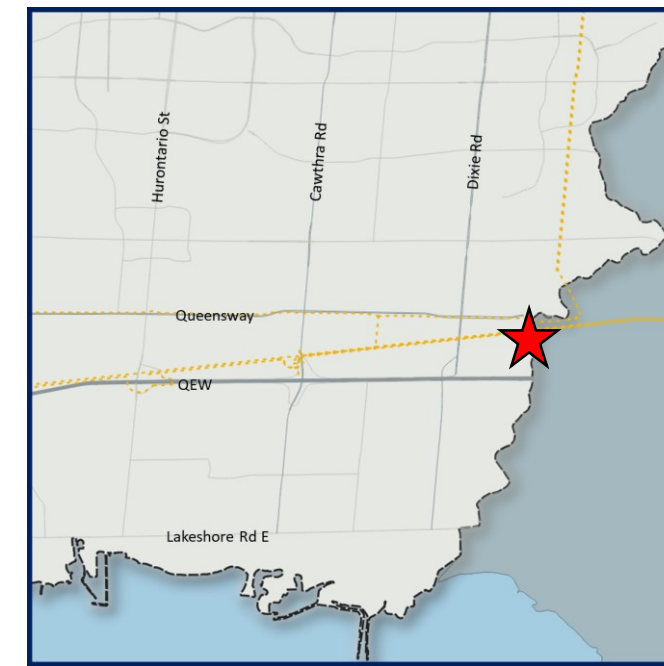
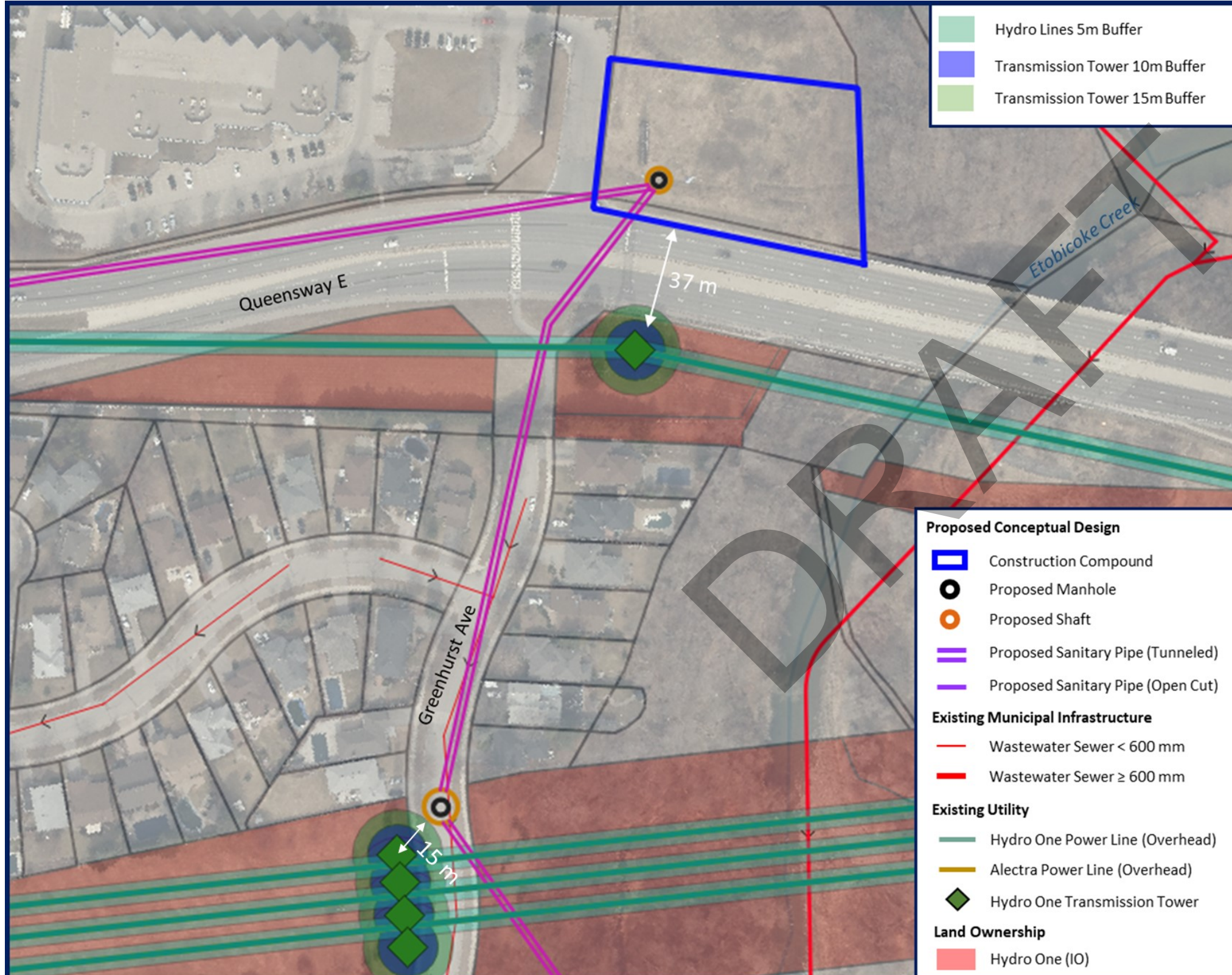
Etobicoke Creek Valley



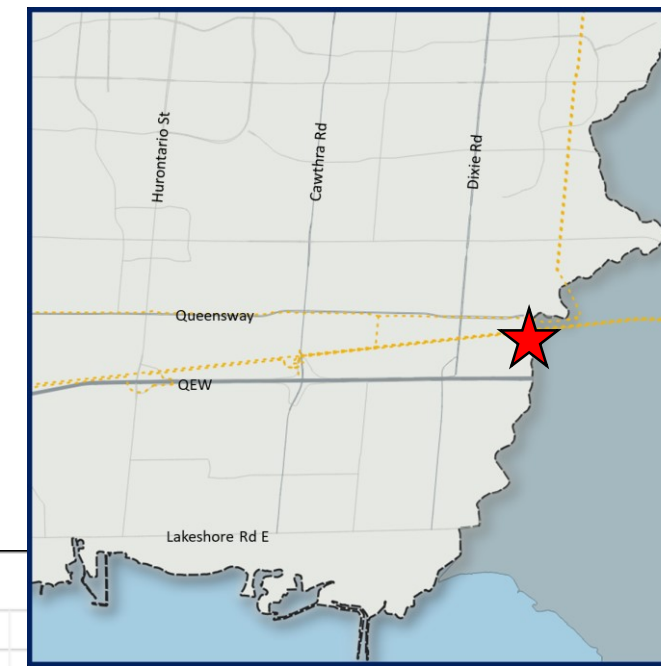
DRAFT

Queensway and Etobicoke Creek Alternative – Plan

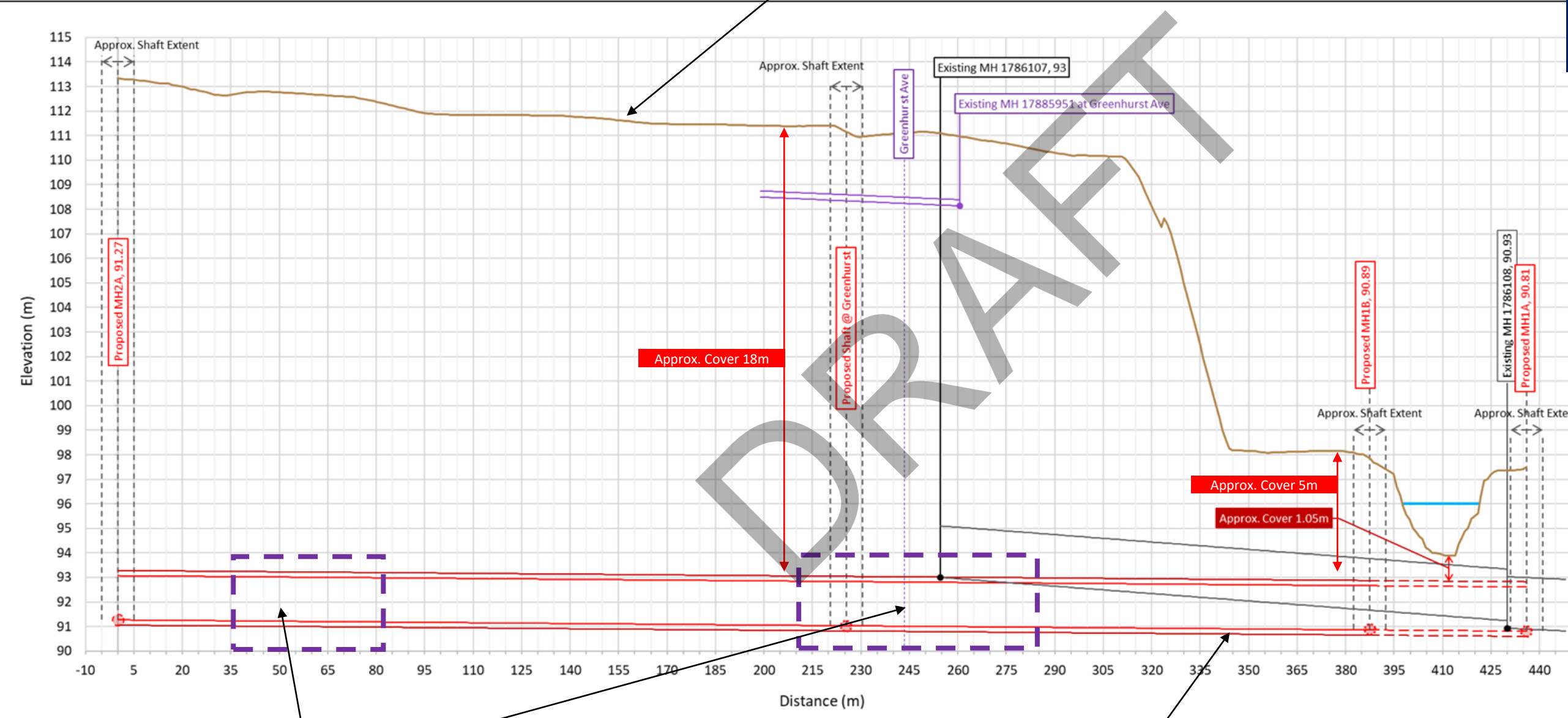
Greenhurst Avenue



Queensway and Etobicoke Creek Alternative – Profile



Greenhurst Avenue



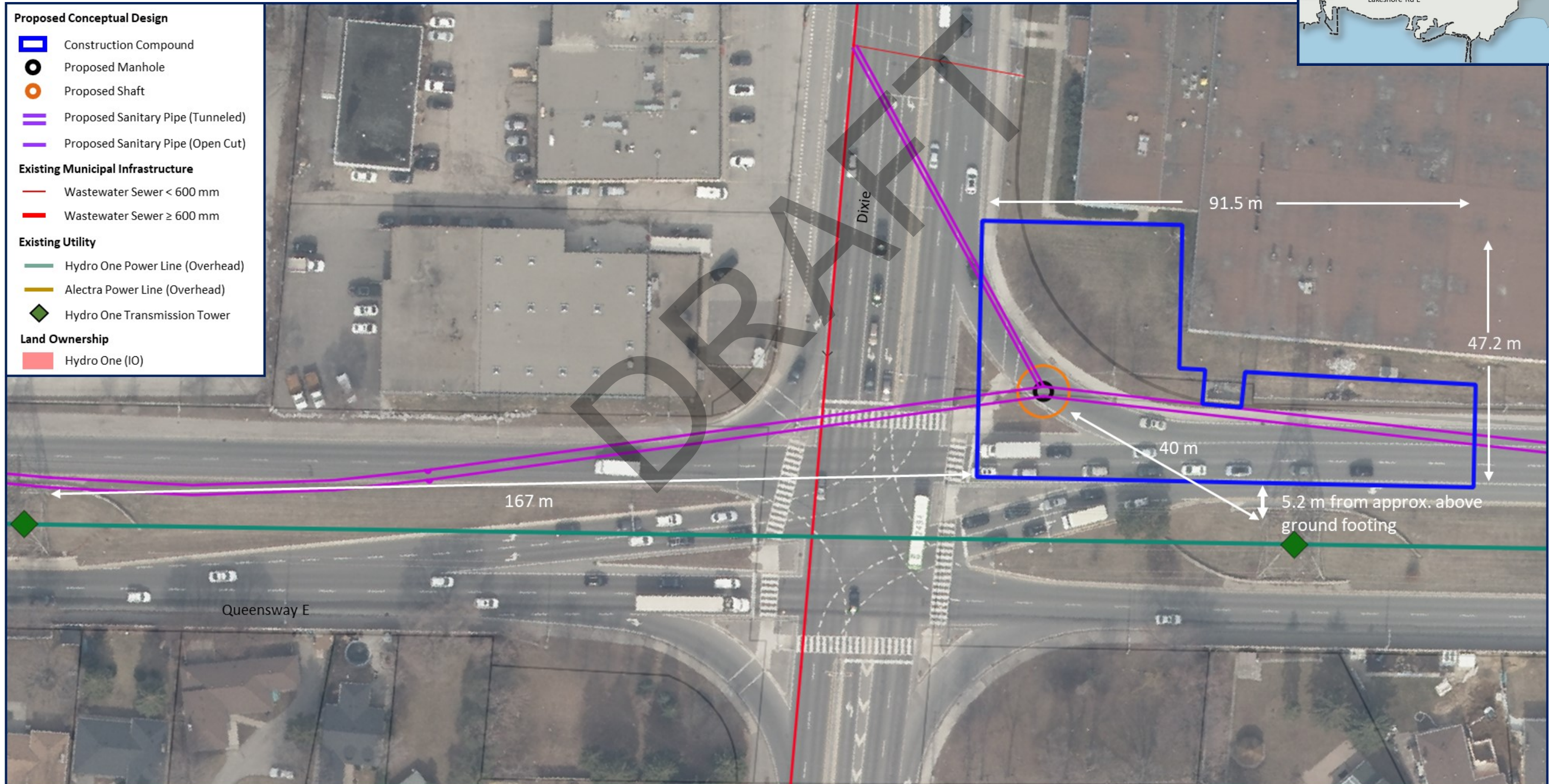
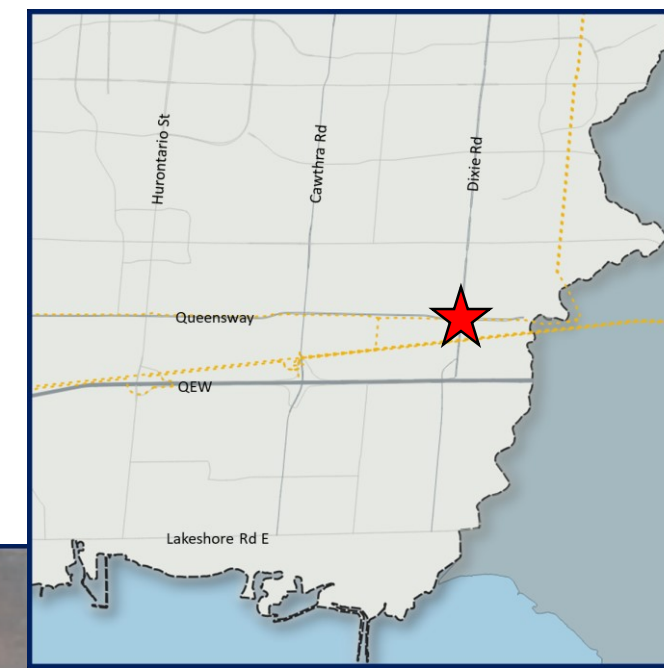
Hydro One Land Crossing

Proposed Conceptual Sewer Alignment

1800 mm (inner ring)
2224 mm with liner (outer ring)

Queensway and Dixie - Plan

- Construction compound and alignment not located on Hydro One/IO lands



Sandra Anastasio - GM BluePlan

From: greg.gowan@hydroone.com
Sent: Monday, March 08, 2021 2:45 PM
To: Sandra Anastasio - GM BluePlan
Cc: Janet.O'Brien@HydroOne.com
Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment
Attachments: image012.emz
Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sandra,

Hydro One has completed our preliminary review of the Central Mississauga Wastewater System sewer proposed on the Hydro One corridor lands. We have some comments that will need to be addressed during detailed design in order to provide approval. Please reference the comments below. I've also included our general terms and conditions for your reference that will need to be accounted for while completing the detailed design and during the construction on the Hydro One lands.

Let me know if you have any questions.

Thanks,

Specific Conditions/Comments:

- There is a concern about tunnels close to our structures and their potential impact on the foundations.
- Though tunnel and tower line seem to be sufficiently separated along Queensway, tunnel comes close to our tower on the west side of Dixie.
- Provide plan view clearly showing power lines and tunnels with reference to each other with dimensions.
- Provide settlement analyses and zone of influence curve for tunnel. Alternatively, a settlement magnitude at the location of towers during tunneling operation can be sent.

General Conditions:

Horizontal Clearance Around Hydro One Structures

- A 3.0 meter radius around Hydro One structures must be left unpaved for access to tower footings if necessary.
- Hydro One requires 15 meters of clearance on all sides around its transmission structures as measured from the tower legs in order to carry out maintenance operations. This clearance must be maintained at all times, and no storage or staging activities should occur within this area during construction.

Vertical Clearance

- Construction equipment and personnel working underneath the Hydro One conductors must satisfy OSHA clearance requirements.
- All proposed works on the corridor are subject to adequate overhead transmission line clearance from the high voltage conductors to the proposed ground elevations.

Corridor Conditions and Access

- No grading/excavation work is to be carried out using heavy machinery within 10 metres of the tower footings. Hydro One may permit grading/excavation work within 10 meters of the tower footings provided this work is carried out by hand or by using a Vacuum truck (VAC) system.
- Access to Hydro One facilities must not be obstructed at any time during construction, or after the proposed facilities are in service. The site must be kept free of all debris and equipment which could prohibit access to Hydro One facilities.
- Hydro One requires a minimum of 6 meter-wide route longitudinally along the corridor to access each transmission structure. The access route should not have a slope greater than 10%. If the proponent fails to maintain the required access route, they will be liable for any costs incurred by Hydro One in regaining access to perform maintenance or repairs.
- No fill material must be placed on the Hydro One corridor, except with prior approval from Hydro One.
- If the proponent performs any construction activity within 10 meters of any transmission structures, they must install temporary orange snow fence erected 3 meters around tower footprint. This fence must be maintained in an upright position for the duration of construction.
- All underground utilities have to be designed to allow for vehicular traffic to pass over. Type of vehicles to be accommodated includes large utility vehicles and cranes.

Storm Water Management

- The proposal shall not interfere with the natural drainage patterns or result in standing water anywhere on the affected stretch of the Hydro One corridor.
- The proponent will be held liable for any damage to Hydro One facilities, as a result of flooding or standing water caused by the proposal.
- Any proposed catch basins on the Hydro One corridor must be located within a paved roadway.

Safety & Security

- The proponent is responsible for maintaining security of the site and for the safety of the people working within the corridor.

Liabilities

- The proponent will assume all liability associated with this secondary land use proposal.
- In the case of Hydro One emergency work, the proponent may be required to suspend their operations without notice until Hydro One crews have completed the emergency work.
- Any relocation, modification or repair of Hydro One facilities as a result of the proposal will be carried out by Hydro One at the proponent's expense.
- The proponent is responsible for arranging all underground locates prior to digging, auguring or performing any excavation works on the Hydro One corridor.
- Hydro One is not responsible for any damages or injuries resulting from the effect of adverse weather conditions. This would include any damages or injuries from ice falling from structures or conductors as a result of an ice storm.
- Hydro One may, at its sole discretion, interrupt the proponent's occupation of the transmission corridor at any time during construction or post construction, to perform maintenance or emergency repairs. Hydro One will not be liable for any damages suffered by the proponent due to this interruption.

Prohibited Activities

- Buildings are not permitted on the transmission corridors. This prohibition includes, but is not limited to, temporary structures such as tents and construction trailers.
- There shall be no storage of any material on the Hydro One lands without permission of Hydro One. Any debris on the Hydro One lands shall be removed on an ongoing basis.
- There shall be no storage or tipping of garbage dumpsters on the Hydro One lands.
- There shall be no storage or dispensing of gasoline, or any other combustible substance, on the Hydro One lands.

Greg Gowan
(416) 527-3487

From: O'BRIEN Janet <Janet.O'Brien@HydroOne.com>

Sent: Thursday, March 4, 2021 7:52 AM

To: 'Sandra Anastasio - GM BluePlan' <Sandra.Anastasio@gmblueplan.ca>

Cc: GOWAN Greg <greg.gowan@hydroone.com>

Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

Good morning,

From your response below, I assume you are not able to provide settlement analyses and zone of influence curve or provide the settlement magnitude at the location of towers during tunneling operation at this time.

In this regard, I will pass along your comments to our reviewer. The circulation is still in process and we expect further comments from our internal groups. Once we are in receipt of all responses we will provide you with formal response.

Janet O'Brien
Real Estate Assistant, Facilities & Real Estate, R32
Hydro One Networks Inc.
Tel: 905-379-4078
Email: Janet.O'Brien@HydroOne.com

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, March 3, 2021 4:51 PM
To: O'BRIEN Janet <Janet.O'Brien@HydroOne.com>
Cc: GOWAN Greg <greg.gowan@hydroone.com>
Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

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Hi Janet,

Thank for you for providing feedback for this location. I will discuss further with my team to determine if the alignment can be moved further north away from the transmission tower. Can you please confirm that Hydro One's preference is a minimum 10 m horizontal setback from the face of the tower leg?

Was this the only comment received from the preliminary review or is the review still ongoing?

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=19D4AE4A-BCA8-D905-8339-C64F4F7FCF43&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-f53b1a5b67ff851a8228e0dec948d411835e1b57>



From: Janet.O'Brien@HydroOne.com <Janet.O'Brien@HydroOne.com>
Sent: Wednesday, March 03, 2021 7:53 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: greg.gowan@hydroone.com

Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

Good morning Sandra,

There is a concern where the proposed tunnel is getting close to the towers in some parts, please see our reviewer's comments below:

Note that, part of the tunnel is parallel our transmission line along Queensway, at some instances getting really close to the tower, especially at the location west of Dixie.

Can you please ask the proponent to provide settlement analyses and zone of influence curve? Alternatively the can send us the settlement magnitude at the location of towers during tunneling operation.

We look forward to receiving the requested information.

Janet O'Brien
Real Estate Assistant, Facilities & Real Estate, R32
Hydro One Networks Inc.
Tel: 905-379-4078
Email: Janet.O'Brien@HydroOne.com

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Tuesday, March 2, 2021 8:45 AM

To: O'BRIEN Janet <Janet.O'Brien@HydroOne.com>

Cc: GOWAN Greg <greg.gowan@hydroone.com>

Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

***** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. *****

Hi Janet,

Further to our call this morning, please find attached the requested information for the Queensway and Dixie location.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

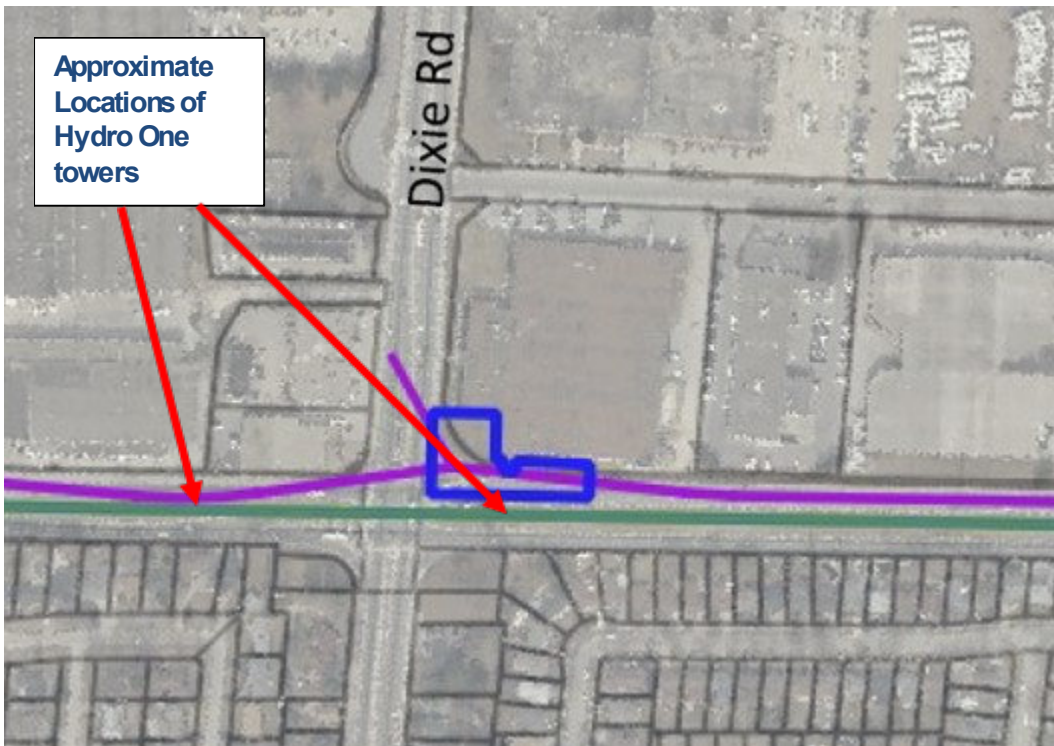
sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=B512766B-BC8D-F205-91A9-462D9095C492&auth=7c4ba316753dc19277b4cd0bdec6f0c8e9311b-81d8e102242f8ca9ee1b75425766dc2433f9d2e2>



From: Janet.O'Brien@HydroOne.com <Janet.O'Brien@HydroOne.com>
Sent: Monday, March 01, 2021 2:31 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: greg.gowan@hydroone.com
Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment
Importance: High

Hi Sandra,

Our reviewer has requested for the detail of construction (plan view) at Dixie and Queensway. He comments... "the Other such locations are provided with plan-view details that show manholes, shaft, etc. We have towers at this location and I cannot find any details of how close the tunnel is to our towers..."



Please provide at your earliest convenience.

Janet O'Brien
Real Estate Assistant, Facilities & Real Estate, R32
Hydro One Networks Inc.
Tel: 905-379-4078
Email: Janet.O'Brien@HydroOne.com

From: O'BRIEN Janet
Sent: Tuesday, February 23, 2021 4:07 PM
To: 'Sandra Anastasio - GM BluePlan' <Sandra.Anastasio@gmblueplan.ca>
Cc: GOWAN Greg <greg.gowan@hydroone.com>
Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

Hi Sandra,

I apologize for the confusion, please follow Greg Gowan's original instructions.

Janet O'Brien
Real Estate Assistant, Facilities & Real Estate, R32
Hydro One Networks Inc.
Tel: 905-379-4078
Email: Janet.O'Brien@HydroOne.com

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Tuesday, February 23, 2021 1:11 PM
To: O'BRIEN Janet <Janet.O'Brien@HydroOne.com>
Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

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Hi Janet,

Greg sent me the attached payment instructions on Friday which differs from the one you provided. Please let me know which one we should follow for the review fee.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=3CC3EC34-BC04-D705-9FC4-1D5AFE783611&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-7fe5cfea1542bff15a42ddb6688aad4c6d4da037>



From: Janet.O'Brien@HydroOne.com <Janet.O'Brien@HydroOne.com>
Sent: Tuesday, February 23, 2021 11:38 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: greg.gowan@hydroone.com
Subject: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

Hi Sandra,

I am assisting Greg Gowan with this proposal and have opened a file for the review of concept drawings. Kindly take note of our file number Mississauga C 636-7505 and please refer to same in all future correspondence.

At this time there is an Engineering Review Fee due in the amount of \$1,500 + 195.00 HST = \$1,695.00 payable to Ontario Infrastructure & Lands Corp, which should be made following the attached EFT Payment Information. The file # should be referenced when submitting the payment to IO and once completed please provide us with a receipt.

If you have any questions please do not hesitate to contact us.

Janet O'Brien
Real Estate Assistant, Facilities & Real Estate, R32
Hydro One Networks Inc.
Tel: 905-379-4078
Email: Janet.O'Brien@HydroOne.com

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Monday, February 22, 2021 10:47 AM
To: GOWAN Greg <greg.gowan@hydroone.com>
Cc: Justin.Lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Region of Peel Central Miss EA - Preliminary Review Package

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Hi Greg,

Thank you. We will process the payment for the review.

I have included a link below to the updated PDF with the requested measurements.

<https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=https%3a%2f%2fsendafile.gmblueplan.ca%2fpublic%5fuploads%2f2021%2d02%2d22%5f154347%5f2021%2d02%2d22%5fHydro%5fOne%5fPreliminary%5fReview%5fSubmission%5fUpdated%5fDraft.pdf&umid=19D4AE4A-BCA8-D905-8339-C64F4F7FCF43&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-0aa80745f32e05c185a430a9c5627b77dd846138>

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=6082D3E4-BBEE-B805-B6C5-AF38FB340AC1&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-3515ed5a1e03838f25c9b0e7ce687c874fcd85c0>



From: greg.gowan@hydroone.com <greg.gowan@hydroone.com>
Sent: Friday, February 19, 2021 3:52 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Justin.Lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>

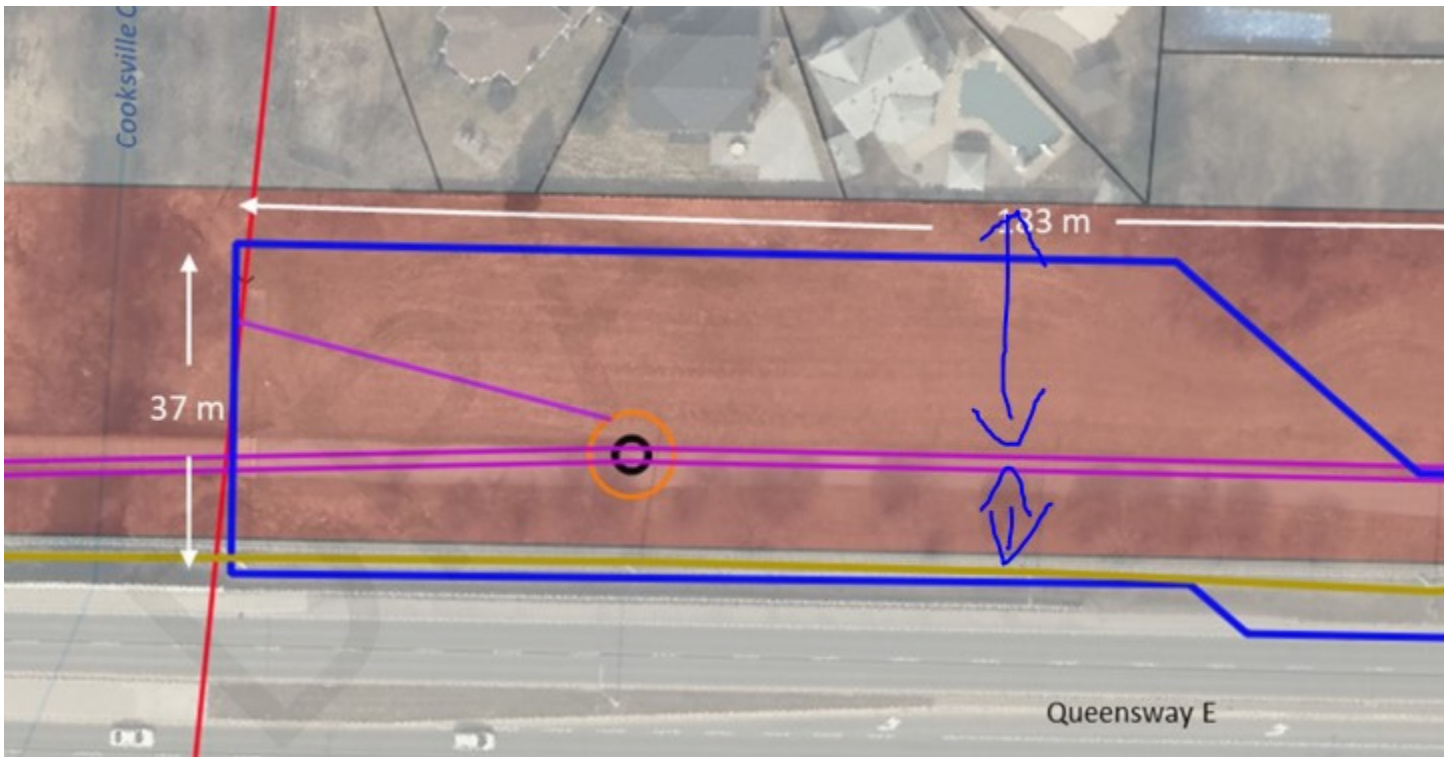
Subject: RE: Region of Peel Central Miss EA - Preliminary Review Package

Hi Sandra,

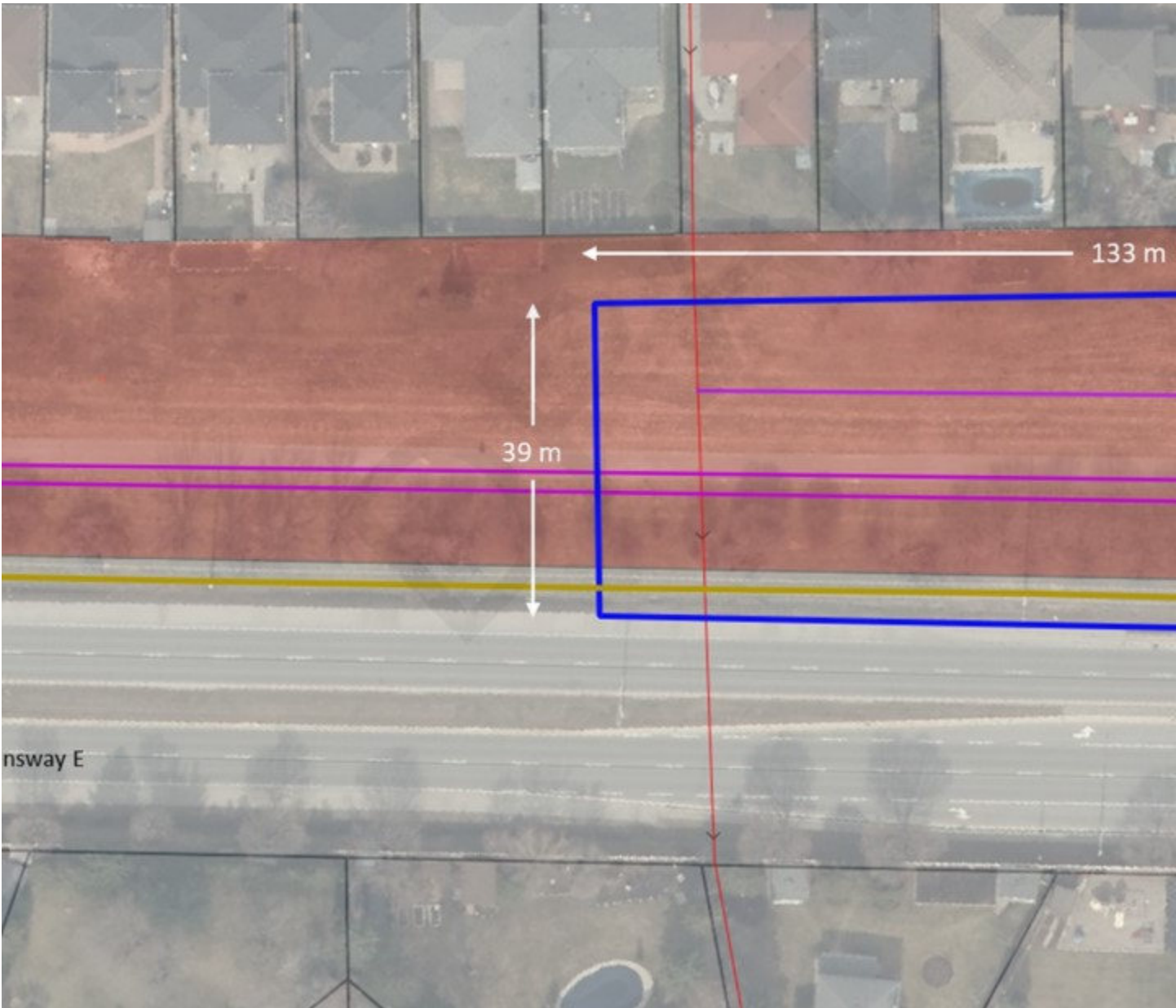
Thanks for providing. I think generally we have no major concerns with the design, but if I can recall from the last meeting we requested to see measurements from your proposed pipe to the north/south boundaries of our corridor. We'll need an idea of measurements so we can ensure we have sufficient room to install our future towers. I've provided some screen shot examples below.

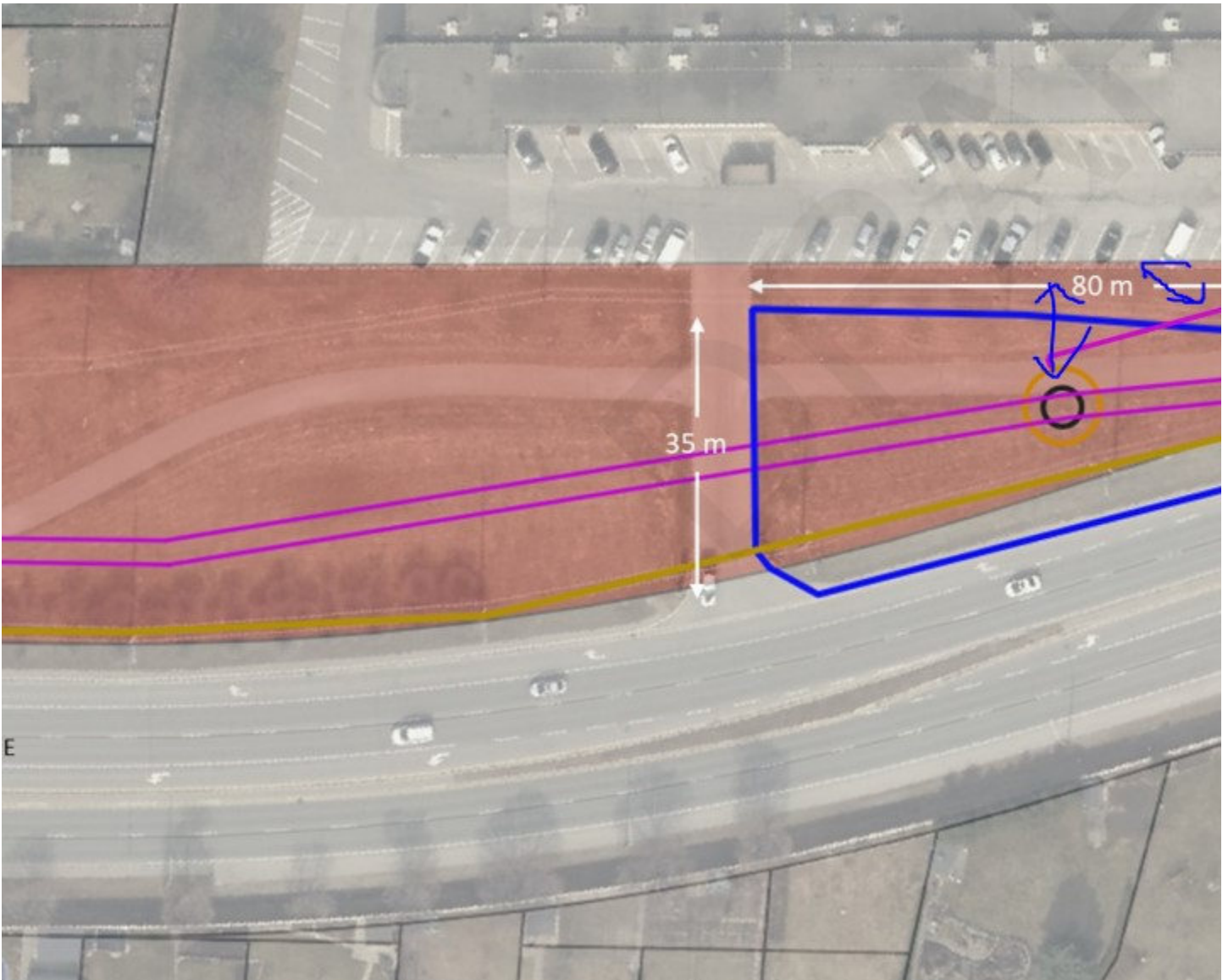
Furthermore, I'll require a \$1,500 + HST Engineering Review Fee submitted to Hydro One following the attached instructions to circulate the concept plans to provide comments back.

Thanks,









Greg Gowan
(416) 527-3487

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Friday, February 12, 2021 1:44 PM
To: GOWAN Greg <greg.gowan@hydroone.com>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: Region of Peel Central Miss EA - Preliminary Review Package

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Hi Greg,

I have provided a link below which includes our submission package for Hydro One's preliminary review of the conceptual alignment and shaft locations for the Region of Peel Wastewater Capacity Improvements in Central Mississauga EA.

<https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=https%3a%2f%2fsendafile.gmblueplan.ca%2fpublic%5fuploads%2f2021%2d02%2d12%5f184130%5f2021%2d02%2d12%5fRegion%5fof%5fPeel%5fCentral%5fMiss%5fEA%5f%2d%5fHydro%5fOne%5fPreliminary%5fReview.pdf&umid=19D4AE4A-BCA8-D905-8339-C64F4F7FCF43&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-8cef479393e8aac5e6d3694c6889266a6116ff60>

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=DDC481A3-BB28-0605-96AC-1FAB8BD19AC2&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-498a4845628bb2e54edff63e5824bdc88b758935>



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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, July 26, 2021 3:37 PM
To: Susan.SUN@HydroOne.com
Cc: Chris Campbell - GM BluePlan; Lee, Justin; SecondaryLandUse@HydroOne.com; greg.gowan@hydroone.com
Subject: RE: Hydro One Response: 20210624-NoticeOfPIC2-Wastewater Capacity Improvements in Central Mississauga
Attachments: Peel Central Miss EA - Easement Requirements.pdf

Hello Susan,

Thank you for providing your feedback. Our team received commentary regarding the selected shaft locations and alignments from Greg Gowan in March 2021. The PIC materials reflect the suggested changes.

At this time, we can confirm that the proposed sewer alignment and shaft locations do not have any potential impacts to Hydro One transmission lines or towers. Temporary easements will be required at several locations during construction and permanent easement for sewer alignments and long-term access at the following locations which fall within Hydro One managed lands:

- Queensway and Cooksville Creek (shaft compound)
- Queensway and Cliff Road (shaft compound)
- Queensway and Hensall Street (shaft compound)
- Queensway and Tedlo Street (shaft compound)
- Etobicoke Creek between Queensway and Sherway Drive (underground alignment)

The Region will continue to consult with Hydro One throughout the project to avoid any potential conflicts and to ensure Hydro One is aware of all project updates.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



-----Original Message-----

From: Susan.SUN@HydroOne.com <Susan.SUN@HydroOne.com>
Sent: June 24, 2021 2:08 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>

Cc: SecondaryLandUse@HydroOne.com; greg.gowan@hydroone.com

Subject: Hydro One Response: 20210624-NoticeOfPIC2-Wastewater Capacity Improvements in Central Mississauga

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

Please see the attached for Hydro One's Response.

Hydro One Networks Inc
SecondaryLandUse@HydroOne.com

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Hydro One Networks Inc
483 Bay St
Toronto, ON

June 24, 2021

Re: Wastewater Capacity Improvements in Central Mississauga

Attention:
Justin Lee, P.Eng.,
Project Manager

Thank you for sending us notification regarding (Wastewater Capacity Improvements in Central Mississauga). The Secondary Land Use group is aware of this project. Please continue construction conversations with Greg Gowan, Hydro One Senior Real Estate Coordinator. Please note part of your application is on Bill 58 lands you will need to provide complete plans to the Real Estate to work through any acquisition of rights. Please inform us if the scope of the project changes so that we may assess the impact to our assets. Note that this response does not constitute approval for your plans and is being sent to you as a courtesy to inform you that we must continue to be consulted on your project.

In addition to the existing infrastructure mentioned above, the applicable transmission corridor may have provisions for future lines or already contain secondary land uses (e.g., pipelines, watermains, parking). Please take this into consideration in your planning.

Also, we would like to bring to your attention that should (Wastewater Capacity Improvements in Central Mississauga) result in a Hydro One station expansion or transmission line replacement and/or relocation, an Environmental Assessment (EA) will be required as described under the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016). This EA process would require a minimum of 6 months for a Class EA Screening Process (or up to 18 months if a Full Class EA were to be required) to be completed. Associated costs will be allocated and recovered from proponents in accordance with the Transmission System Code. If triggered, Hydro One will rely on studies completed as part of the EA you are current undertaking.

Consulting with Hydro One on such matters during your project's EA process is critical to avoiding conflicts where possible or, where not possible, to streamlining processes (e.g., ensuring study coverage of expansion/relocation areas within the current EA). Once in receipt of more specific project information regarding the potential for conflicts (e.g., siting, routing), Hydro One will be in a better position to communicate objections or not objections to alternatives proposed.

If possible at this stage, please formally confirm that Hydro One infrastructure and associated rights-of-way will be completely avoided, or if not possible, allocate appropriate lead-time in your project schedule to collaboratively work through potential conflicts with Hydro One, which ultimately could result in timelines identified above.

In planning, note that developments should not reduce line clearances or limit access to our infrastructure at any time. Any construction activities must maintain the electrical clearance from the

transmission line conductors as specified in the Ontario Health and Safety Act for the respective line voltage.

Be advised that any changes to lot grading or drainage within, or in proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor.

Please note that the proponent will be held responsible for all costs associated with modifications or relocations of Hydro One infrastructure that result from your project, as well as any added costs that may be incurred due to increased efforts to maintain said infrastructure.

We reiterate that this message does not constitute any form of approval for your project. Hydro One must be consulted during all stages of your project. Please ensure that all future communications about this and future project(s) are sent to us electronically to secondarylanduse@hydroone.com

Sent on behalf of,

***Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.***

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Thursday, November 11, 2021 1:13 PM
To: greg.gowan@hydroone.com
Cc: Lee, Justin; Chris Campbell - GM BluePlan; Borowiec, Laura
Subject: Peel Central Mississauga EA - Project Update

Hi Greg,

I wanted to provide you an update on the Region of Peel's Wastewater Capacity Improvements in Central Mississauga Class EA study. We are preparing the Environment Study Report (ESR) which will be available for public review during Winter 2022. The Notice of Study Completion will be forwarded to you in the new year which will provide details on how to review and provide feedback.

We have made updates to the preferred shaft location at Queensway East and Dixie Road. I have included a link to the updated draft conceptual design drawings of the preferred solution for your reference. This link will be available for the next 21 days: https://sendfile.gmblueplan.ca/public_uploads/2021-11-11_181126_718018_Central_Miss_Trunk_Rev_3-2021-11-08_DRAFT.pdf

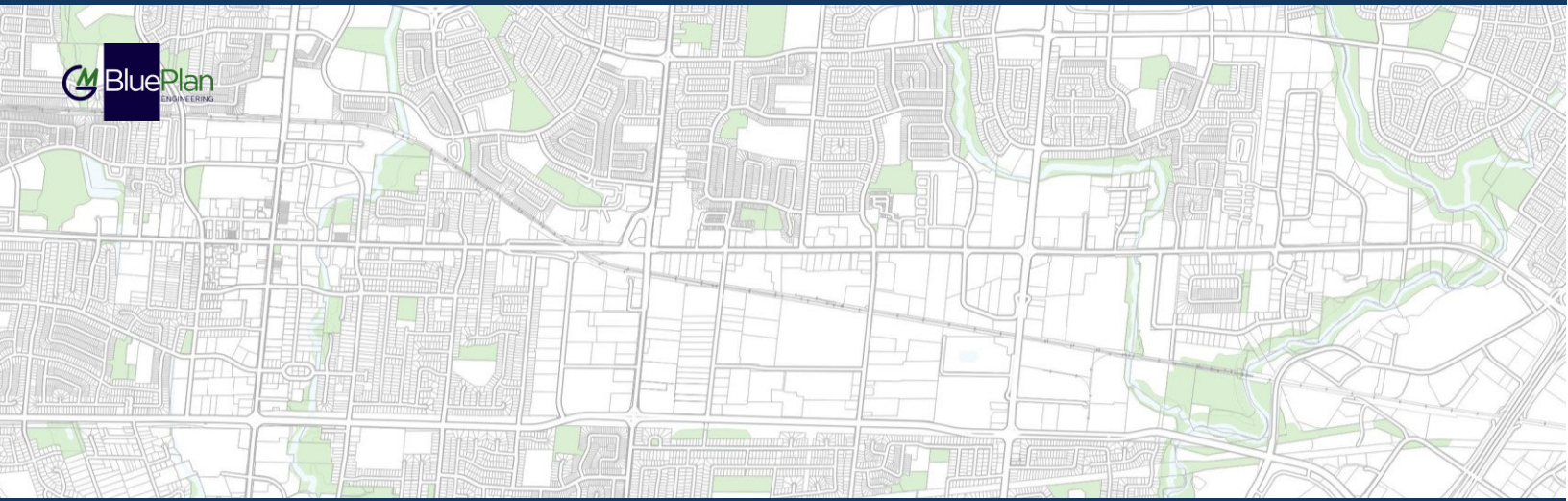
Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca





REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

Enbridge Inc.



December 2, 2019

Our File: 718018

Mr. Jim Arnott
Municipal Coordination Advisor/GTA Project Planner
Enbridge Gas Distribution Inc.
500 Consumer Road
North York, ON M2J 1P8

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

Dear Mr. Jim Arnott,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any Enbridge operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell'.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Jim Arnott <Jim.Arnott@enbridge.com>
Sent: Monday, December 16, 2019 3:03 PM
To: Mark-Ups
Cc: Sandra Anastasio - GM BluePlan
Subject: [WARNING: ATTACHMENT UNSCANNED]FW: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ Enbridge Dist.pdf

Markups

Please process this as a markup information request by GM Blueplan.

Jim Arnott

Senior Advisor Capital Planning
Capital Development and Delivery

Enbridge

Tel: 416-758-7901 | Cell: 647-393-3254
101 Honda Blvd
Markham, Ontario L6C 0M6

Jim.arnott@enbridge.com

enbridgegas.com
Safety. Integrity. Respect.

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, December 4, 2019 11:04 AM
To: Jim Arnott <Jim.Arnott@enbridge.com>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: [External] Region of Peel Central Mississauga EA

EXTERNAL: PLEASE PROCEED WITH CAUTION.

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Hello Mr. Jim Arnott,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Mark-Ups <Mark-Ups@enbridge.com>
Sent: Monday, January 06, 2020 4:51 PM
To: Sandra Anastasio - GM BluePlan
Subject: RE: Email 1 of 4 - EGD 23850181 - Region of Peel Central Mississauga EA - General Locate
Attachments: 12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites EG-1-8.pdf; Third_Party_Requirements_in_the_Vicinity_of_Natural_Gas_Facilities.pdf

Hi,

The file is too large to send in one email, therefore, I will be sending it in 4 emails starting with this one. See below for our response:

Attached is the information you had requested.
The information provided is for General Location Only. You must resubmit your detailed design for our review.

Should you require anything further please contact us at Mark-Ups@enbridge.com.

Best regards,

Elizabeth Dewcharran
QSP Geographics on behalf of Enbridge Gas Distribution

From: Jim Arnott
Sent: Monday, December 16, 2019 3:03 PM
To: Mark-Ups
Cc: Sandra Anastasio - GM BluePlan
Subject: EGD 23850181 - Region of Peel Central Mississauga EA

ADDITIONAL FILES CAN BE FOUND UNDER:

S:\Drafting\MARK-UPS EGD\Casey - Temp files\Region of Peel Central Mississauga EA

Markups

Please process this as a markup information request by GM Blueplan.

Jim Arnott
Senior Advisor Capital Planning
Capital Development and Delivery

Enbridge
Tel: 416-758-7901 | Cell: 647-393-3254
101 Honda Blvd
Markham, Ontario L6C 0M6

Jim.arnott@enbridge.com

enbridgegas.com
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Sent: Wednesday, December 4, 2019 11:04 AM
To: Jim Arnott <Jim.Arnott@enbridge.com>
Cc: Chris Campbell - GM BluePlan <laura.borowiec@peelregion.ca>' <laura.borowiec@peelregion.ca>
Subject: [External] Region of Peel Central Mississauga EA

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Hello Mr. Jim Arnott,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA - Preliminary Short Listed Sites.pdf](https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

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Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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EGD File Number: 23850181

Re: Region of Peel Central Mississauga EA

- By law utility locates must be obtained prior to starting any excavation or ground disturbance activity, such as pile driving, boring, auguring or digging.
- Contact Ontario One Call at 1-800-400-2255 or www.on1call.com at least 5 business days before beginning work to obtain utility locates.
- Please refer to the “**Third Party Requirements In the Vicinity of Natural Gas Facilities**” for requirements and precautions for working safely in the vicinity of natural gas pipelines. The most recent version of this document is available at: <https://www.enbridgegas.com/~media/Extranet-Pages/Safety/Before-you-dig/Third-Party-Requirements-in-the-Vicinity-of-Natural-Gas-Facilities>
- Enbridge’s responses are based on the information available and are valid for a period of 6 months from issue.

VITAL MAIN

- You are working within 3m of a Vital Main Pipeline. In order to accommodate Enbridge vital main standby requirements, our Damage Prevention department must be contacted a minimum of three business days prior to commencing any excavation at 1-866-922-3622 to schedule a site meeting.

NEB PERMIT REQUIRED

- When crossing or working within 30m of the right-of-way of an NEB regulated natural gas pipeline, a permit must be obtained from the pipeline company (attached).
 - Completed permit applications may be submitted to the Enbridge Gas Distribution Inc. NEB Engineer at ngtl@enbridge.com
 - Completed permit applications may be submitted to the Enbridge Gas Distribution Inc. NEB Engineer at 2193914canadalimited@enbridge.com

CONFLICT

- We have an **OBJECTION** to your proposed plant as indicated. Please refer to the attached drawings for information on our existing or proposed gas plant.
- You must submit a revised design for our approval that meets the requirements detailed in the Third Party Requirement book before proceeding.
- If relocation of our plant is required, please contact:

<input type="checkbox"/>	Toronto Region	Jaclyn Mui	416-495-7222	jaclyn.mui@enbridge.com
<input type="checkbox"/>	Central Region West	Meetpal Chhina	905-458-2159	meetpal.chhina@enbridge.com
<input type="checkbox"/>	Central Region East	Ashu Kahol	905-927-3017	ashu.kahol@enbridge.com
<input type="checkbox"/>	Niagara Region	Rhonda Nicholson	905-641-4815	rhonda.nicholson@enbridge.com
<input type="checkbox"/>	Eastern Region Ottawa	Sonia Padamadan	613-748-6861	sonia.padamadan@enbridge.com
<input type="checkbox"/>	Easement Crossing	Anissa Trenholm	416-753-6937	anissa.trenholm@enbridge.com

NO-CONFLICT

- We have **NO OBJECTION** to your proposed plant as indicated. Please refer to the attached drawings for information on our existing and/or proposed gas plant. GAS MAINS MUST BE FIELD LOCATED. Before digging, please call ONTARIO ONE CALL at 1-800-400-2255 for free gas locates.

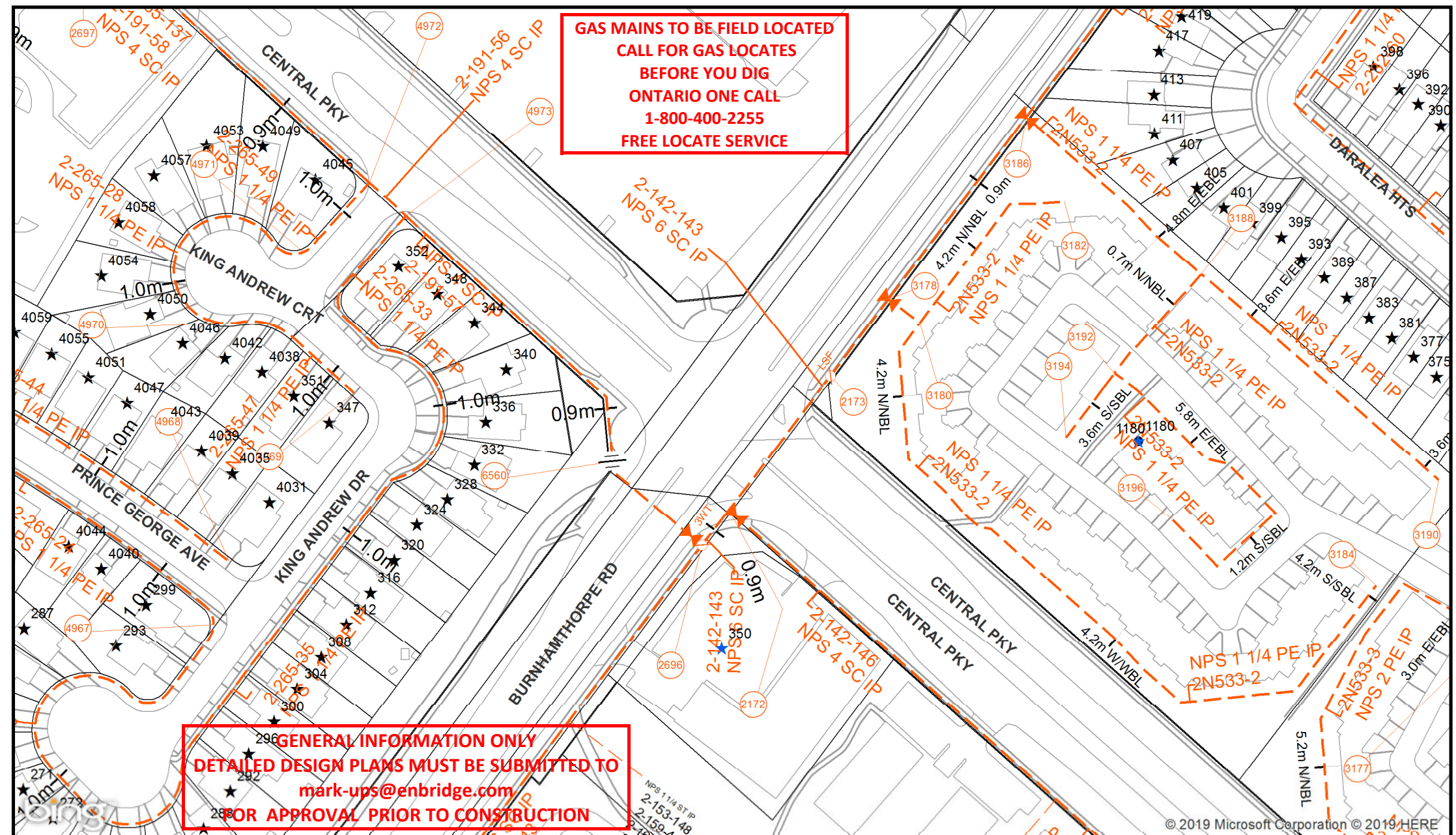
GENERAL LOCATION

- Refer to the attached drawings for information on our existing and/or proposed gas plant within the road allowance.
- The information provided is for **GENERAL LOCATION ONLY** and is not an approval. Detailed plans must be submitted for our review before an approval will be granted.

Kind Regards,

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1-800-400-2255
FREE LOCATE SERVICE**

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DETAILED DESIGN PLANS MUST BE SUBMITTED TO
mark-ups@enbridge.com
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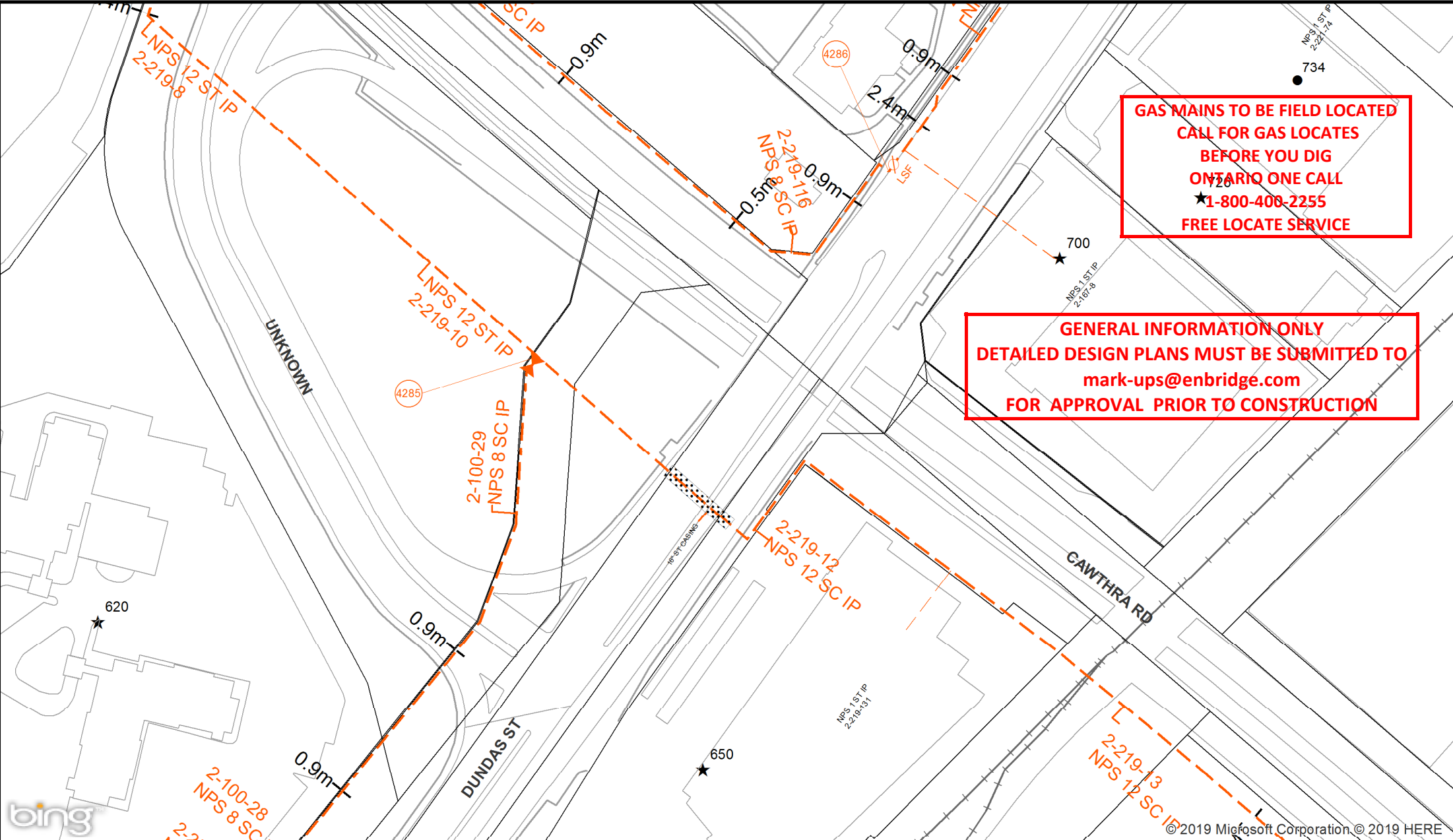
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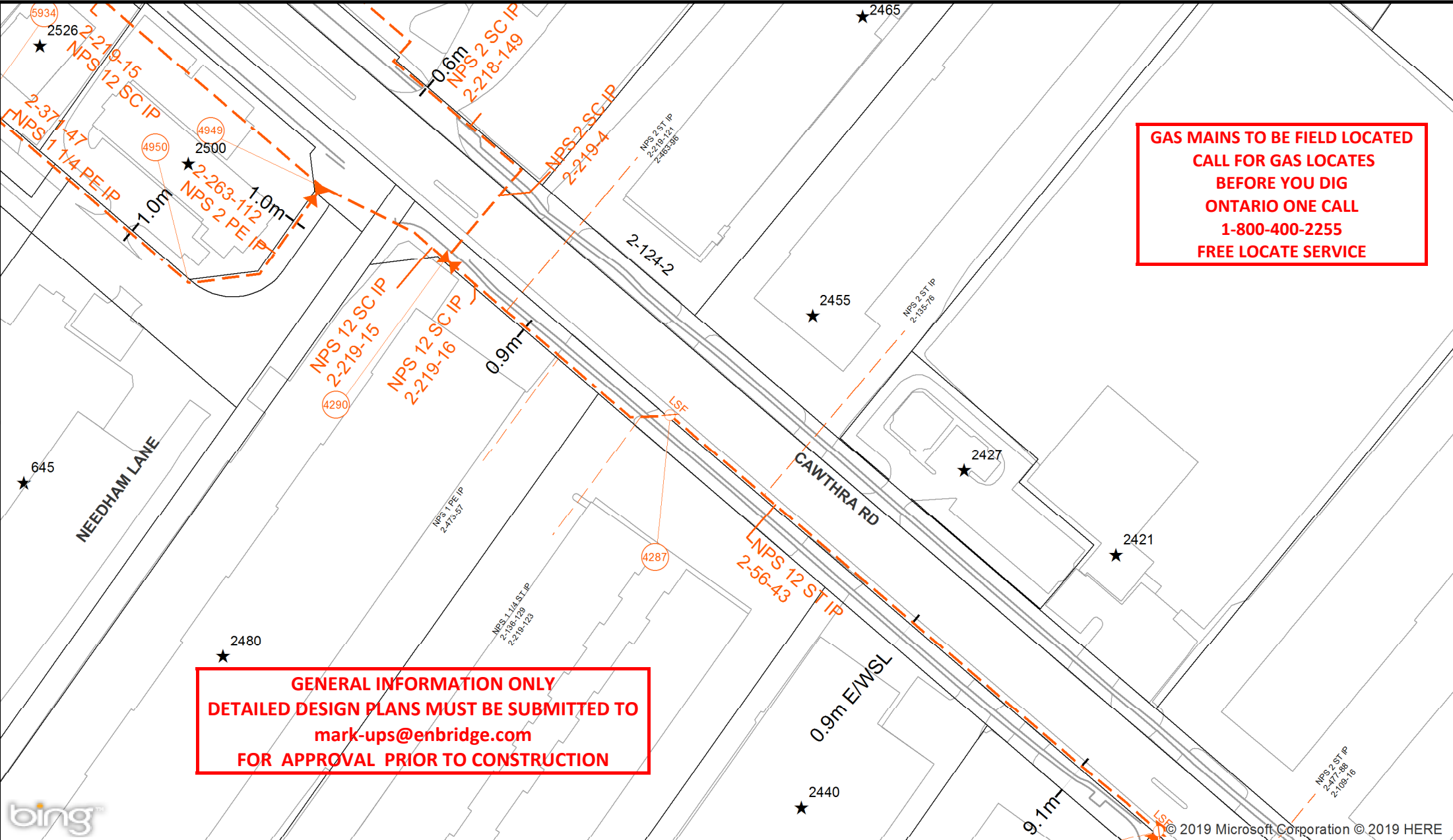
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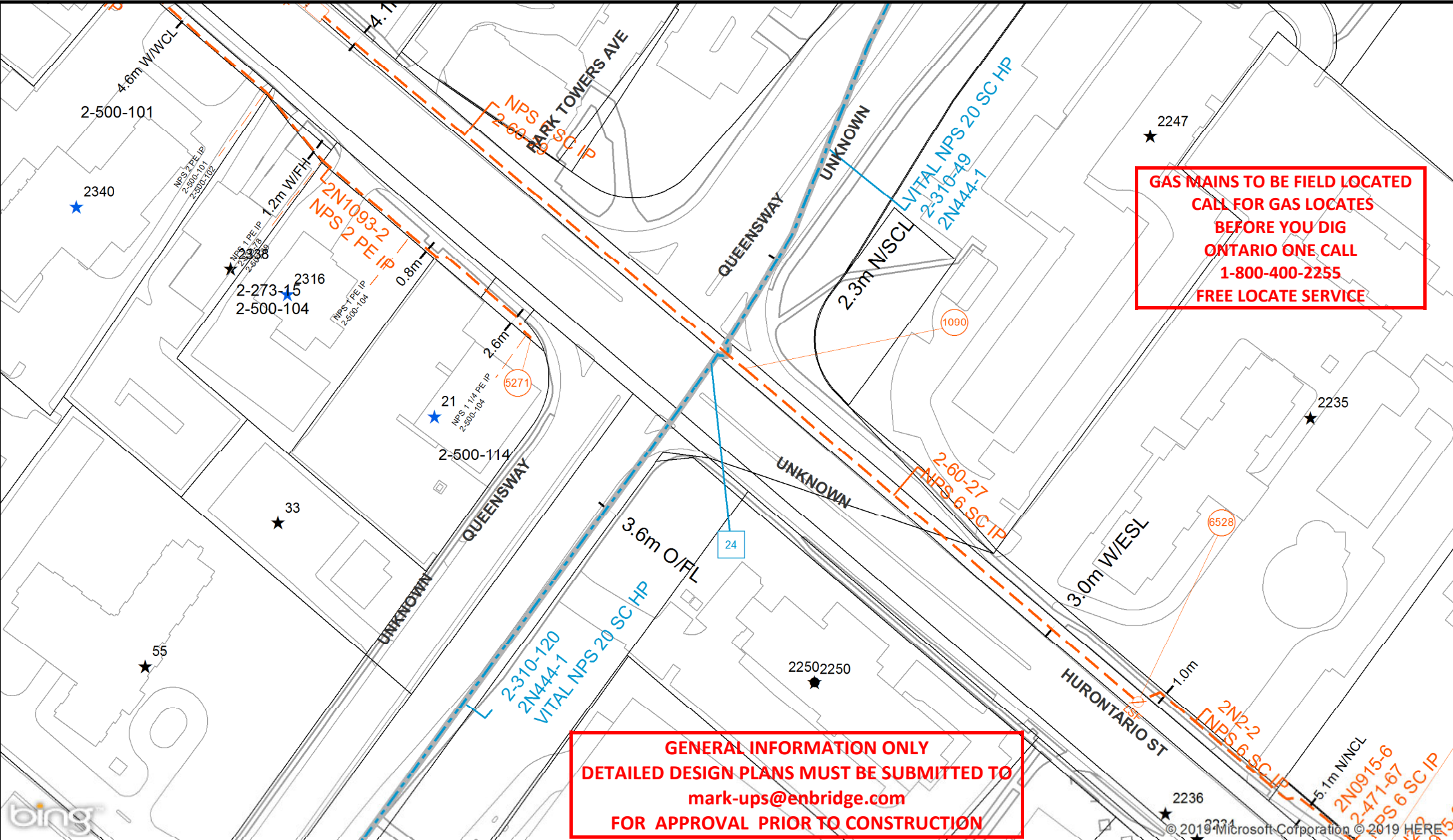
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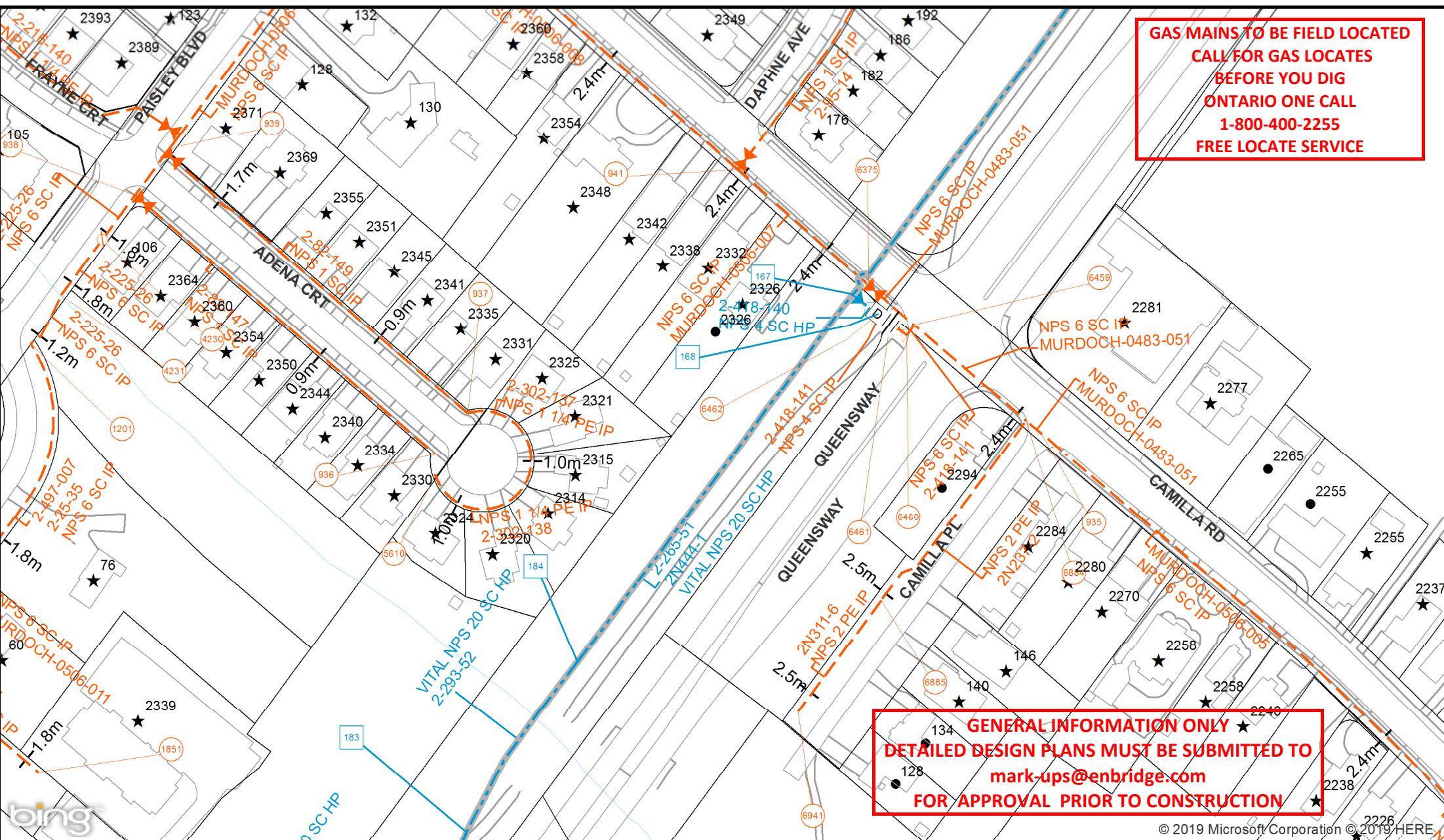


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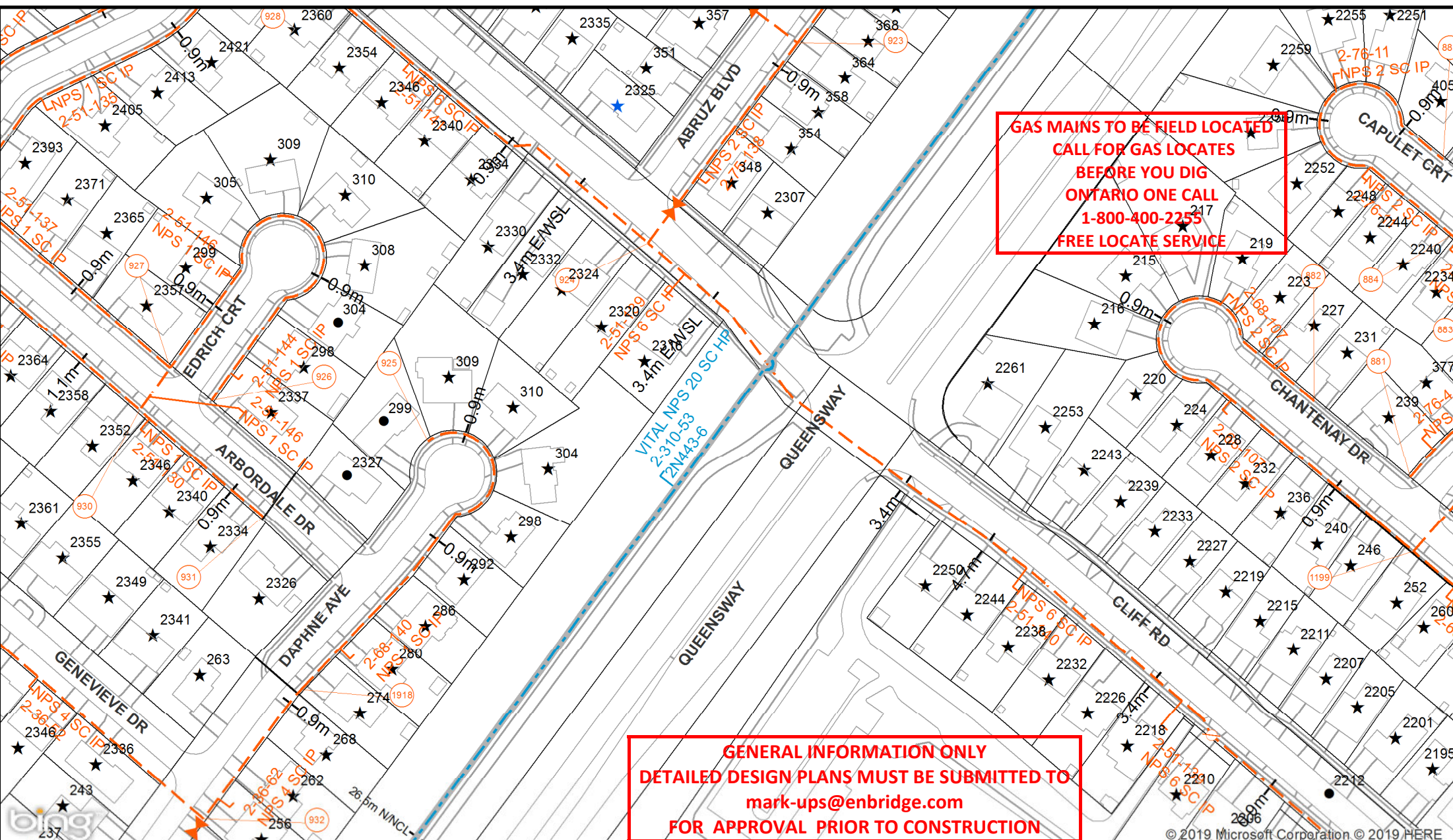


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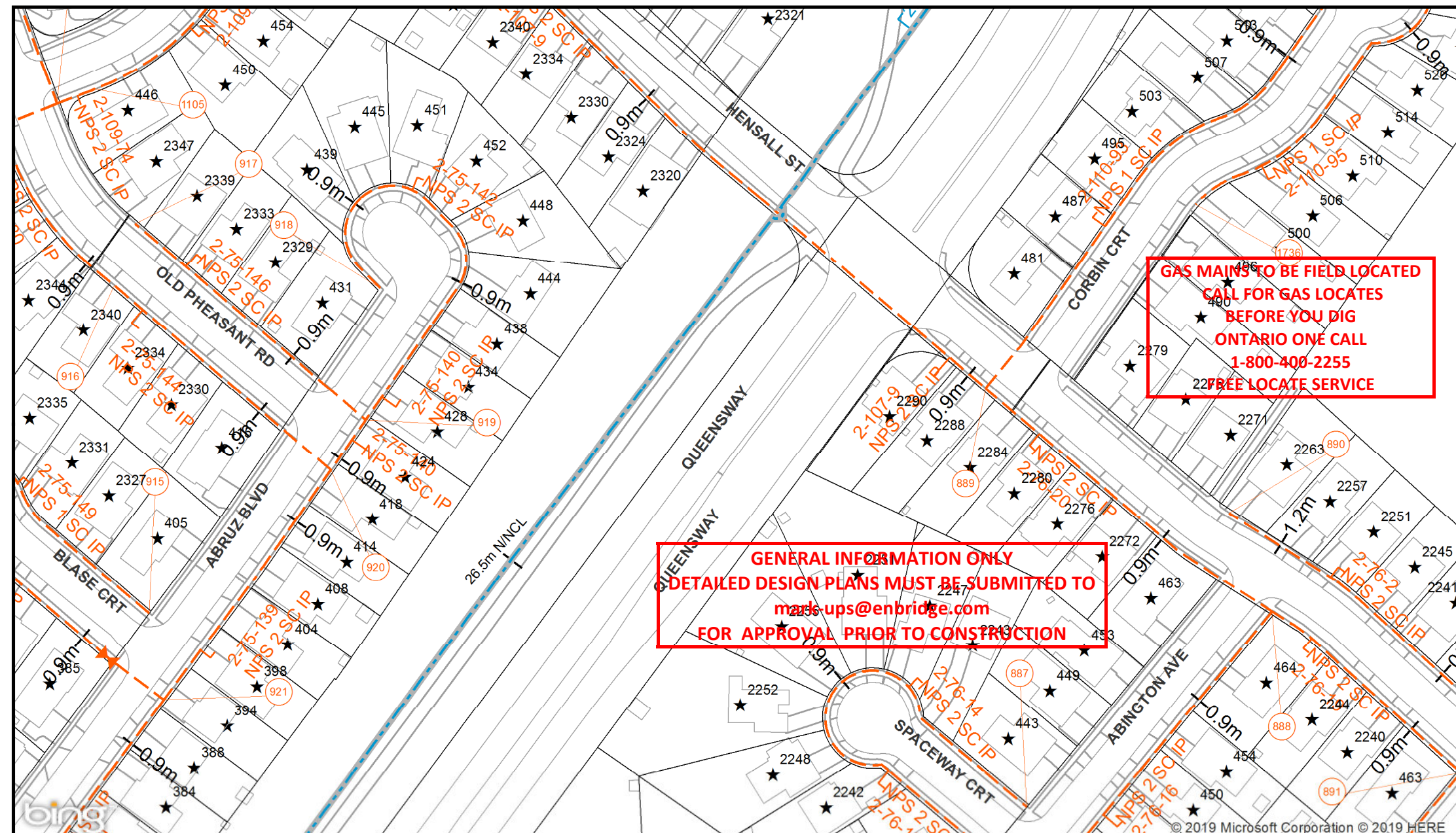
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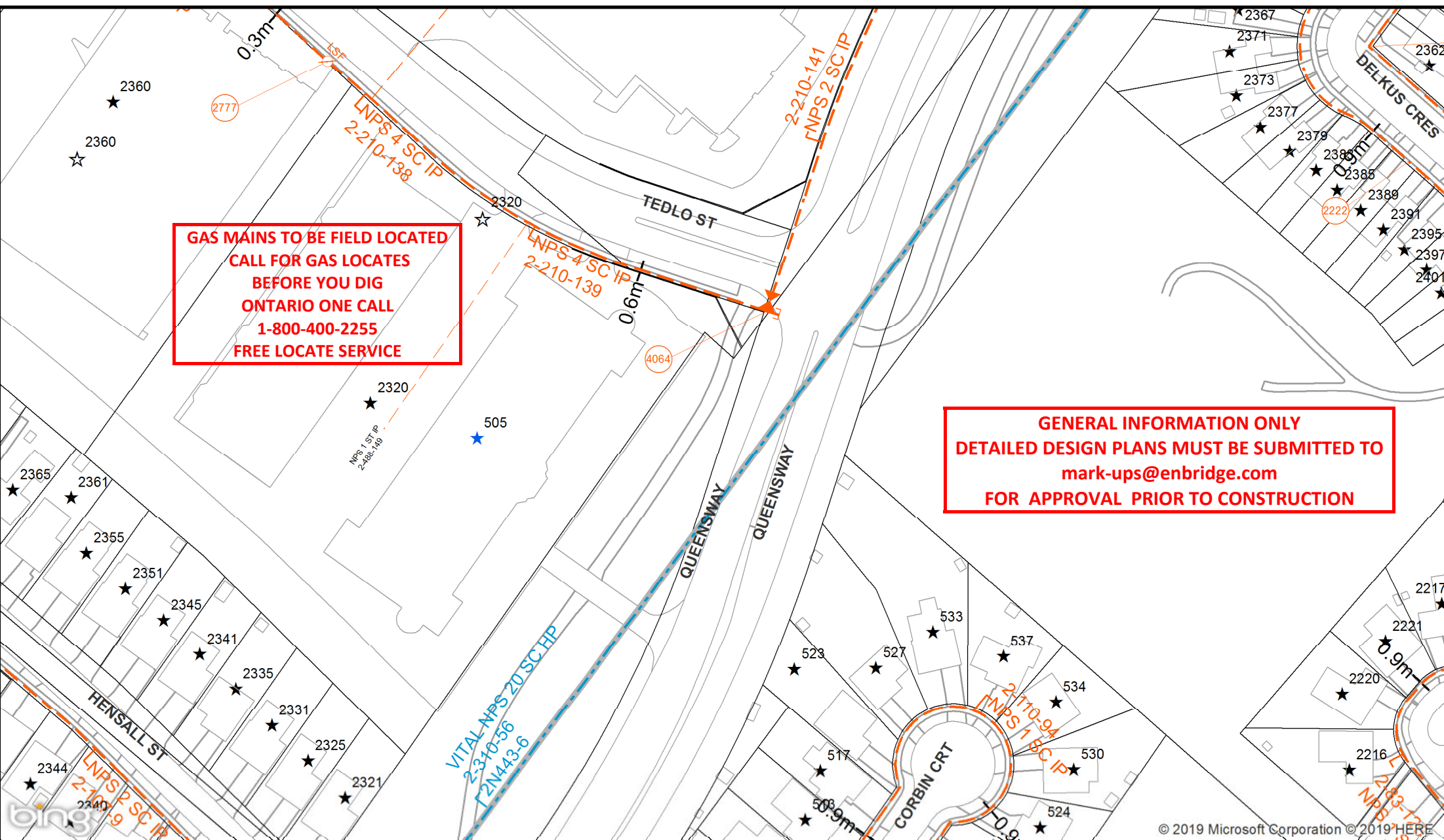
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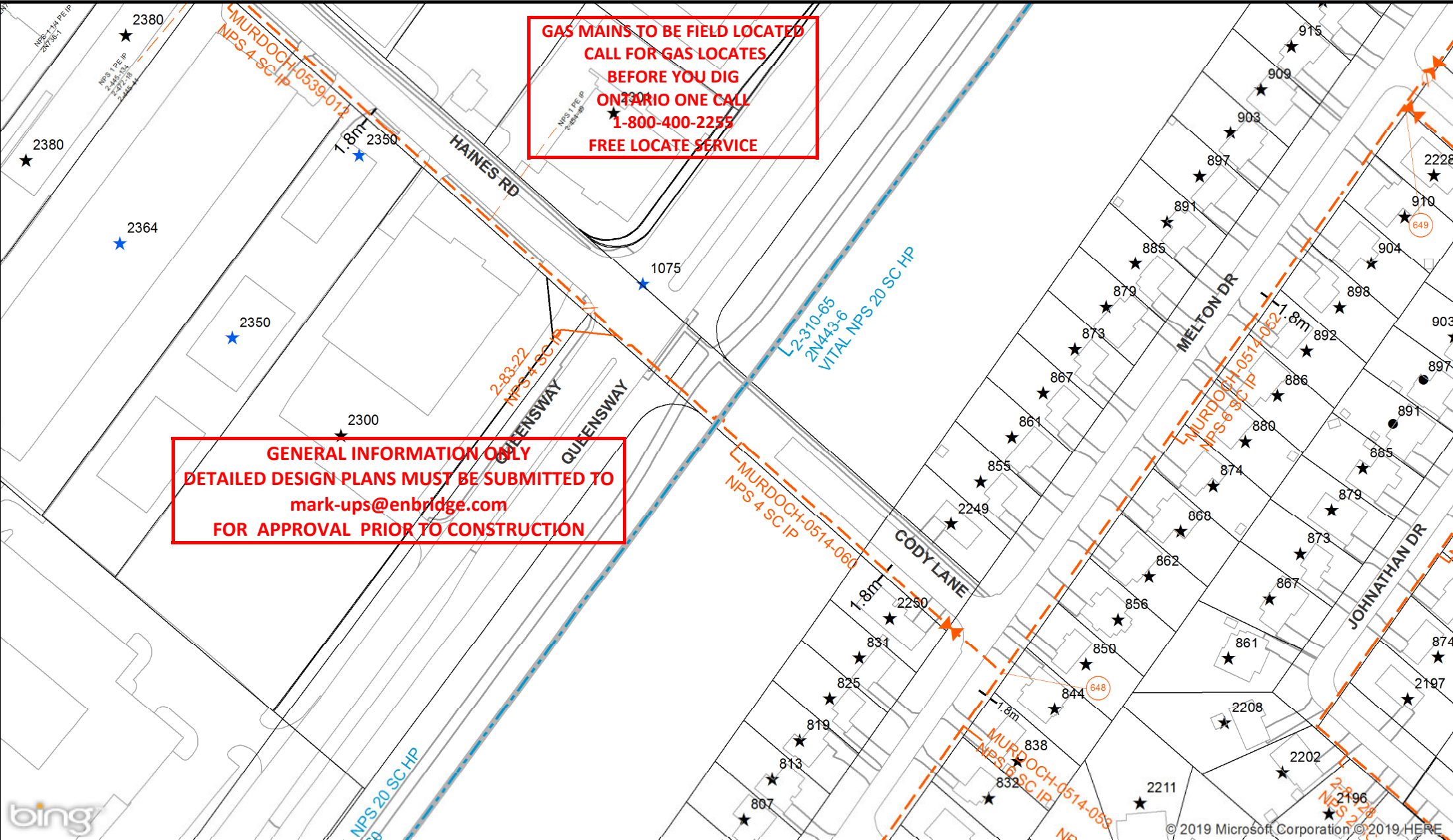
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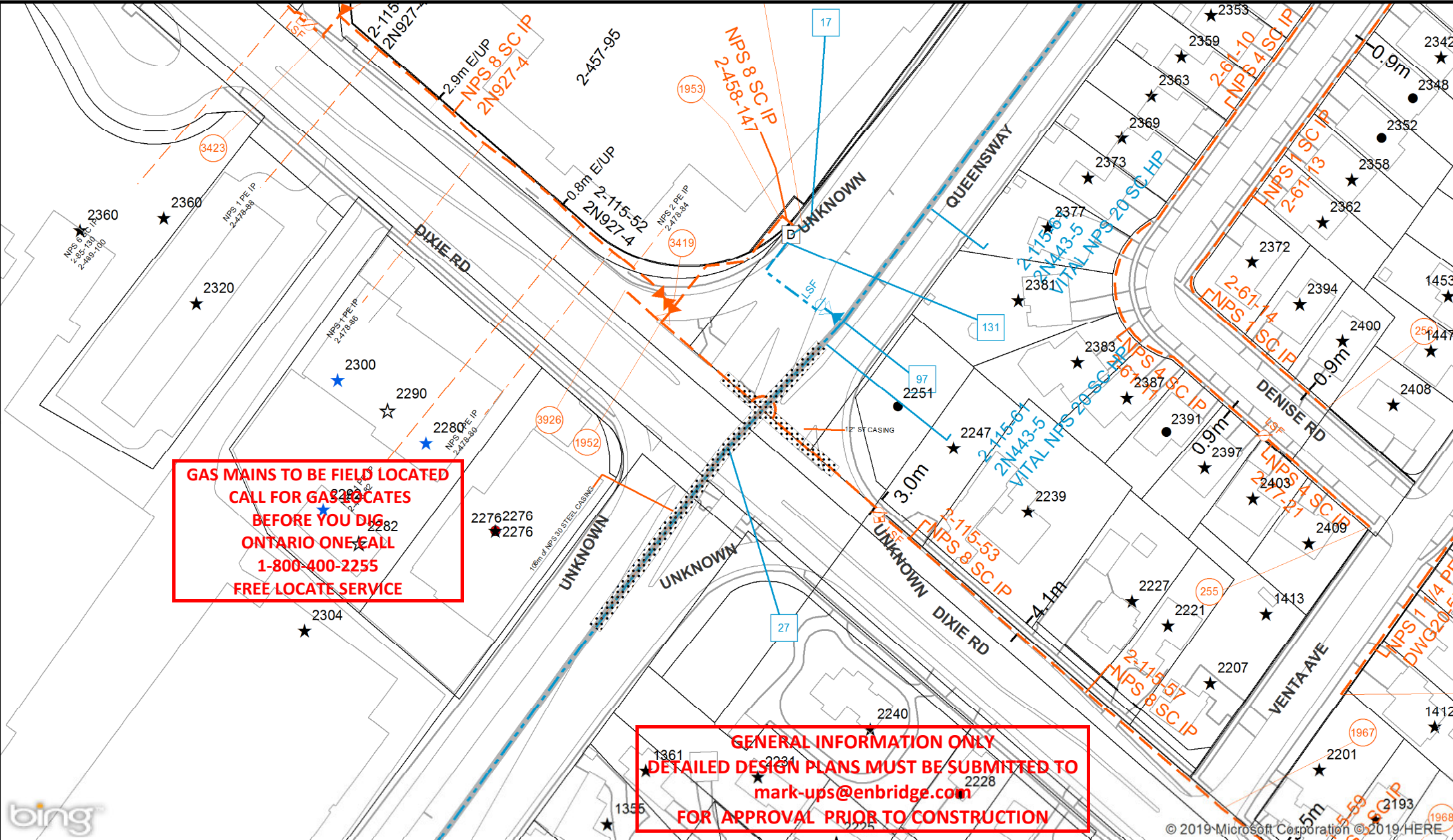
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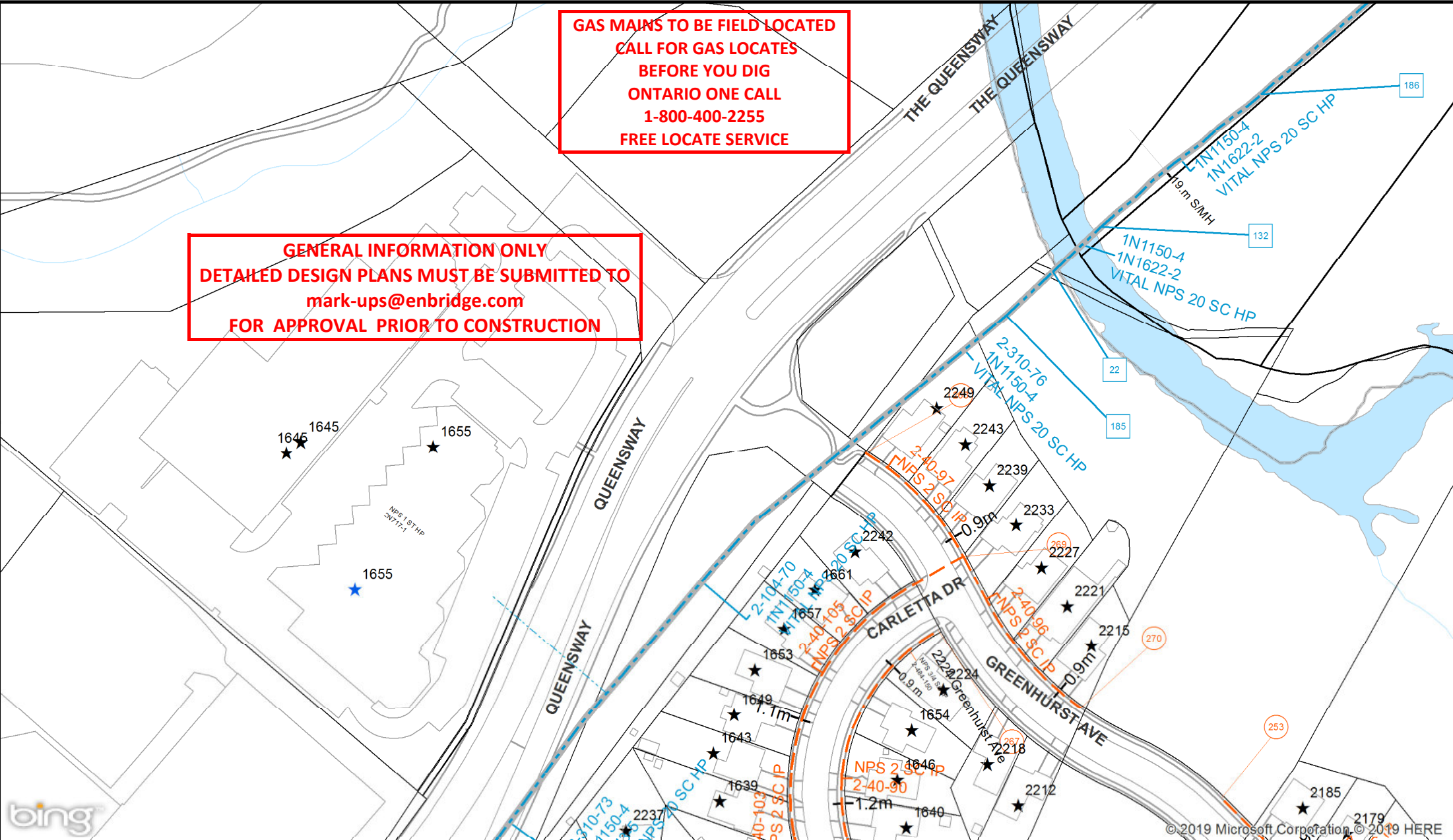
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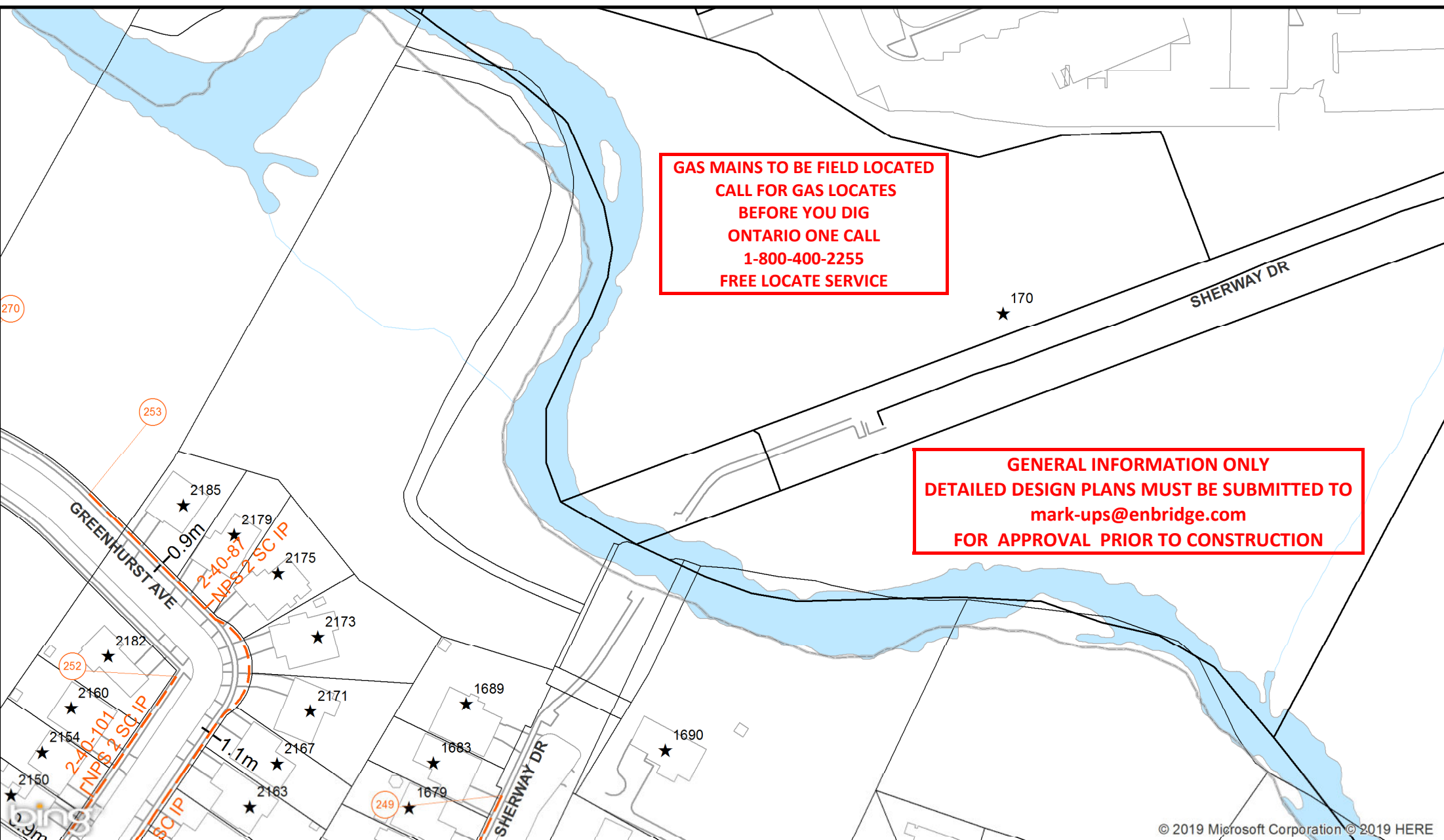
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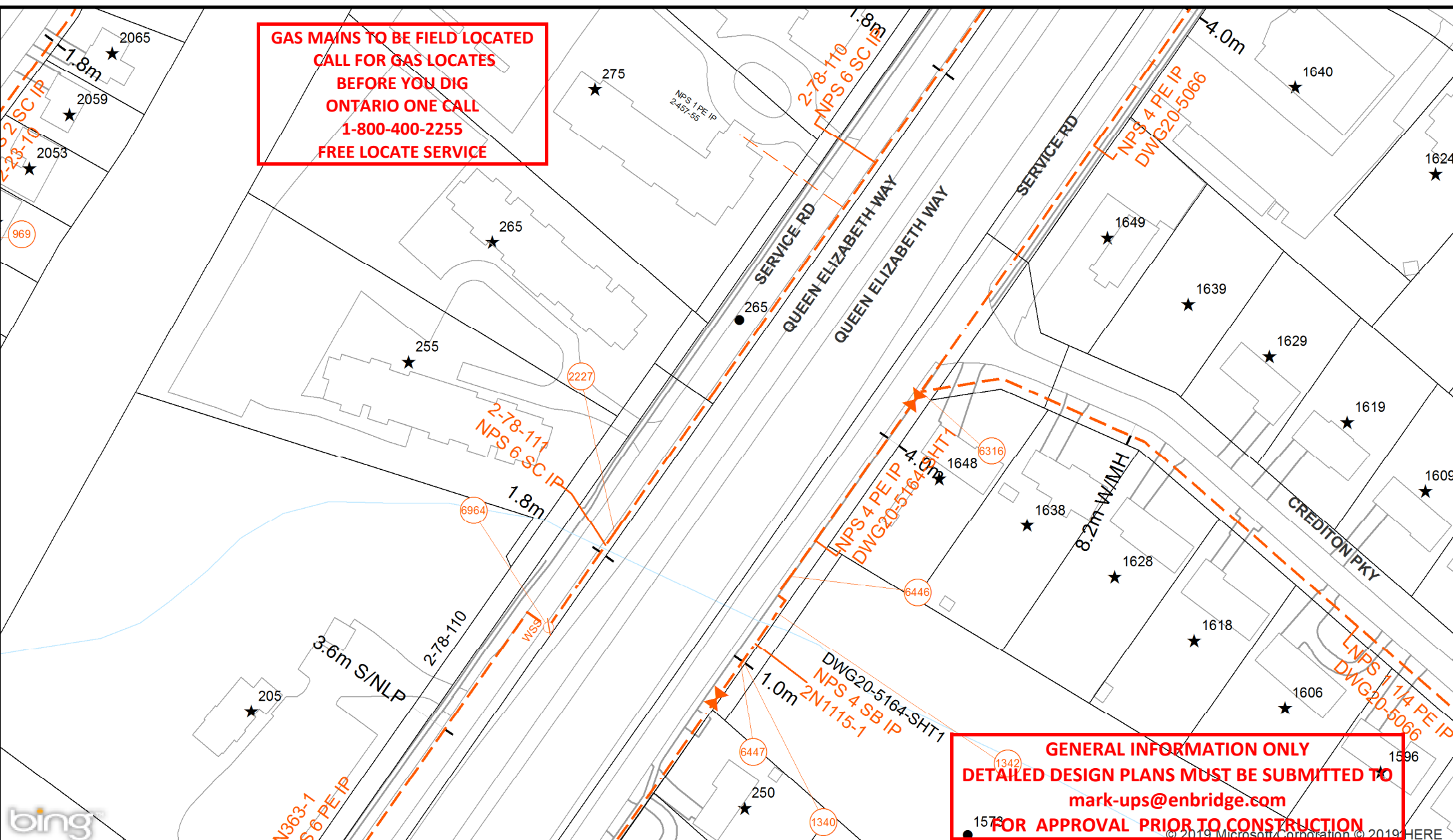
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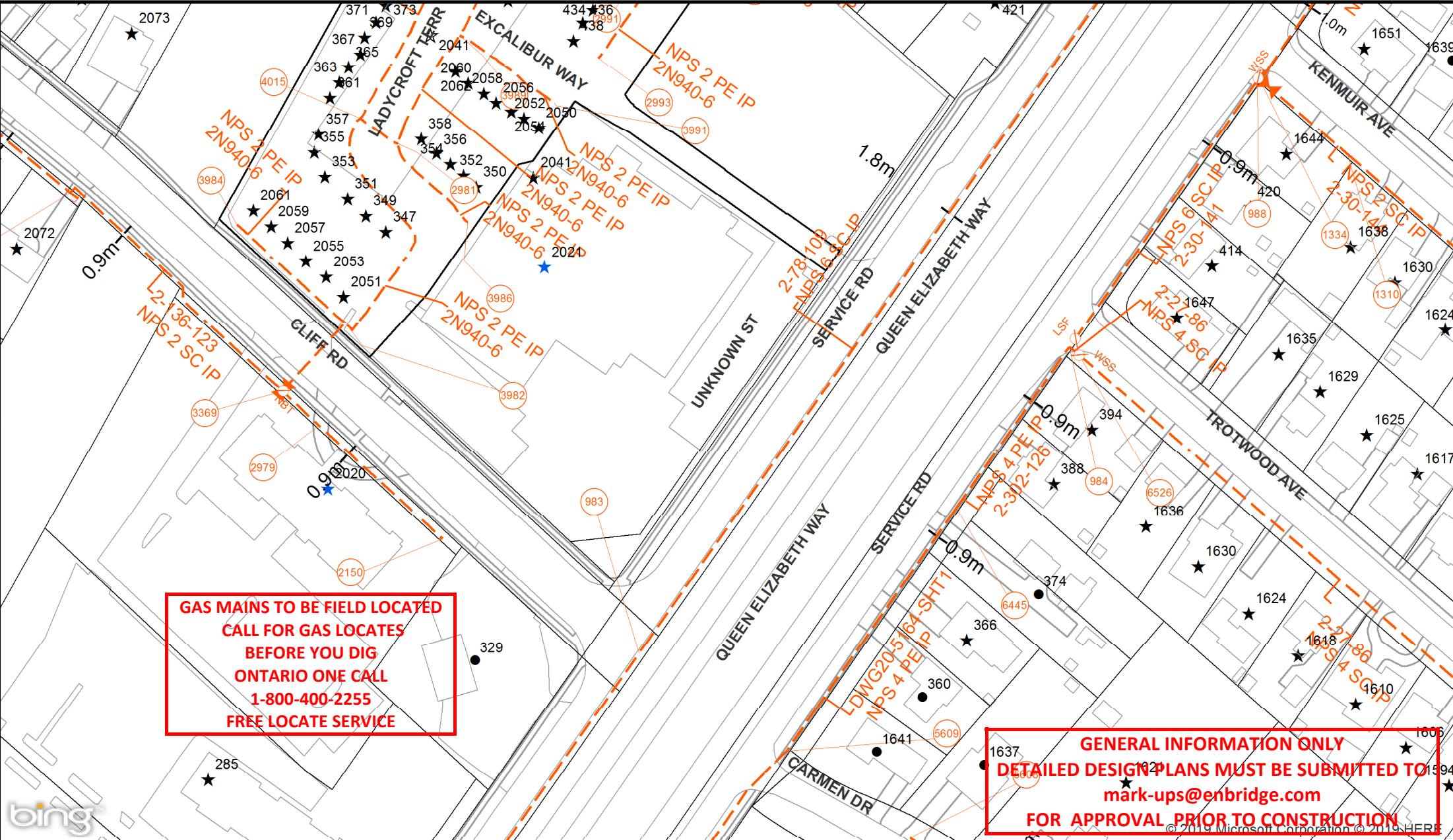


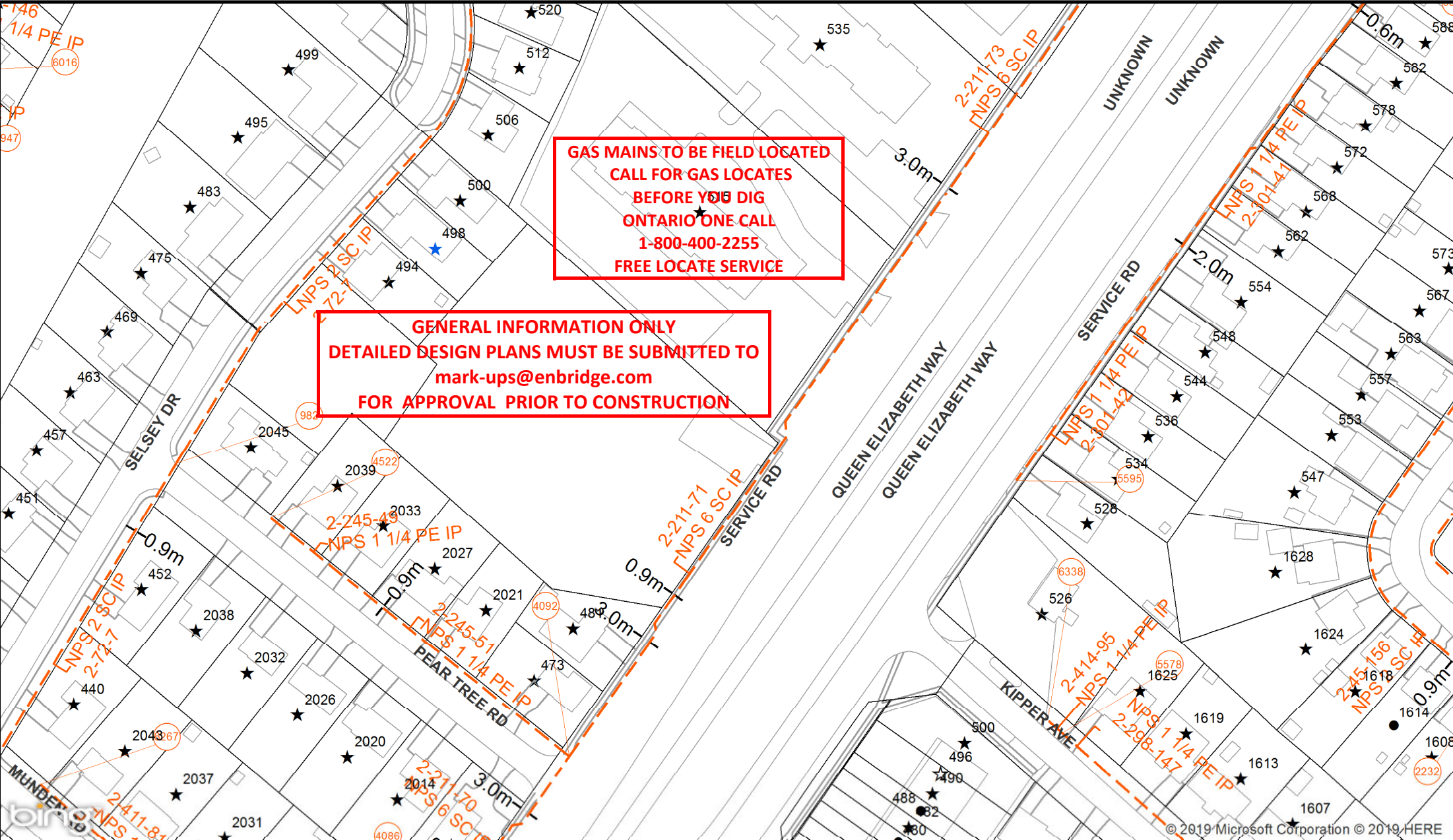
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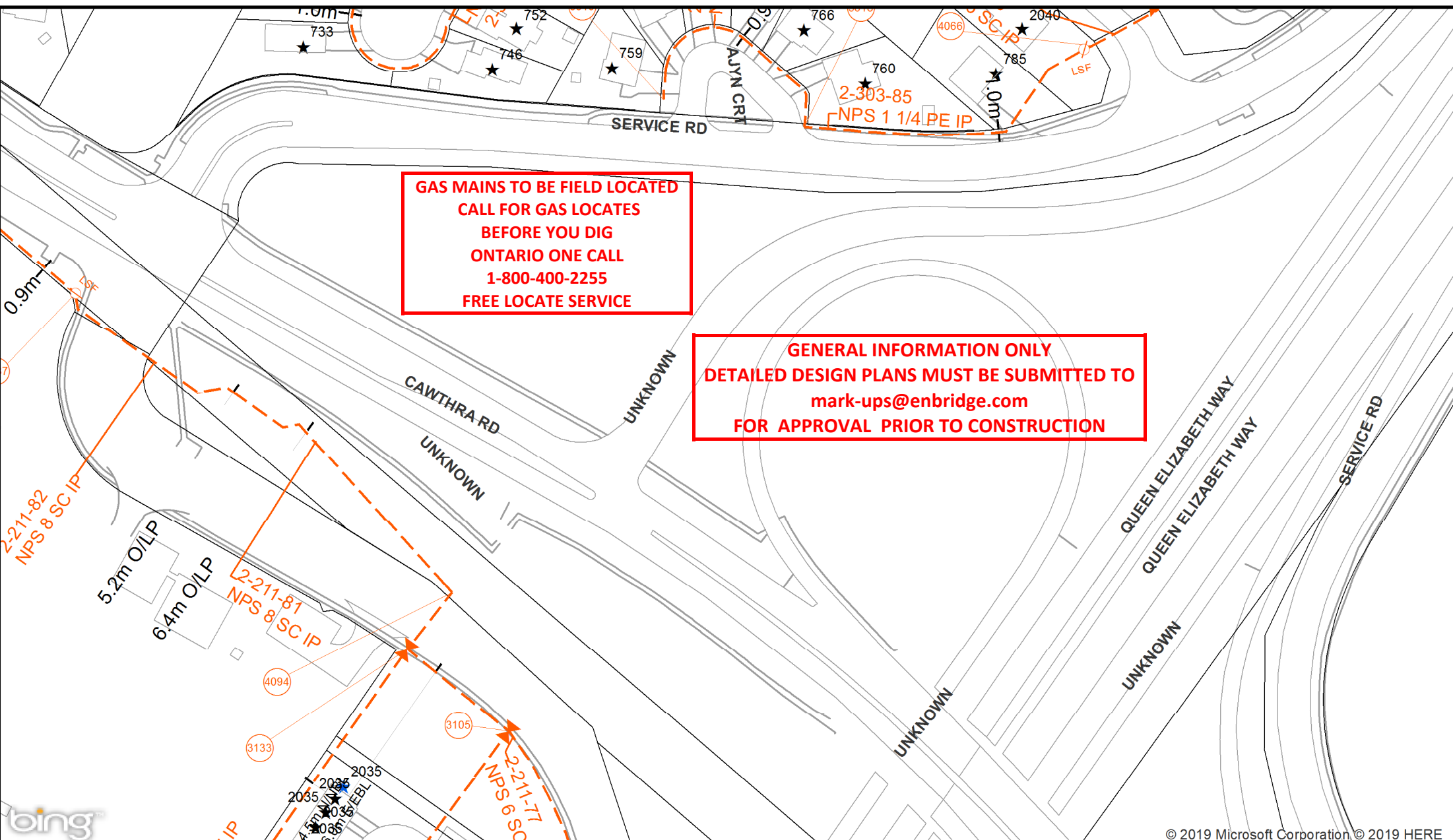
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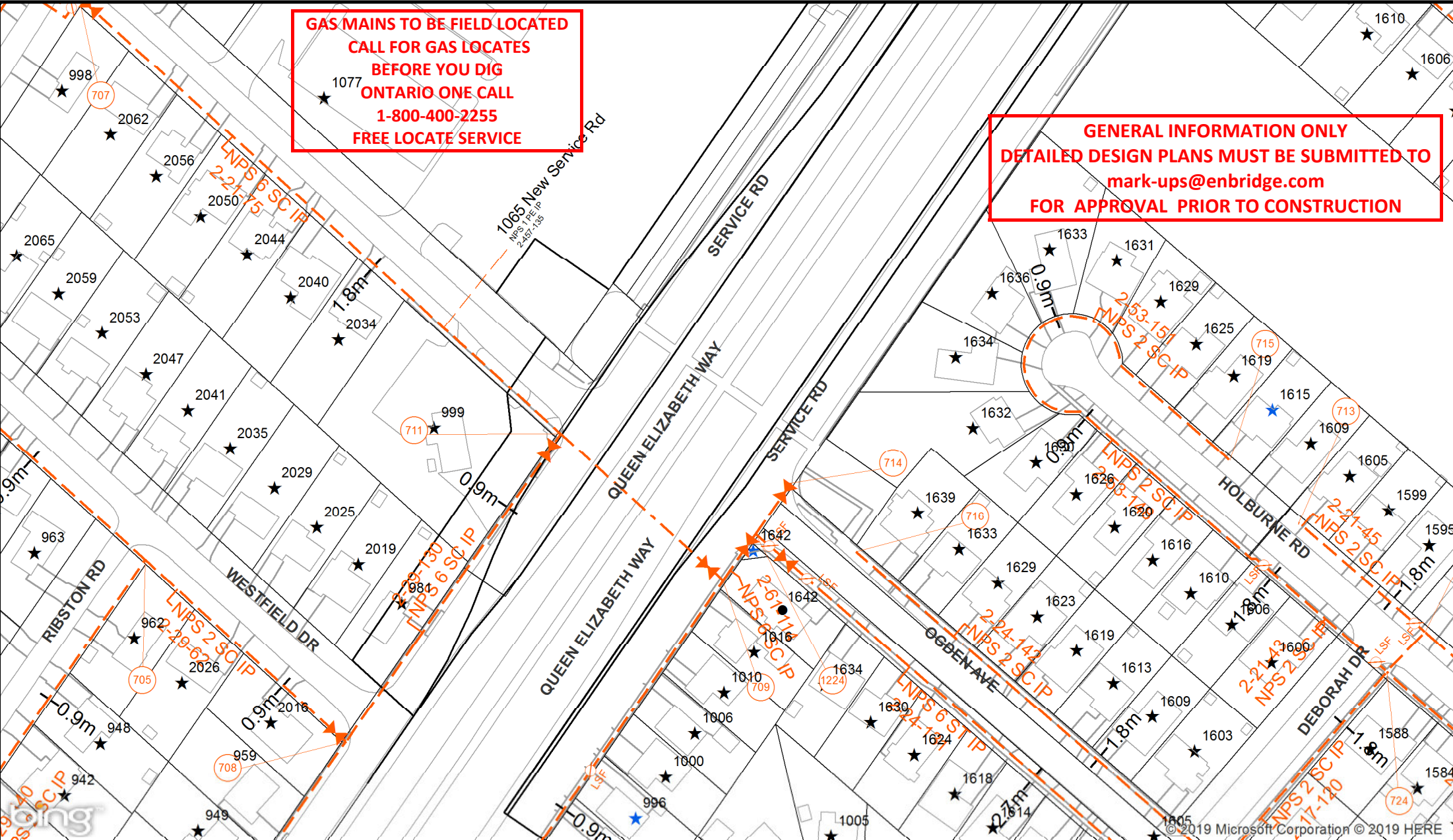


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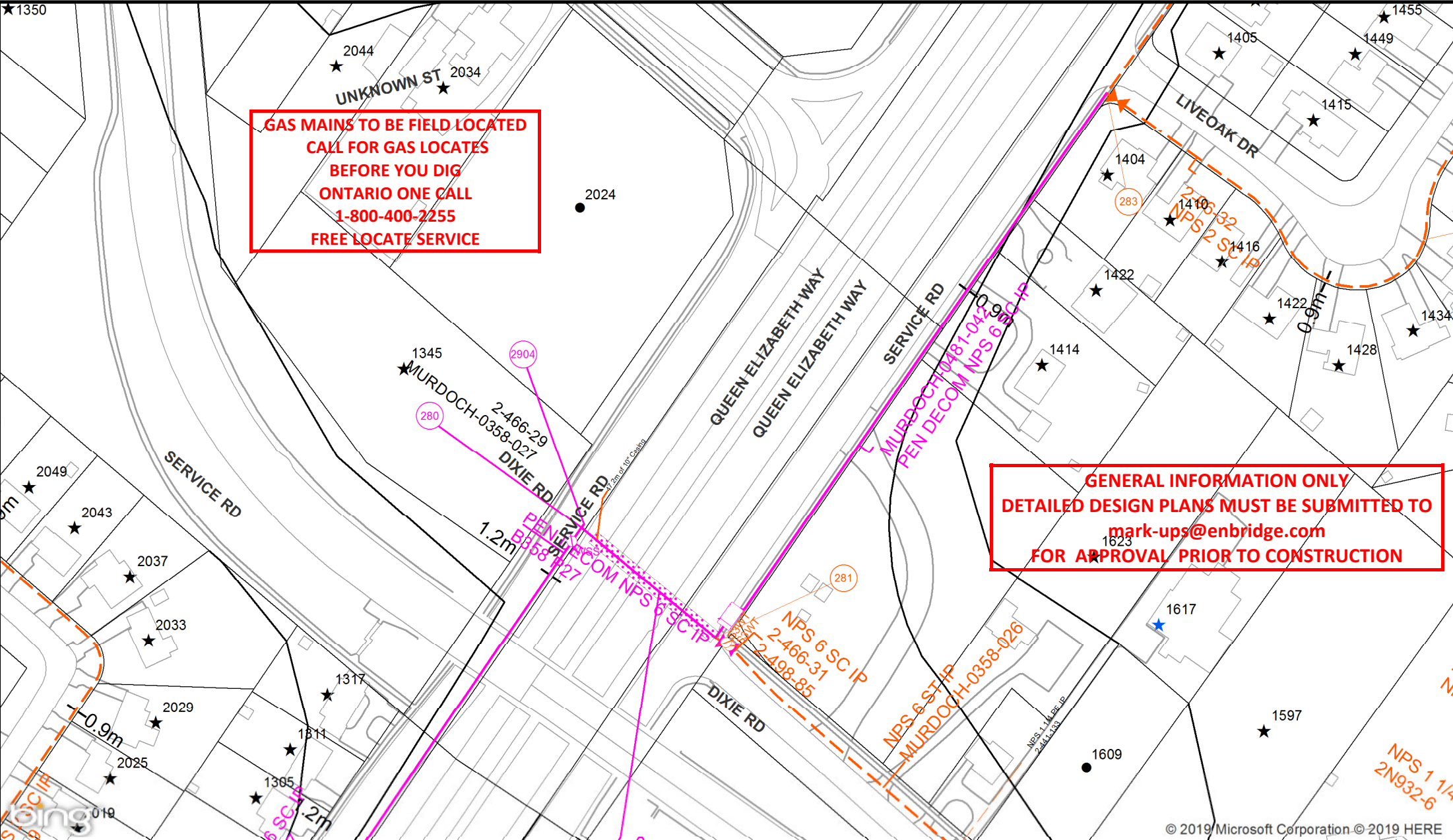
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0.6m E/ECL

1190



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Third Party Requirements in the Vicinity of Natural Gas Facilities

Revision History

Version	Date	Approval	Revisions
3.1	2018-Jul-25	Gonzalo Juarez Manager, Pipeline Engineering	Added new Section 6.0 Hydro-Excavation
3.0	2018-Apr-25	Gonzalo Juarez Manager, Pipeline Engineering	<p>2.1 Work in the Vicinity of Pipelines</p> <ul style="list-style-type: none"> Updated contact numbers. <p>2.2 NEB-regulated Pipelines & Vital Mains</p> <ul style="list-style-type: none"> Added clarity. <p>Table 2-2: Pipeline Location Verification Requirements for NEB-regulated pipelines and Vital Mains</p> <ul style="list-style-type: none"> Clarified requirements. Organized requirements by location of work. <p>Table 2-3: Pipeline Location Verification Requirements for All Other Pipelines</p> <ul style="list-style-type: none"> Clarified requirements. Organized requirements by location of work. <p>2.4 Safe Excavation</p> <ul style="list-style-type: none"> Emphasized requirement that within 1 m (3.3 ft) of the NEB regulated or Vital Main only Hand Digging or hydro-excavation is allowed.

Version	Date	Approval	Revisions
			<p>2.5 Points of Thrust</p> <ul style="list-style-type: none"> • Clarified when EGD may require additional time to review the proposed work area. <p>2.6 Minimum Clearance from Other Structures</p> <ul style="list-style-type: none"> • Updated captions for Table 2-5, 2-6, and 2-7. Added instruction to consider effects of stray current. Changed requirements for drilling perpendicular to a pipeline that is smaller than NPS 12. <p>2.10 Tree Planting</p> <ul style="list-style-type: none"> • Added clarity to installation requirements for root deflectors. Removed inactive link to EGD information on tree planting. <p>4.1 General</p> <ul style="list-style-type: none"> • Added clarity to approval requirements for exposed pipelines.

Version	Date	Approval	Revisions
			<p>5.3 Drilling Across Pipelines</p> <ul style="list-style-type: none"> • Changed requirements for drilling perpendicular to a pipeline that is smaller than NPS 12. <p>7.1 General</p> <ul style="list-style-type: none"> • Added clarity. <p>7.2 Notification Requirements</p> <ul style="list-style-type: none"> • Added clarity. • Updated insurance requirements. <p>7.3 Guidelines for Blasting</p> <ul style="list-style-type: none"> • Added clarity. <p>8.3 Guidelines</p> <ul style="list-style-type: none"> • Added clarity. <p>9.0 Appendix</p> <ul style="list-style-type: none"> • Updated contact information. Added URL for Click Before You Dig.

Version	Date	Approval	Revisions
2.1	2015-Sep-30	Gonzalo Juarez Senior Engineering Construction & Maintenance	<p>2.2 NEB Pipelines & Vital Mains</p> <ul style="list-style-type: none"> Added requirement for new NPS 42 Vital Main for GTA project, EGD's approval is required for all work within 30 m of the pipeline. <p>2.3 Pipeline Location Verification</p> <ul style="list-style-type: none"> Table 2-2, 2-3, 2-4 and 2-5. Added specific pipeline verification requirement for horizontal directional drilling. <p>5.1 General</p> <ul style="list-style-type: none"> Added additional daylight hole requirement for horizontal directional drilling. <p>5.2 Drilling Parallel to Pipelines</p> <ul style="list-style-type: none"> For drilling parallel to the pipeline, changed distance requirement to be measured from the side of the pipeline instead of locate marks. <p>5.3 Drilling Across Pipelines</p> <ul style="list-style-type: none"> Added additional daylight hole requirement and diagram, for horizontal directional drilling.

Version	Date	Approval	Revisions
2.0	2018-Apr-10	Nick Thalassinos Chief Engineer	<p>2.0 General Requirements</p> <ul style="list-style-type: none"> • Added requirements for clearance for Vital Mains and NEB regulated pipelines. • Added daylight hole requirements • Updated clearance requirements. <p>3.0 Operation of Heavy Equipment</p> <ul style="list-style-type: none"> • Added Section 3.4 Damage to Enbridge Gas Distribution's Facilities. <p>5.0 Horizontal Directional Drilling</p> <ul style="list-style-type: none"> • New section. <p>6.0 Backfilling</p> <ul style="list-style-type: none"> • New section. <p>Appendix</p> <ul style="list-style-type: none"> • Updated contact numbers.
1.0	2007-Oct-01	Rob Fox Chief Engineer	Initial release.

Table of Contents

Revision History	i
Introduction	1
1.0 Definitions	2
2.0 General Requirements	4
3.0 Operation of Heavy Equipment	14
4.0 Support of Gas Pipelines	16
5.0 Horizontal Directional Drilling	22
6.0 Hydro-Excavation	26
7.0 Backfilling	28
8.0 Blasting Requirements	30
9.0 Pile Installation Or Compaction Requirements	35
10.0 Appendix	42

Introduction

This document is intended for anyone involved in planning or carrying out work in the vicinity of Enbridge Gas Distribution's (EGD) network. It summarizes the requirements to be followed and specifies the technical requirements aimed at protecting EGD's Facilities, and by extension, ensuring public and worker safety.

These Requirements supersede the prior version of EGD's *Third Party Requirements in the Vicinity of Natural Gas Facilities*, version 2.1 (2015). Version 3.0 (2018) is effective on June 6, 2018. Within this document, "Third Party" refers to an individual or organization that is not employed by or performing work under contract to EGD. These Requirements are applicable to work done by individuals such as homeowners, other utility companies, Excavators, Constructors, and Contractors.

Third Parties must follow the regulations and legislation applicable to their work in addition to these Requirements. It is understood that all legal provisions applicable to work carried out around natural gas Facilities take precedence over this document.

The terms "gas lines", "gas pipelines", and "mains" used throughout this document apply equally to natural gas mains and service lines, as well as any other component of the EGD's natural gas distribution system found on public or private land.

Note: The latest revision of this manual is available for download at <https://www.enbridgegas.com/~media/Extranet-Pages/Safety/Before-you-dig/Third-Party-Requirements-in-the-Vicinity-of-Natural-Gas-Facilities>.

1.0 Definitions

Terms used in the following document are defined as follows:

Applicant: The owner of the proposed work.

Blaster: The person or persons responsible for setting the charges and performing the blast.

Blasting, Surface: An operation involving the excavation of rock foundations for various types of structures, grade construction for highways or railroads, or canals (trenches) for water supply or collection purposes.

Blasting, Tunnel: Operations involving the piercing of below ground (generally horizontal) opening in rock.

Compaction: Any vibration generating operation which will result in a potential increase of the density of soils or controlled backfill materials. The means to increase the density may be static or dynamic.

Constructor: A person who undertakes a project for an owner and includes an owner who undertakes all or part of a project by himself or by more than one employer (as defined by Occupational Health & Safety Act).

Contractor or Excavator: Any individual, partnership, corporation, public agency, or other entity that intends to dig, bore, trench, grade, excavate, hammer into, or break ground with mechanical equipment or explosives in the vicinity of a gas pipeline or related Facility.

Enbridge Gas Distribution (EGD): EGD refers to Enbridge Gas Distribution Inc., Enbridge Gas New Brunswick LP, Gazifère Inc., St. Lawrence Gas Company Inc., Niagara Gas Transmissions Limited, 2193914 Canada Limited.

Facility: Any Enbridge Gas Distribution main, service, regulator station or storage Facility and its related components.

Ground Disturbance: Activities associated with mechanical excavation, hydro-excavation, directional drilling, blasting, piling, Compaction, boring, ploughing, grading, backfilling and Hand Digging.

Hand Dig: To excavate using either a shovel with a wooden or fiberglass handle, or using hydro vacuum excavation equipment. The

use of picks, bars, stakes or other earth piercing devices are not considered Hand Digging.

Independent Engineering Consultant: A Professional Engineer who is registered with the provincial or state Professional Engineering association and a holder of a Certificate of Authorization (C of A).

Locate Service Provider: Any entity that performs locates under the terms of a Locate Service Agreement.

Mark-ups: The formal review process used by infrastructure owners to evaluate and comment on proposed designs.

Pile: Any vertical or slightly slanted structural member introduced or constructed in the soil in order to transmit loads and forces from the superstructure to the subsoil; the structural member can also be used as a component of a retaining wall system.

Pile Driving: The placement of piles carried out by gravity hammer, vibratory hammer, auger, pressing, screwing or any combinations of the above methods.

Professional Engineer: An engineer registered and licensed with the provincial or state Professional Engineering Association in the jurisdiction in which the engineer is practicing.

Temporary Support: The support of gas pipelines before or during an excavation to protect the pipeline from its own weight; minimize deflection stresses.

Third Party: An individual or organization that is not employed by or performing work under contract to EGD (e.g. homeowners, other utility companies, Contractor, Excavators, Constructor etc.).

Vital Main: A subset of mains consisting of NEB-regulated (National Energy Board) pipelines, and select distribution pipelines.

2.0 General Requirements

2.1 Work in the Vicinity of Pipelines and Related Infrastructure

All work in the vicinity of gas Facilities must adhere to the requirements set forth in this document. Work includes, but is not limited to, any Ground Disturbance in the vicinity of Facilities or equipment crossing. Ground disturbance includes, but is not limited to, activities associated with mechanical excavation, hydro-excavation, directional drilling, blasting, piling, Compaction, boring, ploughing, grading, backfilling and Hand Digging. Locates are required before Ground Disturbance takes place.

A locate of the Facilities must be requested at least five (5) business days prior to beginning any work.

Table 2-1 Locate Contact Information

Area	Utility	Locates
Ontario	Enbridge Gas Distribution Inc.	Ontario One Call: www.on1call.com
Quebec	Gazifère	Info Excavation: www.info-ex.com
New Brunswick	Enbridge Gas New Brunswick	EGNB: 1-800-994-2762
New York	St. Lawrence Gas	Dig Safely New York: Dial 811

2.2 NEB-regulated Pipelines & Vital Mains

The NEB regulates natural gas, oil and commodity pipelines that extend beyond provincial, territorial or national boundaries. All work in the prescribed area (within 30 m (100 ft) from each side of the right of way of a NEB-regulated pipeline) must be reviewed by the applicable NEB-regulated operating company prior to commencing. This review is a regulatory requirement of the NEB.

Mains are designated as Vital Mains by EGD. The designation of pipelines as Vital Main may change at the discretion of EGD.

For the Enbridge Gas Distribution Inc. NPS 42 Vital Main, all work within 30 m (100 ft) from either side of the Vital Main must be approved

by EGD prior to commencing. For all other Vital Mains, all Ground Disturbance work within 3 m (10 ft) from either side of the Vital Main, must be approved by EGD prior to commencing. Approval by EGD may include specific conditions that Third Parties must follow. EGD may require representation on site for any Ground Disturbance work within the vicinity of Vital Main and NEB-regulated pipelines.

<p>NEB Vital Main</p>	<p>NEB-regulated pipelines and Vital Mains will be identified through locates and the Mark-Ups process. In these Requirements, special considerations for NEB-regulated pipelines and Vital Mains will be highlighted.</p>
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2.3 Pipeline Location Verification

Table 2-2 Pipeline Location Verification Requirements for NEB-regulated Pipelines and Vital Mains and Table 2-3 Pipeline Location Verification Requirements for All Other Pipelines indicates EGD’s minimum requirements for the verification of the pipeline location based on the nature of work. The frequency and location of test holes may change at the discretion of EGD. Additional test holes may be required to sufficiently confirm the location of the pipeline.

When using hydro-excavation as an alternative to Hand Digging, refer to Section 6.0: Hydro-Excavation for safe operating practices.

Note: For all pipelines (including NEB-regulated pipelines and Vital Mains), when drilling parallel to the pipeline, a minimum horizontal clearance of 1 m (3.3 ft) is required.

When crossing perpendicular to a pipeline that is smaller than NPS 12 (excluding NEB-regulated pipelines or Vital Mains), the vertical clearance outlined in Table 2-5 Minimum Clearance Between Gas Pipelines (Less than NPS 12) and Other Underground Structures may be used as long as all daylighting requirements are also followed.

When crossing perpendicular to a pipeline that is NPS 12 or larger, or crossing any NEB-regulated pipelines or Vital Mains, a minimum vertical clearance of 1 m (3.3 ft) is required. See Section 5.0: Horizontal Directional Drilling.

Table 2-2 Pipeline Location Verification Requirements for NEB-regulated Pipelines and Vital Mains

Location of Work Relative to Pipeline	Required Verification of Pipe Location by Hand Digging or Hydro-Excavation
Work within 3 m (10 ft) but not crossing main	Top and sides of pipeline
Work parallel to pipe, within 1 m (3.3 ft) of edge of pipe	Spacing of test holes must not exceed 4.5 m (15 ft)
Work parallel to pipe, 1 m - 3 m (3.3 ft - 10 ft) from edge of pipe	Spacing of test holes must not exceed 10 m (33 ft)
Crossing below pipeline (open excavation)	Top and sides of pipeline, and 0.6 m (2 ft) below the pipeline
Crossing above pipeline (open excavation)	Top and sides of pipeline, or 0.6 m (2 ft) below the proposed installation

Table 2-3 Pipeline Location Verification Requirements for All Other Pipelines

Location of Work Relative to Pipeline	Required Verification of Pipe Location by Hand Digging or Hydro-Excavation
Work within 3 m (10 ft) but not crossing pipeline	Top and sides of pipeline
Work parallel to pipe, within 1 m (3.3 ft)	Spacing of test holes must not exceed 4.5 m (15 ft)
Work parallel to pipe, 1 m - 3 m (3.3 ft - 10 ft) from edge of pipe	Spacing of test holes must not exceed 10 m (33 ft)
Crossing below pipeline (open excavation)	For less than NPS 12: all sides of the pipeline including 0.3 m (1 ft) below the pipeline
	For NPS 12 and larger: all sides of the pipeline including 0.6 m (2 ft) below the pipeline

Table 2-3 Pipeline Location Verification Requirements for All Other Pipelines

Location of Work Relative to Pipeline	Required Verification of Pipe Location by Hand Digging or Hydro-Excavation
Crossing above pipeline (open excavation)	For less than NPS 12: Top of pipeline and all sides of the pipeline, or 0.3 m (1 ft) below the proposed installation
	For NPS 12 and larger: Top of pipeline and all sides of the pipeline, or 0.6 m (2 ft) below the proposed installation

Table 2-4 Pipeline Location Verification and Clearance Requirements for HDD for all Pipelines (including NEB and Vital Mains)

Location of Work Relative to Pipeline ^a	Required Verification of Pipe Location by Hand Digging or Hydro-Excavation
Crossing below pipeline (HDD)	<p>All sides of pipeline (including below pipeline) exposed to 1.0 m (3.3 ft) from the pipeline’s sidewalls.</p> <p>Additional daylight hole at 2.0 m to 4.0 m (6.6 ft to 13.1 ft) prior to the daylight hole at the crossing, to verify depth and trajectory of drill head and backreamer.</p>
Crossing above pipeline (HDD)	<p>Top of pipeline and all sides exposed to 1.0 m (3.3 ft) or 1.0 m (3.3 ft) below the proposed installation.</p> <p>Additional daylight hole at 2.0 m to 4.0 m (6.6 ft to 13.1 ft) prior to the daylight hole at the crossing, to verify depth and trajectory of drill head and backreamer.</p>

a. See Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains).

2.4 Safe Excavation

NEB Vital Main	Mechanical excavation is not permitted within 3 m (10 ft) of NEB-regulated pipelines or Vital Mains, unless verified visually. After the exact location of the main is verified visually, mechanical excavation is allowed up to 1 m (3.3 ft) from the pipeline. Within 1 m (3.3 ft) of the NEB-regulated or Vital Main, only Hand Digging or hydro-excavation is allowed.
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For all other pipelines (excluding NEB-regulated and Vital Mains), mechanical excavation is not allowed within 1 m (3.3 ft) of the locate marks of the pipeline, until the exact location of the pipeline has been visually verified. The Excavator must expose the pipeline by Hand Digging or hydro-excavation. Once the pipeline is exposed, mechanical excavation is then permitted up to 0.3 m (1 ft) from the pipeline. Within 0.3 m (1 ft) of any pipeline, only Hand Digging or hydro-excavation is permitted.

Only hand held Compaction equipment may be used within 1 m (3.3 ft) of the sides or top of all gas pipelines.

Spoil from excavation must not be piled on the pipeline or its easement.

2.5 Points of Thrust

Additional precautions may need to be taken when working in the vicinity of points of thrust. Points of thrust occur at pipeline fittings such as elbows (45° or 90°), end caps, weld tees, reducers, closed valves, and reduced port valves. If a point of thrust is identified through the locate process, EGD may require additional time to review the proposed work area. In the event that the excavation involves exposing a point of thrust or exposing an area near a point of thrust, EGD may provide written specific instructions that are to be followed. Failure to follow these instructions can result in significant harm to persons, property and the environment.

2.6 Minimum Clearance from Other Structures

The following clearances must be maintained between the circumference of the gas pipeline and other underground structures:

Table 2-5 Minimum Clearance Between Gas Pipelines (Less than NPS 12) and Other Underground Structures

Direction	Minimum Clearance m (ft)
Horizontal	0.6 m (2 ft)
Vertical	0.3 m (1 ft)

Table 2-6 Minimum Clearance Between Gas Pipelines (NPS 12 and larger) and Other Underground Structures

Direction	Minimum Clearance m (ft)
Horizontal	0.6 m (2 ft)
Vertical	0.6 m (2 ft)

Table 2-7 Minimum Clearance Between NEB-regulated pipelines and Vital Mains and Other Underground Structures

Direction	Minimum Clearance m (ft)
Horizontal	1 m (3.3 ft)
Vertical	0.6 m (2 ft)

When crossing EGD’s pipelines, all proposed installations must be installed as close to a 90° angle as possible.

Additional clearance or mitigation may be required for installations (such as transit systems or power transformers) that will introduce DC stray current interference or AC fault hazards.

Note: For all pipelines (including NEB-regulated pipelines and Vital Mains), when drilling parallel to the pipeline, a minimum horizontal clearance measured from the edge of the pipeline to the edge of the final bore hole of 1 m (3.3 ft) is required.

When drilling across pipelines that are smaller than NPS 12 (excluding NEB-regulated pipelines and Vital Mains), the vertical clearance, measured from the edge of the pipeline and the edge of the final bore hole, may follow the vertical clearance outlined in Table 2-5 Minimum Clearance Between Gas Pipelines (Less than NPS 12) and Other Underground

Structures as long as all daylighting requirements are also followed.

When drilling across pipelines that are NPS 12 or larger, or crossing any NEB-regulated pipelines or Vital Mains, a minimum vertical clearance, measured from the edge of the pipeline to the edge of the final bore hole, of 1 m (3.3 ft) is required. See Section 5.0: Horizontal Directional Drilling.

Table 2-8 Minimum Cover Requirements

	Location	Min. Cover m (ft)
Mains	Under traveled surfaces (roads), Road Crossings	1.2 m (4 ft)
	Right-of-way	1 m (3.3 ft)
	Highways	1.5 m (5 ft)
	Railways – Cased	1.7 m (5.5 ft)
	Railways – Uncased	3.1 m (10 ft)
	Below drainage and irrigation ditch	1 m (3.3 ft)
Services	Private property	0.5 m (1.6 ft)
	Streets and Roads	0.9 m (2.9 ft)

2.7 Blasting, Pile Installation, and Compaction

Blasting, Pile installation or Compaction activities in the vicinity of EGD’s Facilities require the prior approval of EGD.

Written notification from the owner of the proposed work must be submitted to EGD at the contact information listed in the Appendix. The request must be submitted a minimum of four (4) weeks prior to beginning work to allow sufficient time for review. See Section 8.0: Blasting Requirements, and Section 9.0: Pile Installation Or Compaction Requirements, for specific responsibilities.

<p>NEB Vital Main</p>	<p>Piles within 3.0 m (10 ft) of NEB-regulated pipelines and Vital Main must be installed using an auger, unless otherwise approved by EGD.</p> <p>Vibration and displacement monitoring must be conducted, and communicated to EGD daily. Work must stop if the peak particle velocity exceeds 50 mm/sec (2 in./s) or displacement exceeds 50 mm (2 in.).</p> <p>The use of an auger will not be permitted within 1 m (3.3 ft) of a NEB-regulated pipeline or Vital Main, unless approved by EGD.</p>
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2.8 Repair of Damaged Pipe and Pipe Coating

In all cases where the pipeline or the pipeline coating is damaged by construction activities, contact EGD immediately and leave the excavation open until EGD personnel have made the necessary repairs.

2.9 Encroachment

Permanent awnings and roof structures are prohibited above EGD’s Facilities within the public right-of-way, or EGD’s right-of-way. EGD will not accept responsibility for any damages resulting from maintenance or operation of its Facilities to encroaching structures within the public or EGD right-of-ways. Example of encroaching structure may include: bus shelters, street benches or garbage bins.

EGD requires that all permanent structures be built a minimum of 7 m (22.9 ft) away from EGD’s Vital and NEB-regulated pipelines and Vital Mains, unless otherwise approved by EGD. This requirement is in place as to allow EGD sufficient access and working space should an inspection or repair be needed.

2.10 Tree Planting

When planting trees, the gas pipeline in and near the area of excavation must be located to ensure sufficient clearance is maintained between the pipeline and the tree.

<p>NEB Vital Main</p>	<p>For pipelines regulated by the NEB-regulated pipelines and Vital Mains, trees or large shrubs must have a minimum horizontal clearance between the edge of the root ball or open bottom container and adjacent edge of the existing pipeline of not less than 2.5 m (8 ft).</p>
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For all other pipelines (excluding NEB-regulated pipelines and Vital Mains), a minimum horizontal clearance of 1.2 m (4 ft) is recommended between the edge of the root ball or open bottom container and adjacent edge of the existing gas pipeline.

In cases where the recommended clearance cannot be achieved, EGD may specify the installation of a root deflector.

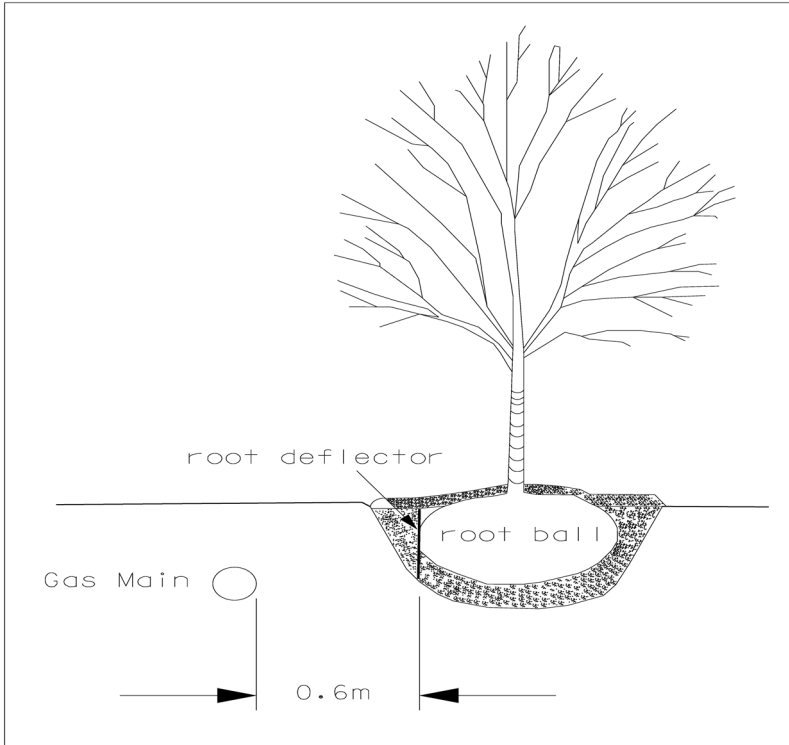
Root Deflectors

A root deflector is a physical barrier placed between tree roots and pipelines to prevent damage to the pipelines. A root deflector can be made from ¼ in. thick rigid plastic, fiberglass or other non-degradable material. The root deflector is intended to prevent the root tips from attaching to the gas main.

Typically, root deflectors are straight barriers or encircle the tree. If installed as a straight barrier, the root deflector should be installed 0.6 m (2 ft) from the pipeline on the tree-side of the pipeline. Also, it should extend parallel to the pipeline in both directions for 1.2 m (4 ft) measured from the center of the tree trunk.

Root deflectors usually have a collar to keep the top of the deflector at ground level, and extend down to the bottom of the root-ball as shown in Figure 2-1 Example of a Root Deflector.

Figure 2-1 Example of a Root Deflector



3.0 Operation of Heavy Equipment

3.1 General

Additional precautions are necessary when equipment in excess of the weights listed in Table 3-1 Vehicle Load Restrictions is operated in the vicinity of buried Facilities where no pavement exists or where grading operations are taking place.

Table 3-1 Vehicle Load Restrictions

Pipe Material	Weight/Axle Maximum Allowable Load kg (lb)
Plastic	7,000 kg (15,400 lb)
Steel	10,000 kg (22,046 lb)

Prior to any crossing, the location of the gas main must first be staked out by an EGD representative.

The Excavator is responsible for confirming the location and depth of the main. Test hole spacing must not exceed 50 m (160 ft).

3.2 Equipment Moving Across the Pipeline

Crossing locations for heavy equipment must be kept to a minimum.

The crossing locations must be determined by EGD after reviewing:

- The nature of the construction operation
- The types and number of equipment involved
- The line and depth of the existing gas main

The use of equipment is contingent upon the review by EGD.

Once the crossing locations have been established, heavy equipment is restricted to crossing at these locations only. It is the responsibility of the Third Party to inform their personnel of the crossing location restrictions.

Pipelines may require additional protection at crossing locations by constructing berms and/or installing steel plates over the pipeline.

Equipment must be operated at “dead-slow” speed when crossing pipelines in order to minimize loading impact. The pipeline must also be crossed at a 90° angle.

3.3 Equipment Moving Along the Pipeline

Heavy equipment can be operated parallel to existing pipelines provided that a minimum offset of 1 m (3.3 ft) is maintained on pipeline sizes less than NPS 12 and 2 m (6.6 ft) on pipeline sizes NPS 12 and larger, unless otherwise directed by EGD.

Only lightweight, rubber-tired equipment may be operated directly over the existing gas pipelines, unless a minimum pipe cover of twice the pipe diameter or 1 m (3.3 ft) (whichever is greater) can be verified. The use of all other equipment is contingent upon review and approval by EGD.

3.4 Damage to Enbridge Gas Distribution's Facilities

If damage to EGD's Facilities occurs, all work must stop and the damage must be reported immediately by calling the Emergency Contact numbers listed in the Section 10.0: Appendix.

4.0 Support of Gas Pipelines

4.1 General

The support requirements specified in this section are the minimum requirements. EGD must be notified regarding the support of any gas main. EGD has complete discretion in the approval of any support system. Additionally, if a pipeline is to be exposed for longer than one month, approval must be sought from EGD and work must follow the requirements outlined in Section 2.0: General Requirements.

Third Parties must not depart from these support requirements unless a Professional Engineer working for or on behalf of the Third Party has designed an alternative method. Any alternative method must be comparable to these specifications and be, in the opinion of the Professional Engineer, consistent with good engineering practices. The alternative specification must be documented, approved by a Professional Engineer and provided to EGD for review prior to the commencement of work.

The Third Party is responsible for the adequate support of the buried gas pipelines exposed during excavation according to this section.

4.2 Support of Gas Pipelines Perpendicular to Excavation

Temporary Support must remain in place until the backfill material underneath the pipeline is compacted adequately to restore support of the pipeline.

Before trenching beneath a main or service, Temporary Support must be erected for pipelines if the unsupported span of pipe in the trench exceeds the length indicated in Table 4-1 Maximum Span without Support Beam.

Note: For pipelines larger than NPS 8, contact EGD. Contact information can be found in the Section 10.0: Appendix.

When Temporary Support is required, Table 4-2 Support Beam Sizes and Maximum Span Between Beam Supports indicates the required beam for a given span. The beam must be a continuous length grade No. 1 Spruce-Pine-Fir (S-P-F) or equivalent. For spans exceeding 4.5 m (15 ft), a continuous length timber beam may not be available. In

that case, steel I-beams (or equivalents) can be used as the support beam. Steel beam selection must be certified by a Professional Engineer.

Table 4-1 Maximum Span without Support Beam

Pipe Size (NPS)	Steel m (ft)	PE (polyethylene) m (ft)
½	2 m (6.6 ft)	1 m (3.3 ft)
¾ to 1¼	2.5 m (8.2 ft)	1.25 m (4.1 ft)
2	3 m (10 ft)	1.5 m (5 ft)
3 to 4	4.5 m (15 ft)	1.75 m (6 ft)
6	6 m (20 ft)	2 m (7 ft)
8	7 m (23 ft)	2 m (7 ft)

Table 4-2 Support Beam Sizes and Maximum Span Between Beam Supports

Pipe Size (NPS)	Steel		PE	
	2 m (6.6 ft)	4.5 m (14.7 ft)	2 m (6.6 ft)	4.5 m (14.7 ft)
½ to 2	Nil	4 × 6	4 × 4	4 × 6
3 to 6	Nil	Nil	4 × 4	6 × 6

The beam must be placed above the pipe with the ends of the beam resting on firm undisturbed soil. The beam must not bear directly on the gas line. The pipe must be supported from the beam with rope, canvas sling, or equivalent in a manner that will prevent damage to the pipe and coating, and eliminate sag. The spacing between the ropes must not exceed 1 m (3.3 ft) (see Figure 4-1 Support of Gas Pipelines Crossing Excavations).

Backfill material underneath the exposed pipeline must be compacted to a minimum of 95% standard Proctor density. Sand padding must be placed to a level 150 mm (6 in.) below and above the main. See Section 7.0: Backfilling for additional details.

Perform Compaction with the loose lift height not exceeding 200 mm (8 in.) or one-quarter of the trench width, whichever is less. Injecting water into the backfill beneath the pipe is not an acceptable method of Compaction.

All Temporary Support on pipelines must be removed before backfilling. Adequate support must remain in place until the backfill material has restored support.

4.3 Support of Pipelines Parallel to Excavation

Trench wall support may not be required for excavations less than 1.2 m (4 ft) deep. In this case, support is not required if the pipeline is at least 0.6 m (2 ft) from the edge of the excavation or outside the 45° line projected upward from the trench bottom (see Figure 4-2 Influence Lines for Gas Pipelines Adjacent to Excavations). If the pipe does not meet these requirements and the soil is soft clay or sand (soil types 3 and 4), the excavation must be suitably shored to prevent movement of the pipe. The shoring must remain in place until the backfill material has restored support.

Trench wall support is required for excavations with the following conditions: depth is equal or greater than 1.2 m (4 ft), the pipeline is closer to the edge of the excavation than the minimum allowed distance indicated in Table 4-3 Minimum Allowed Distance from Main to Excavation, or the soil is unstable.

Minimum distances from the edge of the trench to the pipeline in which the excavation influences pipelines are shown in Table 4-3 Minimum Allowed Distance from Main to Excavation. The pipeline must be supported if these minimum distances cannot be met.

Table 4-3 Minimum Allowed Distance from Main to Excavation

Minimum Allowed Distance from Main to Excavation		
Trench Depth (m)	Soils ^a Type 1 & 2	Soils ^a Type 3 & 4
1.2 m (3.9 ft)	0.9 m (3 ft)	0.9 m (3 ft)
1.5 m (4.9 ft)	0.9 m (3 ft)	0.9 m (3 ft)
1.8 m (5.9 ft)	0.9 m (3 ft)	0.9 m (3 ft)
2.1 m (6.9 ft)	0.9 m (3 ft)	0.9 m (3 ft)

Table 4-3 Minimum Allowed Distance from Main to Excavation

Minimum Allowed Distance from Main to Excavation		
Trench Depth (m)	Soils^a Type 1 & 2	Soils^a Type 3 & 4
2.4 m (7.9 ft)	0.9 m (3 ft)	0.9 m (3 ft)
2.7 m (8.9 ft)	0.9 m (3 ft)	1 m (3.3 ft)
3 m (9.8 ft)	0.9 m (3 ft)	1.5 m (4.9 ft)
3.3 m (10.8 ft)	0.9 m (3 ft)	1.8 m (5.9 ft)
3.6 m (11.8 ft)	0.9 m (3 ft)	2.2 m (7.2 ft)
3.9 m (12.8 ft)	0.9 m (3 ft)	2.5 m (8.2 ft)
4.2 m (13.8 ft)	0.9 m (3 ft)	3 m (9.8 ft)
4.5 m (14.8 ft)	1 m (3.3 ft)	3.4 m (11.2 ft)
4.8 m (15.7 ft)	1.5 m (4.9 ft)	3.8 m (12.5 ft)
5.1 m (16.7 ft)	2 m (6.6 ft)	4.1 m (13.5 ft)
5.4 m (17.7 ft)	2.5 m (8.2 ft)	4.6 m (15.1 ft)
5.7 m (18.7 ft)	3 m (9.8 ft)	5 m (16.4 ft)
6 m (19.7 ft)	3.4 m (11.2 ft)	5.5 m (18 ft)

a. As defined in the Occupational Health and Safety Act.

For pipelines where the trench bottom is below the water table, the trench must be suitably shored as required in Section 4.3: Support of Pipelines Parallel to Excavation.

For pipelines within the minimum distances given in Table 4-3 Minimum Allowed Distance from Main to Excavation, shoring must remain in place until backfill material restores support.

Any pipeline that is exposed for a length greater than indicated in Table 4-1 Maximum Span without Support Beam requires a field assessment.

Figure 4-1 Support of Gas Pipelines Crossing Excavations

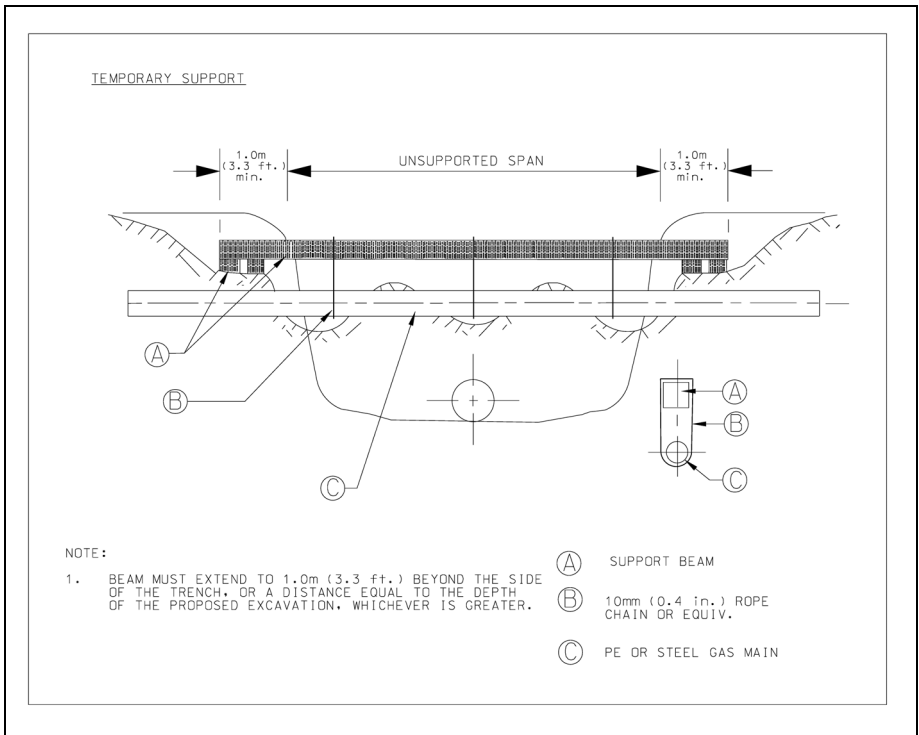
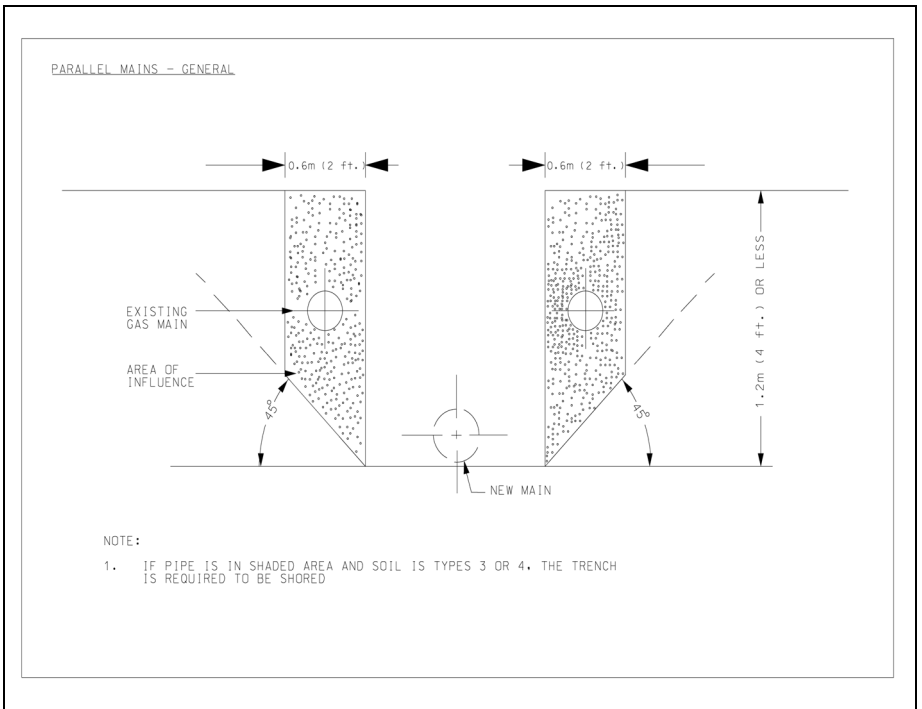


Figure 4-2 Influence Lines for Gas Pipelines Adjacent to Excavations



5.0 Horizontal Directional Drilling

5.1 General

Horizontal Directional Drilling (HDD) or Directional Boring is a steerable trenchless method of installing underground Facilities.

For installations using any other type of drilling or augering equipment in the vicinity of gas Facilities, contact EGD.

In all cases, daylight holes are required to visually verify the drill head's location (including depth) relative to the measurement of the tracking equipment. For daylight hole requirements, see Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains).

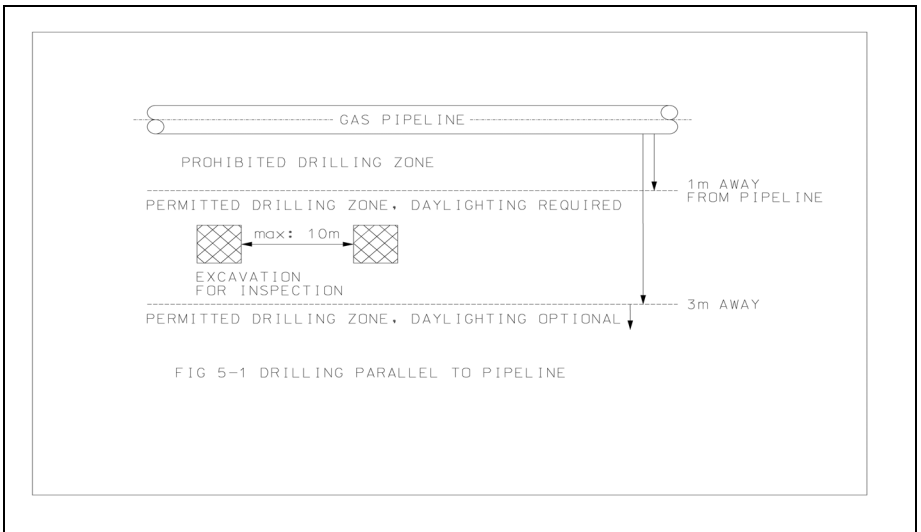
5.2 Drilling Parallel to Pipelines

When the proposed route is parallel to a natural gas pipeline at a perpendicular distance of 3 m (10 ft) or less, daylighting must be performed at intervals of no more than 10 m (33 ft) along the drilling path so that the precise location of the drilling head and backreamers (if any) can be verified visually. These excavations must be sufficiently wide to see the entire width of the drilling head, backreamers and structures from entry point to exit point.

The location of the pipeline must be visually confirmed as per the requirements set out in Table 2-2 Pipeline Location Verification Requirements for NEB-regulated Pipelines and Vital Mains and Table 2-3 Pipeline Location Verification Requirements for All Other Pipelines.

No drilling installation is to be performed within a distance of 1 m (3.3 ft) or less from either side of the pipeline. This prohibited zone may be widened in some cases.

Figure 5-1 Drilling Parallel to Pipelines



5.3 Drilling Across Pipelines

When the proposed drill path crosses an EGD pipeline, the pipeline must be exposed to the desired depth of the crossing to ensure that the natural gas pipeline is not affected and that the required clearance is maintained during all drilling operations. All minimum clearances must be measured from the outer edge of the drill, including backreamers (if any), to the outer circumference of the pipeline.

To assure that the directional drilling operation will not result in damage to the pipeline, the following daylight hole requirements must be followed:

- A pipeline daylight hole must be created that is sufficiently wide enough to see the drill head and backreamer entering the excavation at a minimum of 1 m (3.3 ft) before crossing the pipeline. See Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains) Daylight Hole 1.
- A second daylight hole must be created prior to reaching the pipeline such that the precise location of the drill head and backreamer (if any) can be verified visually. The daylight hole

must be sufficiently wide to measure the depth and trajectory of the drill head and backreamer. See Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains) Daylight Hole 2.

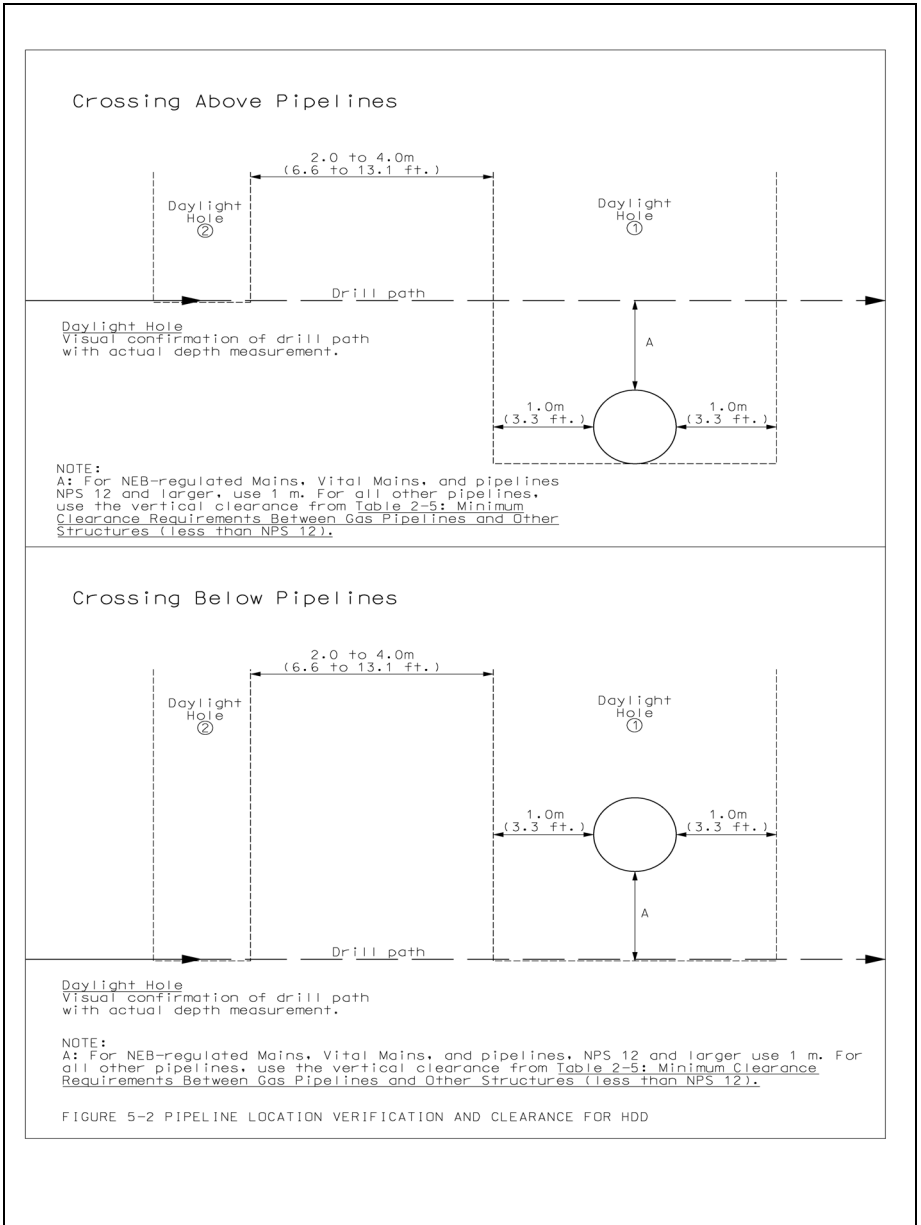
See Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains).

When drilling across pipelines that are smaller than NPS 12 (excluding NEB-regulated pipelines and Vital Mains), the vertical clearance, measured from the edge of the pipeline and the edge of the final bore hole, may follow the vertical clearance outlined in Table 2-5 Minimum Clearance Between Gas Pipelines (Less than NPS 12) and Other Underground Structures as long as all daylighting requirements are also followed.

When drilling across pipelines that are NPS 12 or larger, or crossing any NEB-regulated pipelines or Vital Mains, a minimum vertical clearance, measured from the edge of the pipeline to the edge of the final bore hole, of 1 m (3.3 ft.) is required. See Section 5.0: Horizontal Directional Drilling.

The location of the pipeline must be visually confirmed as per the requirements set out in Table 2-2 Pipeline Location Verification Requirements for NEB-regulated Pipelines and Vital Mains and Table 2-3 Pipeline Location Verification Requirements for All Other Pipelines. See Section 2.6: Minimum Clearance from Other Structures for specified minimum clearances.

Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains)



6.0 Hydro-Excavation


6.1 General

Hydro-excavation, also known as hydrovac, is the non-destructive process in which pressurized water is utilized as a method of excavation through loosening and suction of the soil, rocks, and other earth materials. Hydro-excavation machines are an alternative to hand digging to locate and expose pipelines.

6.2 Hydro-Excavation Procedures

The following procedures shall be followed at all times when excavating with hydro-excavation technology:

1. Prior to starting work, obtain the required locates. Operation of hydro-excavation equipment should only be performed by competent and qualified workers.
2. Spinning tip nozzles must be used for hydrovac excavations with water pressures that must not exceed the maximum water pressure of 20684 kPa (3000 psi) during excavation. Pressure measures shall be permanently monitored using a calibrated device mounted on either the hydro-excavation machine (truck, pump), or the wand when using a spinning tip nozzle.
3. Ensure that the wand shall never remain motionless during excavation. Avoid aiming directly at the plant at all times.
4. Maintain a distance of 20 cm (8 in.) between the end of the pressure wand nozzle and the plant and/or subsoil. Never insert the nozzle into the subsoil while excavating above the plant.
5. Hydro-excavation equipment and nozzles used must have been specifically designed for use above buried gas lines or other reasonably expected underground gas plant.
6. Install a device capable of stopping the excavation on demand, such as a dead man trigger or valve on the wand.
7. If heated water is used during excavation, the temperature and pressure of the water must not exceed 115°F (45°C) and 17250 kPa (2500 psi), respectively.

- 
8. The excavator must contact the gas utility if any damage to gas plant occurs while using hydro-excavation technology or any other method of excavation.

7.0 Backfilling

7.1 General

The gas pipeline must be inspected by EGD for damages before backfilling the excavation. It is the Third Party's responsibility to ensure that the gas pipeline is not undermined or endangered in any way. If any damage occurs, contact EGD immediately at the Emergency phone numbers listed in Section 10.0: Appendix.

Backfilling must be done in such a manner as to prevent any rocks from being placed at or near the surface of the pipe. Native excavated material must be used as backfill unless otherwise directed by EGD. Where native material is unsuitable, 150 mm (6 in.) of approved earth or sand padding must be placed over the pipe for protection. Topsoil must not be used for backfilling.


Aggregate backfill must be replaced in 300 mm (12 in.) layers. Each layer must be thoroughly compacted by pneumatic tampers or an equivalent method acceptable to EGD to ensure no settlement.

The final layer must be smoothed down with a grader (or a rake for small scale projects) and must be tamped flush or slightly higher than the surrounding ground surface in order to prevent ponding of water and accommodate any future soil subsidence over the trench line.

Backfilling a flooded trench will not be allowed. The Third Party is responsible for the removal of water from the trench, before backfilling. If backfilling on a slope, the backfill must first be placed from the bottom of the slope, then the filling should continue by building upwards. This will prevent large voids in the backfill which can occur when the backfill is dumped from the top of a slope.

Backfill and Compaction within road allowances must be completed in accordance with the local governing authority. Any excess spoil must be removed as specified by EGD.

Unshrinkable fill or other engineered backfill material must be installed only when requested by the municipalities, local governing authority or as directed by EGD. The pipe and valve assemblies must be sand padded before placement of unshrinkable fill. The Third Party must ensure that placement of the unshrinkable fill does not displace sand padding or directly contact the pipeline.



The final covering of gas pipelines must adhere to municipal requirements.

8.0 Blasting Requirements

8.1 General

Before any blasting operation in the vicinity of a gas pipeline can occur, the hazards to EGD's plant must be evaluated. Responsibility for the design of the blast and any resultant damage is borne entirely by the Party using the explosives.

A recognized independent blasting consultant must be retained at the Applicant's expense to perform an evaluation of the blast design. The independent blasting consultant must be an Independent Engineering Consultant specialized in blasting. The copy of the stamped consultant's validation report of the blast must be submitted to EGD for review if the blasting will occur within 30 m (100 ft) of EGD's Facilities.

If in the opinion of EGD or an independent blasting consultant, blasting cannot be carried out without affecting the Facility's integrity, alternatives must be considered, including the replacement or relocation of the affected Facility at the Applicant's expense. In these situations, additional time must be allowed to obtain the necessary permits and to complete the necessary construction work.

In the event a third party is affected as a result of the blasting operations, all expenses associated therewith incurred by EGD must also be at the Applicant's expense.

Ontario: The Third Party must comply with the Ontario Provincial Standard Specification (OPSS 120 – General Specification for the Use of Explosives) in addition to EGD's blasting requirements.

New Brunswick: The Third Party must comply with the New Brunswick Provincial Standard Specification (NB Reg 89-108) in addition to EGD's blasting requirements.

Quebec: The Third Party must comply with Quebec's Acts regarding explosives (CQLR c E-22 and CQLR c E-22, r 1) and Safety Code (CQLR c S-2.1, r 4), in addition to EGD's blasting requirements.

8.2 Notification Requirements

Surface Blasting Applications

For Surface Blasting, a letter must be obtained from the Applicant, which includes:

- Name of the owner of the project, general Contractor and design engineer.
- Name of the blasting Contractor and person in charge of the blast.
- Proof of liability insurance in the minimum amount of \$5 million per occurrence. Additional insurance requirements may be necessary. The certificate provided should indicate Enbridge Gas Distribution Inc. or the specific affiliate name as additional insured.
- Date for the blasting operation.
- A copy of a construction drawing drawn to scale indicating:
 - Map/sketch/detail of blasting zone showing the location of the gas Facilities and other public utilities (i.e. Bell, hydro, water).
 - Details of the proposed drilling and loading pattern for explosives.
 - Diameters of drilled holes, relative to EGD's Facilities.
- Predicted vibration levels anticipated at any affected Facilities.
- Number and timing of delays.
- Total explosive weight to be detonated per delay.
- Specifications for the type of explosives to be used.
- Controls to be used to confirm vibration levels (i.e. seismographs).
- Potential stabilization of rock face and type of potential stabilization techniques (i.e. rock anchors, shot crete, ribs, etc.).
- Geological parameters (borehole logs or geological reports) which indicate the design of the blast are acceptable.

- Written confirmation that the blasting operation will be carried out by qualified workers with appropriate engineering supervision.

Tunnel Blasting Applications

For Tunnel Blasting, the Applicant's letter must contain all information required in the Surface Blasting application as set out above. In addition, the required independent blasting consultant's report must include:

- Location plan and profile views with construction drawing or sketch drawn to scale.
- Evaluation of geotechnical data.
- Exact stand-off distances, horizontal and direct (radial).
- Type of advancement proposed and type of tunnel method; full face, top-heading and bench, pilot tunnel.
- Type of tunnel lining proposed.
- Other pertinent information specific to tunneling techniques.
- The use of preventative blasting techniques such as line drilling, cushion blasting, etc.

To assist with the preparation of the written request, locates to determine the location of the Facilities should be requested. Lists of regional addresses and phone numbers are outlined in Section 10.0: Appendix.

8.3 Guidelines for Blasting

The information provided in this section is not to be construed as an exhaustive list of performance specifications, but rather a guide for conducting blasting in the vicinity of EGD's Facilities. The Third Party is responsible for ensuring that all blasting work is performed in a good and workmanlike manner in accordance with all applicable laws, codes, by-laws, and regulations.

The Third Party will be held liable for and indemnify EGD in relation to any and all damage directly or indirectly caused or arising as a result of blasting operations carried out by the Applicant, its employees, Contractors or those for whom the Applicant is responsible at law.

Prior to blasting operations, a site meeting must be arranged with an authorized representative of the Applicant and an EGD representative to confirm the location of EGD's Facilities and details of the proposed blast.

EGD's pipelines must not be excavated prior to blasting. If excavation is unavoidable, then the pipeline must be properly supported according to EGD's requirements as stated in Section 4.0: Support of Gas Pipelines. The Third Party must take suitable precautions to protect the exposed pipeline from fly-rock. Blasting mats must be used to minimize the risk of fly-rock.

Explosives must be of a type which must not propagate between holes or be desensitized due to compression pressures. Explosives must not be left in the drill hole overnight.

If a Surface Blast is:


- Located less than 10 m (33 ft) from pipeline, and
- Creates its first blast hole at a depth equal to the top of the pipeline, and
- The depth of subsequent blast holes exceeds one half of the horizontal distance to the closest portion of the pipeline,

then, the required independent blasting consultant's report must specifically address the impact of these conditions. This is not applicable for Tunnel Blasting operations. Monitoring of blasting vibrations with a portable seismograph capable of transmitting data instantaneously (e.g., via email or cellular) to the required reviewer in the vicinity of EGD's Facilities is mandatory to confirm that predicted vibration levels are respected. On a daily basis, a copy of the seismographic report must be provided to EGD.

Peak Particle Velocity (PPV) must be limited to **50 mm/sec (2 in./s)** and maximum amplitude must be limited to 0.15 mm (0.006 in.).

8.4 Post Blasting Operation

A leak survey will be completed at the end of each day of blasting. Upon completion of daily blasting operations and within 30 days after the final blasting, EGD will conduct a leak survey of the pipeline at the Third Party's expense. Leak survey will also be completed at the end of each day of blasting. Damage that has resulted from the blasting will be



repaired at the Third Party's expense. A summary of all blasting operations including blasting logs, vibration control, seismograph reports and other pertinent information must be provided to EGD by the Third Party daily and at the completion of blasting operations.

9.0 Pile Installation Or Compaction Requirements

9.1 General

Pile installation or Compaction activities in the vicinity of EGD's Facilities must be evaluated by EGD prior to beginning. Any resultant damage as a result of these activities will be borne entirely by the Third Party undertaking the proposed work.

If in the opinion of EGD, the particular Pile installation or Compaction operation cannot be carried out without affecting the pipeline or Facility integrity, the following must be considered:

- Risk analysis and/or mitigation program for the proposed operation.
- Alternate construction methods.
- Relocation or replacement of the Facility.

All costs incurred will be covered by the Third Party undertaking the proposed work and final approval for the work will be granted by EGD.

Piles installed using an auger must satisfy the locating and clearance requirements listed in Section 2.3: Pipeline Location Verification and Section 2.6: Minimum Clearance from Other Structures, respectively. EGD must provide approval for the installation of Piles within 3 m (10 ft) of a NEB-regulated pipeline or Vital Main.

The Third Party will be responsible for all costs related to customer interruption as well as costs incurred because of work delays. In the event a Third Party is affected as a result of the Pile installation and/or Compaction operations, all expenses associated therewith incurred by EGD will be passed to the Third Party.

9.2 Pile Installation or Compaction Application

The application to Pile Drive or do Compaction work must be sent to EGD. Contact information can be found in Section 10.0: Appendix. The application must include the following:

- Name of project owner, general Contractor and applicable sub-Contractors.

- A copy of the permits, certificates or other forms that are municipal bylaw requirements.
- Name of design engineer and a copy of the construction plans with drawings. These must detail the Facilities that can be affected.
- The type of piles and equipment to be used, and the control methods to prevent pile deviation.
- Geo-technical reports and other applicable information.
- A copy of the location of other public utilities: telephone, cable TV, sewer and water mains, electrical services, etc.
- A technical report with appropriate analysis and prediction of the vibration levels according to the opinion of an Independent Engineering Consultant specialized in vibration control and analysis.

This work must be completed under the supervisor of qualified personnel. Vibration results must be provided to EGD on a daily basis.

9.3 Guidelines for Pile Installation and Compaction Work

The information provided in this section is not to be construed as an exhaustive list of performance specifications, but rather a guide for conducting Pile installation and Compaction work in the vicinity of EGD's Facilities. The Third Party is responsible for ensuring that all Pile installation and Compaction work is performed in accordance with all applicable laws, codes, by-laws and regulations.

No operations must be permitted within a standoff distance of 1.5 m (5 ft) from the pipeline or other natural gas Facility, unless approved by EGD.

Prior to Pile installation and/or Compaction work, a site meeting must be arranged with an authorized representative of the Third Party and an EGD representative to confirm the location of EGD's Facilities and the details of the proposed work.

The pipeline should not be excavated prior to the Piling or Compaction operation. If excavation of the pipeline is necessary, then it must be properly supported in accordance with Section 4.0: Support of Gas Pipelines.

The following situations will require the opinion of an Independent Professional Engineer:

1. Compaction of soils or backfill rated at 10,000 ft-lbs (13,600 Nm) or higher at a stand-off distance of 6 m (20 ft) or less from the pipeline.
2. Pile Driving at a stand-off distance of 10 m (33 ft) or less from the pipeline Facility.
3. High-energy dynamic Compaction for the rehabilitation of soils at a stand-off distance of 30 m (100 ft) or less from the pipeline.
4. Type 4 soil as defined in Article 226 of the Occupational Health and Safety Act and Regulations for Construction Projects (See Section 9.5: Soil Types).

For these situations, the appropriate number of seismographs to monitor vibrations is mandatory. The seismographs must be the portable type with the capability of transmitting data instantaneously (e.g., via email or cellular). This control will confirm the intensity of the vibrations generated by the Pile installation or Compaction work as projected. Furthermore, reports of recorded intensities must be provided on a regular basis or at the request of EGD.

The **Peak Particle Velocity (PPV)** measured on the pipeline, or at the closest point of the related structure with respect to the work, must not exceed **50 mm/sec (2 in./s)**. Furthermore, the maximum displacement for the vertical and/or horizontal component corresponding to the above stated vibration intensity must not exceed 50 mm (2 in.) at any given length of the pipeline in question.

If the PPV or displacement limit is surpassed, all operations must stop notwithstanding any delays or costs incurred by the Third Party or owner of the proposed work. EGD will require that the cause of these higher vibrations or displacements be investigated. EGD may arrange for a leak survey to be conducted. EGD's Engineering Department must approve resumption of operations.

Should a situation with low energy Compaction operations with a soil cover of less than 1.5 m (5 ft) above the pipeline at a stand-off distance of 3 m (10 ft) or less from a pipeline be encountered, EGD may require the opinion of an Independent Engineering Consultant.

In addition, if a Type 3 soil (see Section 9.5: Soil Types) is present on site, EGD may require the opinion of an Independent Engineering Consultant.

The use of an auger may be required in order to avoid the use of piles.

All operations must comply with the Provincial Occupational Health and Safety Act and Regulations for Construction Projects, other applicable laws and regulations, as well as all applicable EGD specifications, standards and guidelines.

9.4 Post Piling or Compaction Operations

The Third Party must send EGD the items that follow within five (5) business days of the completion of the pile installation via Pile Driving or Compaction operations:

- A summary of all operations.
- Pile Driving and Compaction logs.
- Vibration control records.
- Seismograph records.

On completion of each day's work, and approximately 30 days after all work is completed, EGD will arrange to conduct a leak survey of the Facility. If damage to EGD's Facilities is found, it will be repaired by the Third Party. An invoice will be sent to the Third Party responsible for the work.

Table 8-1 Maximum Vibration Intensities Expected from Pile Driving

$\sqrt{(E/D)}$	Particle Velocity (in./s)			$\sqrt{(E/D)}$	Particle Velocity (mm/s)		
	Dry Sand	Wet Sand	Clay		Dry Sand	Wet Sand	Clay
0.10	0.020	0.030		0.10	0.43	0.74	
0.22	0.040	0.060	0.010	0.22	0.97	1.50	0.25
0.30	0.050	0.080	0.020	0.30	1.27	1.27	0.43
0.40	0.070	0.110	0.040	0.40	1.75	2.80	0.66
0.50	0.080	0.130	0.040	0.50	0.06	3.30	1.02
0.60	0.100	0.180	0.050	0.60	2.54	4.57	1.27
0.70	0.110	0.200	0.060	0.70	2.80	5.08	1.52
0.80	0.130	0.230	0.080	0.80	3.30	5.84	1.96
0.90	0.160	0.270	0.090	0.90	4.06	6.86	2.29
1	0.180	0.290	0.100	1	4.57	7.37	2.54
2	0.330	0.590	0.300	2	8.38	14.99	7.62
3	0.560	0.880	0.580	3	14.22	22.35	14.73
4	0.700	1.100	0.890	4	17.78	27.94	22.61
5	0.880	1.400	1.100	5	22.35	35.56	27.94
6	1.050	1.850	1.800	6	26.67	46.99	45.72
7	1.100	2.010	2.010	7	27.94	50.80	50.80
8	1.400	2.300	2.400	8	35.56	58.42	60.96
9	1.750	2.800	3.100	9	44.45	71.12	78.74
10	1.850	2.900	3.400	10	46.99	73.66	86.36

E is defined as rated energy of the pile hammer in ft-lbs.

D is defined as distance in inches.

Values highlighted in red indicate unacceptable vibration levels.

9.5 Soil Types

(Occupational Health and Safety Act and Regulations for Construction Projects)

Soil must be classified as Type 1, 2, 3, or 4 in accordance with the descriptions set out in this section.

Type 1 soil:

- is hard, very dense and only able to be penetrated with difficulty by a small sharp object;
- has a low natural moisture content and a high degree of internal strength;
- has no signs of water seepage; and
- can be excavated only by mechanical equipment.

Type 2 soil:

- is very stiff, dense and can be penetrated with moderate difficulty by a small sharp object;
- has a low to medium natural moisture content and a medium degree of internal strength; and
- has a damp appearance after it is excavated.

Type 3 soil:

- is stiff to firm and compact to loose in consistency or is previously- excavated soil;
- exhibits signs of surface cracking;
- exhibits signs of water seepage;
- if it is dry, may run easily into a well-defined conical pile; and
- has a low degree of internal strength.

Type 4 soil:

- is soft to very soft and very loose in consistency, very sensitive and upon disturbance is significantly reduced in natural strength;
- runs easily or flows, unless it is completely supported before excavating procedures;
- has almost no internal strength;

- is wet or muddy, and
- exerts substantial fluid pressure on its supporting system.

10.0 Appendix

Contact Information

Enbridge Gas Distribution 500 Consumers Road North York, ON M2J 1P8	Markups: Mark-Ups@enbridge.com Mail to: Distribution Asset Management Ontario One Call Locates: 1 (800) 400-2255 Damage Prevention: 1 (866) 922-3622 Emergency: 1 (866) 763-5427
Enbridge Gas Storage 3501 Tecumseh Road Mooretown, ON N0N 1M0	Ontario One Call Locates: 1 (800) 400-2255 Engineering Dept.: 1 (519) 862-6027 Operations Dept.: 1 (519) 862-6017 Emergency: 1 (866) 763-5427
Gazifère 706 Boulevard Greber Gatineau, QC J8V 3P8	Locates: 1 (800) 663-9228 Planning Dept.: 1 (819) 776-8804 Emergency: 1 (819) 771-8321, press 1
St. Lawrence Gas Company Inc. 33 Stearns Street P.O. Box 270 Massena, NY 13662	Dig Safely New York Locates: 811 or 1 (800) 962-7962 Damage Prevention: 1 (315) 842-3621 Emergency: 1 (800) 673-3301
Enbridge Gas New Brunswick Inc 440 Wilsey Road Fredericton, NB E3B 7G5	Locates: 1 (866) 344-5463 Planning and Technical Services: 1 (888) 642-2020 Emergency: 1 (800) 994-2762

The website www.clickbeforeyoudig.com gives access to the damage prevention centres in Canada and in the United States of America, and allows locate requests to be made for each province/state.

Sandra Anastasio - GM BluePlan

From: Meetpal Chhina <Meetpal.Chhina@enbridge.com>
Sent: Thursday, February 06, 2020 9:10 AM
To: Sandra Anastasio - GM BluePlan; Ian Moase
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)'; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan; Jeremy Getson
Subject: RE: Class EA for Wastewater Capacity Improvements in Central Mississauga

Good Morning Sandra;

Thanks for engaging Enbridge so early in the process. We greatly appreciate the early engagement on major infrastructure work proposed in City of Mississauga.

Further to our discussion on the phone, please use the general locates document to plan your shaft locations. Once you have the 30% design complete you could forward a copy to our Mark-up department for Enbridge's review, and in case conflicts are identified you can reach out to me to avoid or relocate gas infrastructure. Also, as discussed over the call, Enbridge has major infrastructure (20" Vital) within Queensway ROW and we recommend that you work around our 20" Vital using our 'Third party requirement' to maintain clearances from our infrastructure.

If you have further question or concerns, please feel free to reach out to myself to discuss.

Thanks

Meetpal Chhina, P.ENG. MBA
Supervisor Planning
Regional Execution GTA-W/Niagara

ENBRIDGE
TEL: 905-458-2159 | CELL: 905-867-9329 | email address: meetpal.chhina@enbridge.com
6 Colony Court, Brampton, ON – L6T 4E4
enbridge.com
Safety. Integrity. Respect.

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, February 5, 2020 1:24 PM
To: Meetpal Chhina <Meetpal.Chhina@enbridge.com>; Ian Moase <Ian.Moase@enbridge.com>
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: [External] RE: Class EA for Wastewater Capacity Improvements in Central Mississauga

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hi Meetpal,

Please find attached the updated mapping.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Meetpal Chhina <Meetpal.Chhina@enbridge.com>
Sent: Tuesday, February 04, 2020 11:30 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Ian Moase <Ian.Moase@enbridge.com>
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Class EA for Wastewater Capacity Improvements in Central Mississauga

Hello Sandra;

The link doesn't open for both myself and Ian. It might be blocked due to security reasons.
Could you please forward these drawing via Email?

Thanks

Meetpal Chhina, P.ENG. MBA
Supervisor Planning
Regional Execution GTA-W/Niagara

ENBRIDGE
TEL: 905-458-2159 | CELL: 905-867-9329 | email address: meetpal.chhina@enbridge.com
6 Colony Court, Brampton, ON – L6T 4E4
enbridge.com
Safety. Integrity. Respect.

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Tuesday, February 4, 2020 10:10 AM
To: Ian Moase <Ian.Moase@enbridge.com>; Meetpal Chhina <Meetpal.Chhina@enbridge.com>
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: [External] FW: Class EA for Wastewater Capacity Improvements in Central Mississauga

EXTERNAL: PLEASE PROCEED WITH CAUTION.

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Hi Ian and Meetpal,

At the beginning of January, Laura Borowiec from the Region of Peel updated you regarding the Schedule C Class Environmental Assessment for the Capacity Improvements in Central Mississauga. In December, we sent a letter to Jim Arnott at Enbridge to review the shaft location alternatives and provide any commentary. We received a response from Elizabeth Dewcharran with mapping which included Enbridge pipeline infrastructure. I have included her response in the link below. Since December, we have screened out some of the shaft location alternatives – I have included the updated mapping in the link as well.

Please let me know if you have any questions or additional commentary at this stage regarding these location alternatives. Please note that I have added you both to our study contact list therefore, going forward, you will be receiving future study Notices.

https://sendafile.gmblueplan.ca/uploads/02-04-20_100246_Enbridge.zip

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Wednesday, January 08, 2020 2:45 PM
To: ian.moase@enbridge.com; meetpal.chhina@enbridge.com
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: Class EA for Wastewater Capacity Improvements in Central Mississauga

Hi Ian and Meetpal,

I received your contact from Miriam Polga, whom you met this morning at our Regional HQ.

I am the Project Manager for this Schedule C Class Environmental Assessment and would like to add your names to our study mailing list. We have retained GM BluePlan to undertake this Class EA study and will be forwarding you some preliminary information for your review as we work our way through Phase 2 of the Class EA process. We are also gearing up for our first Public Information Centre in the next couple of months.

Should you have any questions in the meantime, please let us know.

Thanks,

Laura Borowiec, P.Eng.
Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9



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May 20, 2020
Our File: 718018

Mr. Meetpal Chhina
Supervisor, Regional Execution (Peel/Simcoe/Dufferin)
Enbridge Gas Distribution Inc.
500 Consumer Road
North York, ON M2J 1P8

Re: Region of Peel Wastewater Capacity Improvement for Central Mississauga Class Environmental Assessment

Dear Mr. Meetpal Chhina,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment (Class EA) for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

On December 2, 2019, a consultation letter was sent to advise Enbridge of the short list of alternative servicing strategies. We received feedback from Enbridge including Enbridge owned infrastructure mapping and required minimum clearances for "IP" and "Vital" classified pipelines. The project team evaluated the short list based on the information collected through the Class EA process and presented the preliminary preferred servicing strategy (Attachment 1) to the public on March 10, 2020.

We understand that Enbridge currently owns infrastructure along the Burnhamthorpe Road (IP), Cawthra Road (IP) and Queensway East (Vital) preferred alignments. At this time, we would appreciate your assistance and ask that you review the preferred strategy and provide additional mapping of Enbridge owned assets (above and below ground) within or adjacent to the preferred alignments. Any potential locations for future infrastructure would also be helpful in establishing any site constraints as we further refine the servicing strategy including construction shaft locations and refined sewer alignments. Furthermore, we would like to request any additional information that would assist us in the conceptual design evaluation and preliminary design phase of this project. Once the preferred design of the alignments and shaft sites has been selected, the project team can provide alignment drawings and shaft site requirements and layouts. A meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

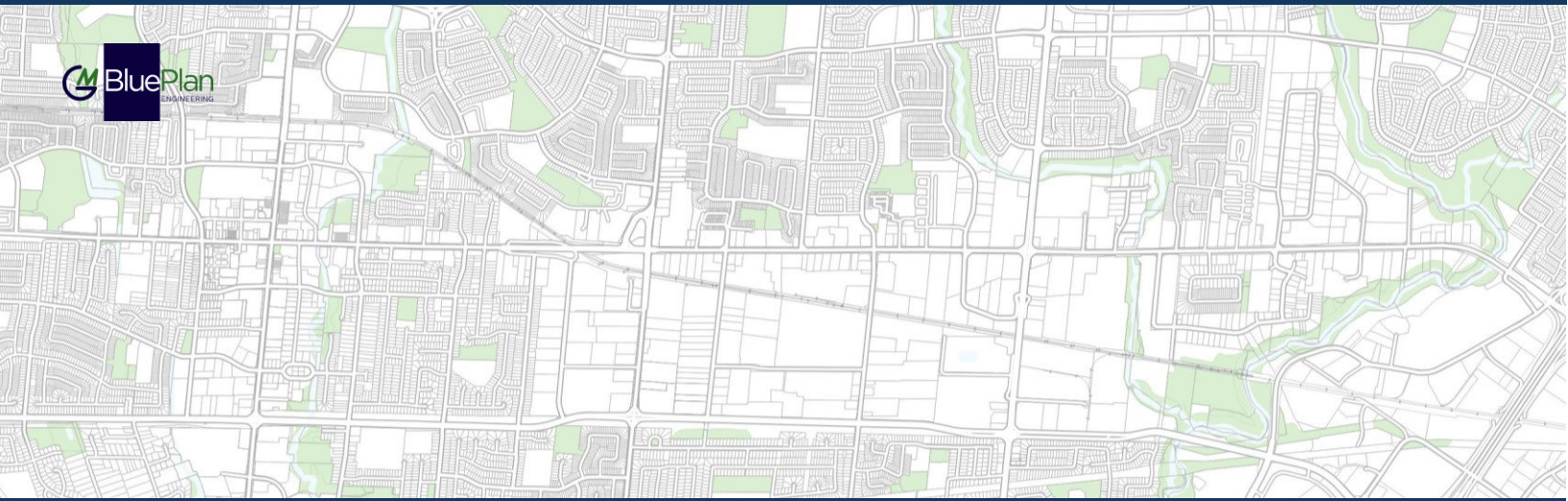
A handwritten signature in blue ink, appearing to read 'Chris Campbell'.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Justin Lee, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preferred Solution (Map)



REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

Alectra Utilities



December 2, 2019

Our File: 718018

Mr. Daniel J. Pastoric
President and Chief Executive Officer
Alectra Utilities
3420 Mavis Rd
Mississauga, Ontario L5C 3K1

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

Dear Mr. Daniel J. Pastoric,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and preliminary tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any Alectra operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell', written over a white rectangular background.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, December 16, 2019 4:02 PM
To: 'navneet.budhia@alectrautilities.com'
Cc: 'dan.pastoric@alectrautilities.com'; Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: FW: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ Alectra.pdf

Hello Navneet,

As discussed, please see the email regarding the Region of Peel Wastewater Capacity Improvements in Central Mississauga Class EA. I have attached the letter and a link is provided in the original email below for the mapping.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 04, 2019 11:02 AM
To: dan.pastoric@alectrautilities.com
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: Region of Peel Central Mississauga EA

Hello Mr. Daniel Pastoric,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA -
_Preliminary_Short_Listed_Sites.pdf](https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Mehdi Vafaei <mehdi.vafaei@alectrautilities.com>
Sent: Thursday, January 02, 2020 3:37 PM
To: Navneet Budhia; Riaz Shaikh; Sandra Anastasio - GM BluePlan
Cc: Dan Pastoric; Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: RE: [Site Plan Comments] Wastewater Plant Central Mississauga EA

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sandra,

I hope you are doing well.

I reviewed the preliminary preferred alignments and shaft locations in the document attached to the email. Alectra has Overhead or Underground (or both) infrastructures within or adjunct to most of the proposed locations which are major routes, intersections and crossings. In order to provide a preliminary analysis over suggested alignments and tunnel shaft locations, I would need to get more information in terms of alternative proposed design and the way it can impact Alectra's infrastructure. Here are a list of information/questions/comments that might need to be addressed/provided/responded:

- Do you require specific power availability for your proposed tunnel shaft locations? i.e. in terms of kVA or kW.
- Do you have any voltage requirements for your infrastructure? I.e. voltage level and/or three phase/single phase requirements.
- Can you provide more information regarding the design/layout/drawing of proposed tunnel shaft locations? The information can be typical dimensions, typical layouts/installations, cross-section drawings, electricity operated equipment (including motors, lighting, etc), etc.
- Do you have more information regarding the excavation process/procedure that can impact Alectra's Underground system or Overhead circuits?
- Does the capacity improvement proposal affect the power requirements (i.e. possible increase in load) at central wastewater treatment plant?
- Would you describe the specific inputs/comments you will require from Alectra at this preliminary stage?

Once more information is provided, we can run a preliminary analysis and if needed we can discuss more on phone. Please let me know if you have any questions or need any clarifications.

Regards.
Mehdi

From: Navneet Budhia
Sent: Tuesday, December 17, 2019 9:07 AM
To: Riaz Shaikh; Mehdi Vafaei; Sandra Anastasio - GM BluePlan
Cc: Dan Pastoric; Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: [Site Plan Comments] Wastewater Plant Central Mississauga EA

Hi Mehdi,

The Peel Region Water is seeking Alectra's comments for capacity improvements at a wastewater treatment plant in central Mississauga. Could you please help respond to the below associated request.

Please contact Sandra (marked in the signature below) for any further clarification you may need for this request.

Sandra, Alectra's system planning department is marked herein to respond to your request.

Regards
Navneet



Navneet Budhia
Manager, Special Projects
Strategic Growth & Special Projects

m 289.775.7327
alectrautilities.com



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: December 16, 2019 4:02 PM
To: Navneet Budhia <Navneet.Budhia@alecra.com>
Cc: Dan Pastoric <Dan.Pastoric@alecra.com>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: FW: Region of Peel Central Mississauga EA

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Hello Navneet,

As discussed, please see the email regarding the Region of Peel Wastewater Capacity Improvements in Central Mississauga Class EA. I have attached the letter and a link is provided in the original email below for the mapping.

Thank you,
Sandra

====
Hello Mr. Daniel Pastoric,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA -
_Preliminary_Short_Listed_Sites.pdf](https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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May 20, 2020
Our File: 718018

Mr. Navneet Budhia
Manager, Special Projects
Alectra Utilities
3420 Mavis Rd
Mississauga, Ontario L5C 3K1

Re: Region of Peel Wastewater Capacity Improvement for Central Mississauga Class Environmental Assessment

Dear Mr. Navneet Budhia,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Municipal Class Environmental Assessment (Class EA) for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

On December 2, 2019, a consultation letter was sent to advise Alectra of the short list of alternative servicing strategies. The project team evaluated the short list based on the information collected through the Class EA process and presented the preliminary preferred servicing strategy (Attachment 1) to the public on March 10, 2020.

Through consultation with Hydro One, we understand that Alectra currently operates the active transmission lines along the Queensway East preferred alignment from Hurontario Street to west of Stanfield Road. At this time, we would appreciate your assistance and ask that you review the preferred strategy and provide mapping of Alectra assets (above and below ground) within or adjacent to the preferred alignments. Any potential locations for future infrastructure would also be helpful in establishing any site constraints as we further refine the servicing strategy including construction shaft locations and refined sewer alignments.

Furthermore, we would like to request a review of protocols/standards, minimum asset clearances and any other input that you can provide at this stage that would assist us in the conceptual design evaluation and preliminary design phase of this project. Once the preferred preliminary design of the alignments and shaft sites has been selected, the project team can provide alignment drawings and shaft site requirements and layouts. A meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell'.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Justin Lee, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preferred Solution (Map)

Sandra Anastasio - GM BluePlan

From: Mehdi Vafaei <mehdi.vafaei@alectrautilities.com>
Sent: Monday, June 01, 2020 5:15 PM
To: Riaz Shaikh; Sandra Anastasio - GM BluePlan
Cc: Miron Nahirny; Justin.Lee@peelregion.ca; Chris Campbell - GM BluePlan; Dan Pastoric; Navneet Budhia
Subject: RE: Region of Peel Central Mississauga EA
Attachments: Waste Water Mississauga - V.02.xlsx

Follow Up Flag: FollowUp
Flag Status: Flagged

Hi Sandra,

Please see the attached file that includes the information that were requested to conduct the Class Environmental Assessment.

All Alectra assets located within or adjacent to the preferred alignments are summarized in high level based on the GIS. Please be noted that a proper surveying and locates will be needed to determine potential conflicts and acceptable clearances with/from Alectra's infrastructure/assets that should be performed with Region of Peel and City of Mississauga.

Please let me know if you have any questions.

Regards.
Mehdi

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, May 20, 2020 10:30 AM
To: Navneet Budhia <Navneet.Budhia@alectra.com>; Mehdi Vafaei <mehdi.vafaei@alectrautilities.com>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Dan Pastoric <Dan.Pastoric@alectra.com>; Riaz Shaikh <riaz.shaikh@alectrautilities.com>
Subject: [SUSPICIOUS] Region of Peel Central Mississauga EA

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Hello Navneet,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the preferred conceptual alignment and tunnel shaft alternative locations for your review and comment.

This link will only be available for 21 days: [05-20-20 1027 Shaft Site Mapping.zip](#)

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Shaft Site #	Major intersection	# of Circuits	Voltage (KV)	Primary/ Secondary	Orientation (OH/UG)	Poles (Y/N)	Type	Size of Pole	Anchors (Y/N)	Covering (DB/CE)	Other Considerations
01A	S/S Queensway E/O Greenhurst	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
01B	Sherway Dr / E/O Greenhurst	0				N			N		
01C	N/S Queensway E/O Greenhurst	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
01D	Sunnycove Dr / E/O Tarn Rd	0									
02A	N/S Queensway and Greenhurst Dr	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
02B	S/S Queensway and Greenhurst Dr	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
03A	N/E Corner Queensway and Dixie Rd	2	27.6	Primary	OH	y	Concrete	45	y		Underground Secondary for Street Lights
03B	S/W Corner Queensway and Dixie Rd	1	0.12	Secondary	UG	N			N		Underground Secondary for Street Lights / Ancors
03C	S/E Corner Queensway and Dixie Rd	3	1 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete	45	y		Underground Secondary for Street Lights
04A	S/S Queensway E/O Stanfield rd					N			N		
04B	N/W corner Queensway and Stanfield Rd	4	2 x 13.8 / 4.16 / 0.24	Primary/ Secondary	OH / UG	y	Wood	45	y	CE	1 Circuit in duct bank
04C	S/E Corner Queensway and Stanfield Rd	2	4.16 / 0.12	Primary/ Secondary	UG	N			N	DB	Street Lights Owned by City, UG Tx's on S/S close to site with UG Primary cables.
05A	S/S Queensway and Cody Ln	3	2 x 27.6 / 13.8	Primary	OH	y	Concrete	65	y		
05B	N/W corner Queensway and Hains Rd	3	27.6 / 2 x 13.8	Primary	OH	y	Wood	65	y		Underground S/L (120V) in area
06A	N/W corner Queensway and Cawthra Rd	1	0.12	Secondary	UG	y	Concrete	35	y	DB	Concrete poles are support poles with anchors
06B	S/W corner Queensway and Cawthra Rd	4	3 x 27.6 / 13.8	Primary	OH	y	Concrete	65	y		Anchors
06C	S/E corner Queensway and Cawthra Rd	5	3 x 27.6 / 13.8 / 4.16	Primary	OH	y	Concrete	65 / 70	y		Circuits N/S are connected E/W also
07A	N/E Corner Queensway and Tedlo St	4	2 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete / Wood	65 / 45	y		DB S/L (120V), concrete poles are 65' wood poles 45', anchors
07B	S/S Queensway Opp. Tedlo St	4	2 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete	65	y		Anchors
08A	N/E Corner Queensway and Hensall St	5	2 x 27.6 / 3 x 4.16	Primary	OH/UG	y	Concrete / Wood	65	y	CE	DB S/L (120V), Wood and Concrete poles are both 65', 2 corner concrete poles are 70', duct bank at corner
08B	N/W Corner Queensway and Hensall St	2	2 x 27.6	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area
09A	N/E Corner Queensway and Cliff Rd	3	2 x 27.6 / 4.16	Primary	OH/UG	y	Concrete	65	y	CE	Underground S/L (120V) in area, UG tie (N/S)
09B	S/W corner Queensway and Cliff Rd	1	27.6	Primary	UG	N			N	CE	Feed for St. Timothy School
09C	N/W Corner Queensway and Cliff Rd	2	2 x 27.6	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area
10A	N/E Corner Queensway and Camilla Rd	4	2 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area
10B	S/W corner Queensway and Camilla Rd	5	2 x 27.6 / 3 x 4.16	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area
11A	N/S Queensway W/O Camilla Rd	4	2 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area
11B	S/S Queensway W/O Camilla Rd	0				y	Concrete	35	y		Concrete poles are support poles with anchors
12A	S/W Corner Queensway and Hurontario St	4	2 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete	65 / 35	y		Circuits run North/South on Hurontario, 35' Support poles on S/S Queensway
12B	S/E Corner Queensway and Hurontario St	0				y	Concrete	35	y		Concrete poles are support poles with anchors
13A	S/W Corner Cawthra Rd and Needham Ln	2	2 x 13.8 / 4.16 / 0.24	Primary	OH	y	Wood	60/45	y		Underground S/L (120V) in area, OH Line Crossing
13B	W/S Cawthra South of Needham Ln	1	13.8	Primary	OH/UG	y	Wood	65	y	CE	UG feed for Tx7405
13C	E/S Cawthra South of Needham Ln	1	0.347/0.6	Secondary	UG	N			N	DB	Assume Direct Buried ducts
14A	S/W Corner Dundas St and Cawthra Rd	4	2 x 44 / 2 x 13.8	Primary	OH	y	Concrete	70	y		3 Circuits Dead ended at Corner
14B	N/W Corner of Dundas St and Cawthra Rd	8	4 x 44 / 4 x 13.8	Primary	OH	y	Concrete	70	y		
14C	S/E Corner Dundas St and Cawthra Rd	1	13.8	Primary	UG					CE	Feed for Tx8851
15A	N/E Corner Cawthra Rd and Burnhamthorpe Rd	4	2 x 44 / 2 x 13.8	Primary	OH	y	Concrete	70	y		anchors
15B	S/W Corner Cawthra Rd and Burnhamthorpe Rd	4	2 x 44 / 2 x 13.8	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area, anchors
15C	N/W Corner Cawthra Rd and Burnhamthorpe Rd	4	4 x 44 / 4 x 13.8	Primary	OH	y	Concrete	70	y		Circuits are Dead ended at Corner, UG S/L (120V)
16A	N/E Corner Burnhamthorpe Rd and Wilcox Rd	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
17A	N/E Corner Burnhamthorpe and CentralPky	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
17B	S/W Corner Burnhamthorpe and CentralPky	4	2 x 44 / 2 x 13.8	Primary	OH/UG	y	Concrete	65	y	CE	Underground S/L (120V) in area, UG service to Plaza
17C	N/W Corner Burnhamthorpe and CentralPky	2	2 x 13.8 / 4.16 / 0.24	Primary	UG	N			N	CE	Secondary also in Duct Bank, DB S/L (120V)
17D	S/E Corner Burnhamthorpe and CentralPky	4	2 x 44 / 2 x 13.8	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area

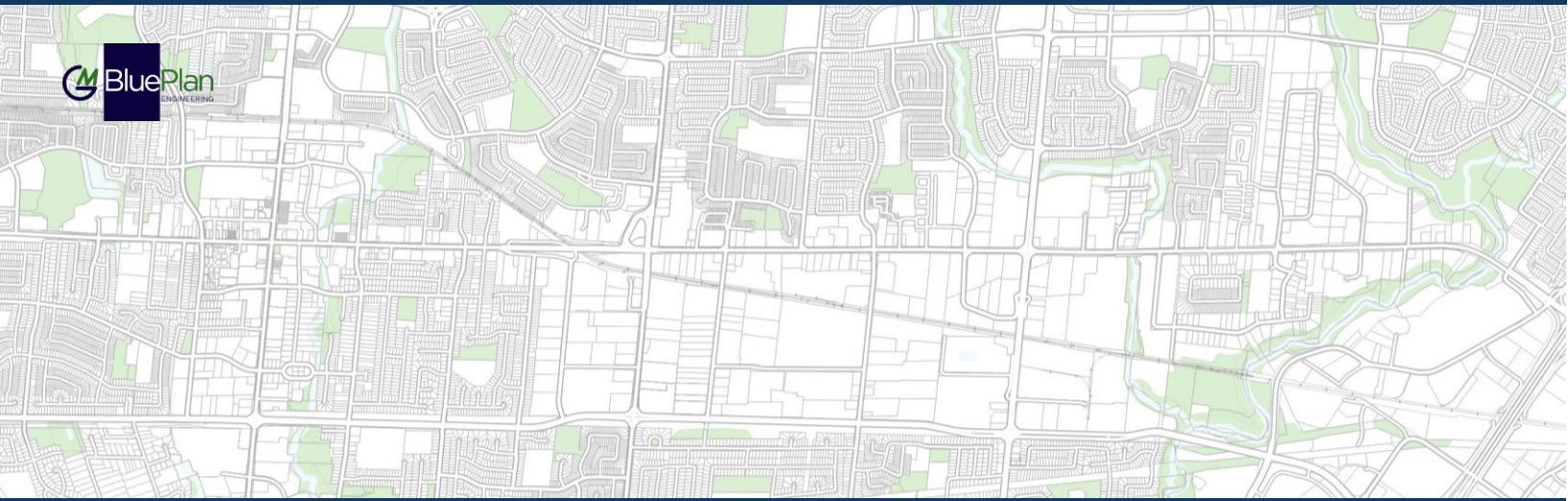
Primary Preferred Site

Alternate Site

Notes: Number of Circuits does not indicate Number of Feeders
 Alctra has ownership of UG S/L conductors but not S/L poles

A NO in the Pole column only indicates there are no Alctra owned poles.

Anchors also indicate that a down guy or Guywire is attached to pole.



REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

Trans Northern Pipelines Inc. (TNPI)



December 2, 2019

Our File: 718018

Mr. Cliff Lee
Coordinator, Crossings & Facilities
Trans-Northern Pipeline Inc.
45 Vogell Road, Suite 310
Richmond Hill, Ontario L4B 3P6

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

Dear Mr. Cliff Lee,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any Trans-Northern operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell', written over a white background.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 04, 2019 11:14 AM
To: cle@tnpi.ca
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ Trans-Northern.pdf

Hello Mr. Cliff Lee,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Markup & Drawing Requests <markupanddrawingrequests@tnpi.ca>
Sent: Monday, December 16, 2019 4:10 PM
To: Sandra Anastasio - GM BluePlan
Subject: RE: Region of Peel Central Mississauga EA
Attachments: LA_8A.PDF; CR_334A.PDF; CR-333b.pdf; N. Service Rd. & Lower Cooksville Creek.PNG; North Service Rd. & Cliff Rd.PNG; N. Service Rd. & Munden Park.PNG; LA_7A.PDF; CR_328-2.PDF

Follow Up Flag: FollowUp
Flag Status: Flagged

Hi Sandra,

Please refer below for TNPI pipelines locations on your planned work locations as requested:

Location #1 - #8 - TNPI pipelines are somewhat close but far enough.

Location #9 – Queensway E & Cawthra Rd – Based on your map, TNPI pipelines are within 85m of your work area. Please see attached alignment drawing for your reference.

Location #10 - Queensway E & Haines Rd - Based on your map, TNPI pipelines are crossing your worked area. Please see attached crossing drawings.

Location #11 - #14 - TNPI pipelines are somewhat close but far enough.

Location #15 – North Service Rd. & Lower Cooksville Creek – Based on your map, TNPI pipelines are within 117m of your work area. Please see attached map for your reference.

Location #16 – N. Service Rd. & Cliff Rd. – Based on your map, TNPI pipelines are within 142m of your work area. Please see attached map.

Location #17 – N. Service Rd. & Munden Park – Based on your map, TNPI pipelines are within 166.9m of your work area. Please see attached map.

Location #18 – North Service Rd. & Cawthra - Based on your map, TNPI pipelines are within 65.3m of your work area. Please see attached crossing and alignment drawings.

Location #19 - #22 - TNPI pipelines are somewhat close but far enough.

Please be advised if your ground disturbance is within the pipeline right of way of TNPI, you need Permit.

In that case please contact Cliff Lee at crossingrequestseast@tnpi.ca or 905-770-3353 ext.292.

On a side note, moving forward please send your drawing requests to markupanddrawingrequests@tnpi.ca .

Thanks,

Ladan Parsi

Drafting & GIS Specialist

TRANS-NORTHERN PIPELINES INC.

45 VOGELL ROAD, SUITE 310, RICHMOND HILL, ON L4B 3P6

OFFICE: 289-475-5382

lparsi@tnpi.ca



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: 4-Dec-19 11:14 AM
To: Cliff Lee <clee@tnpi.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: Region of Peel Central Mississauga EA

Hello Mr. Cliff Lee,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA - Preliminary Short Listed Sites.pdf](https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

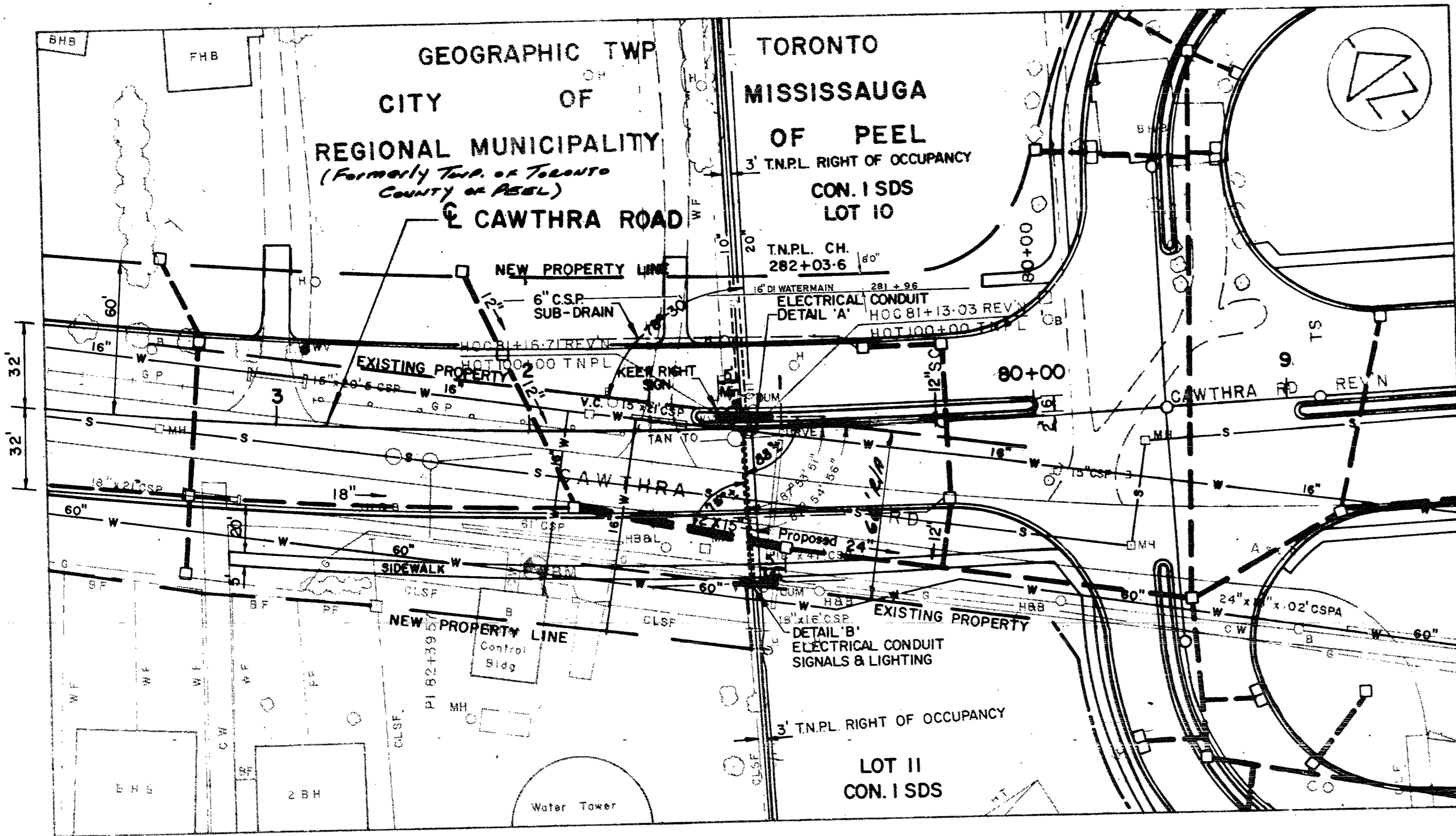
Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

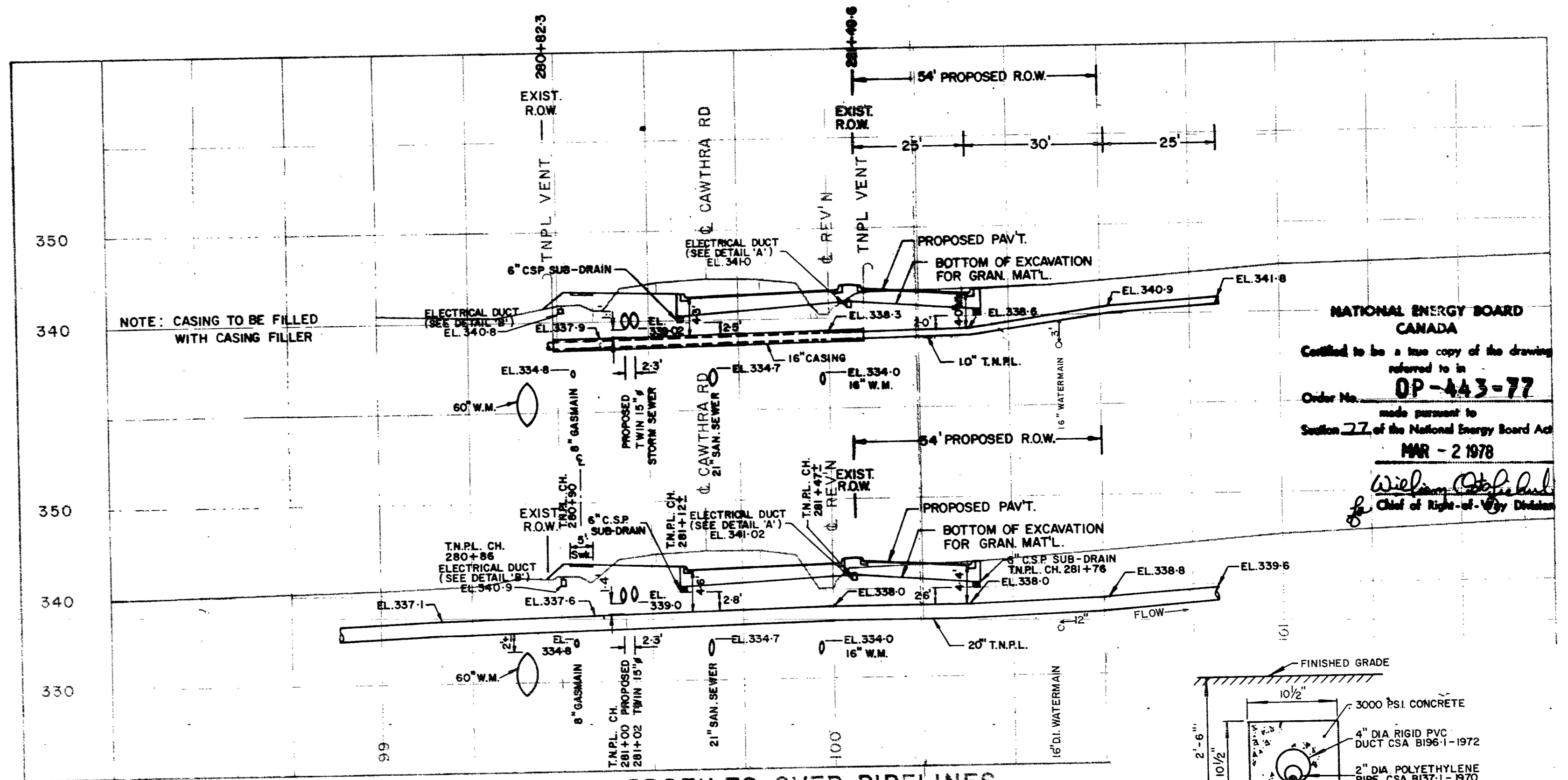
GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



N O T I C E - This message from GM BluePlan Engineering Limited is intended only for the use of the individual or entity to which it is addressed and may contain information which is privileged, confidential or proprietary. Internet communications cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, arrive late or contain viruses. By communicating with us via e-mail, you accept such risks. When addressed to our clients, any information, drawings, opinions or advice (collectively, "information") contained in this e-mail is subject to the terms and conditions expressed in the governing agreements. Where no such agreement exists, the recipient shall neither rely upon nor disclose to others, such information without our written consent. Unless otherwise agreed, we do not assume any liability with respect to the accuracy or completeness of the information set out in this e-mail. If you have received this message in error, please notify us immediately by return e-mail and delete the message from your computer systems.

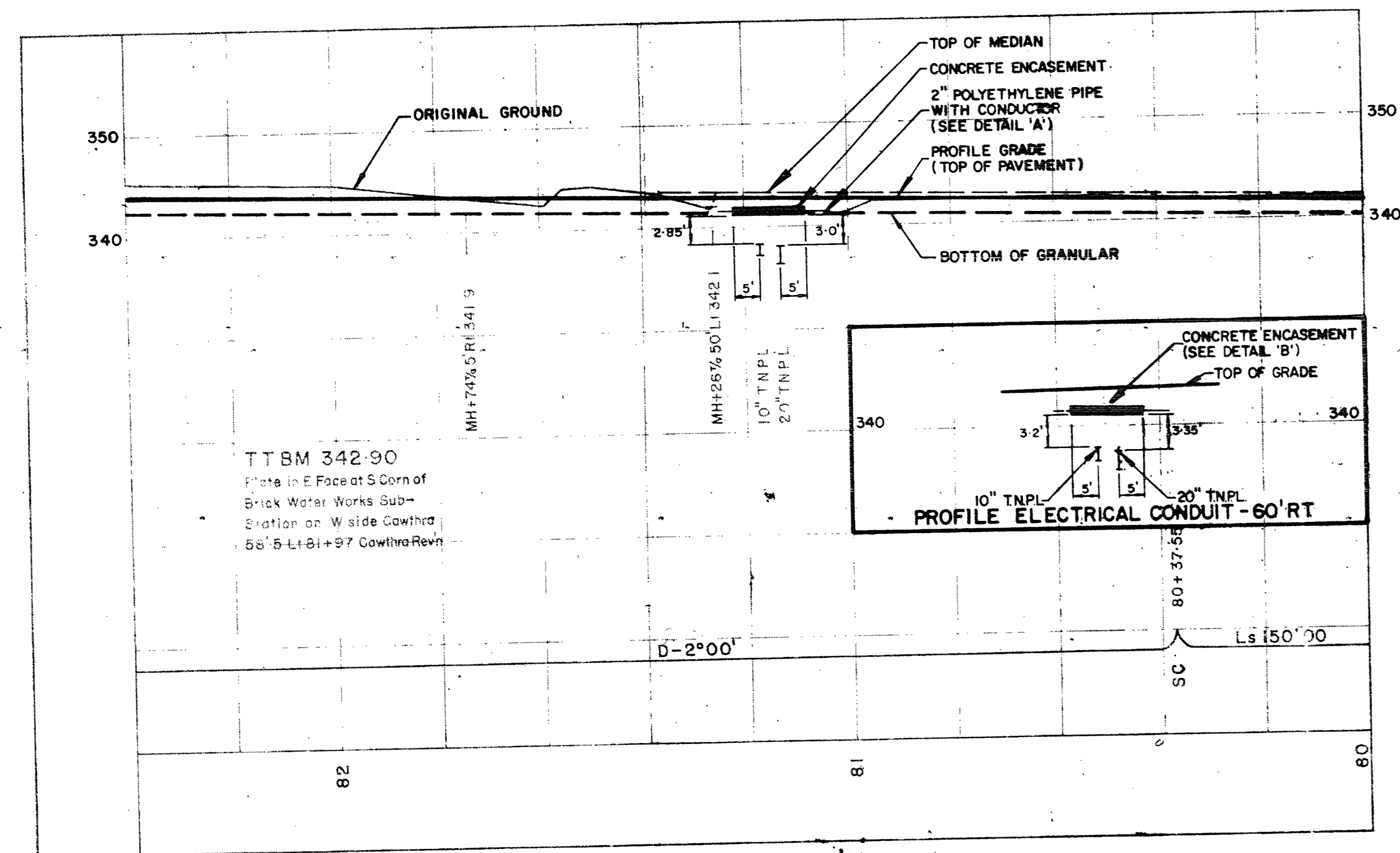
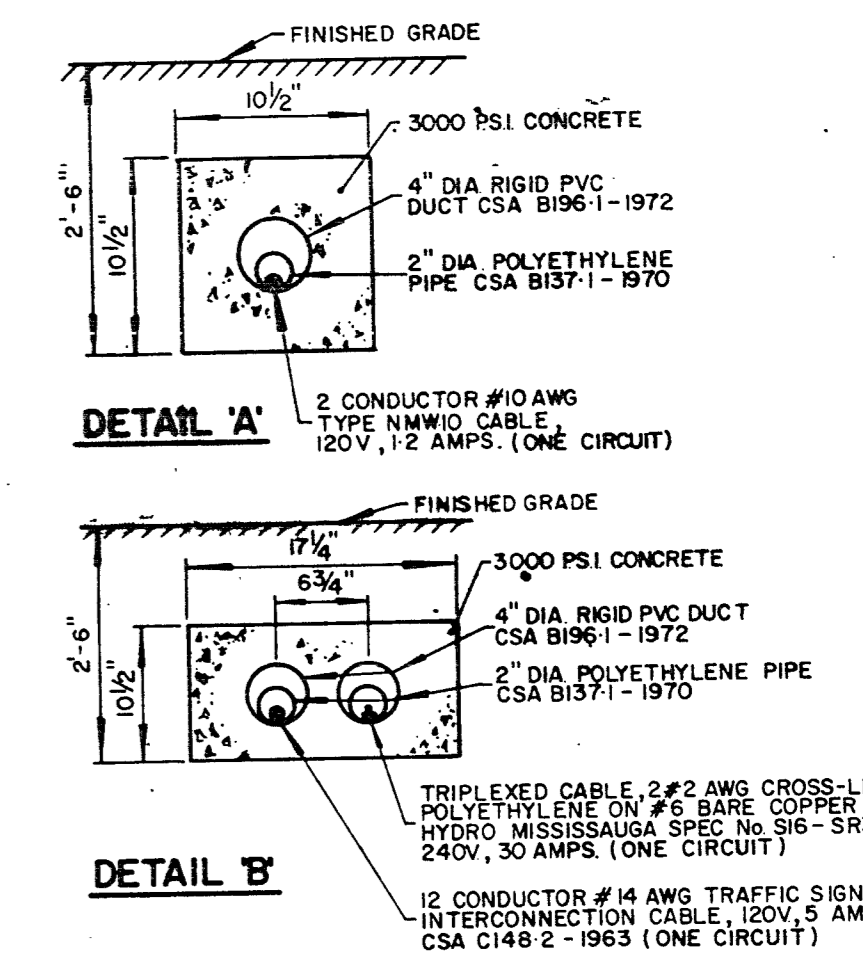


PLAN

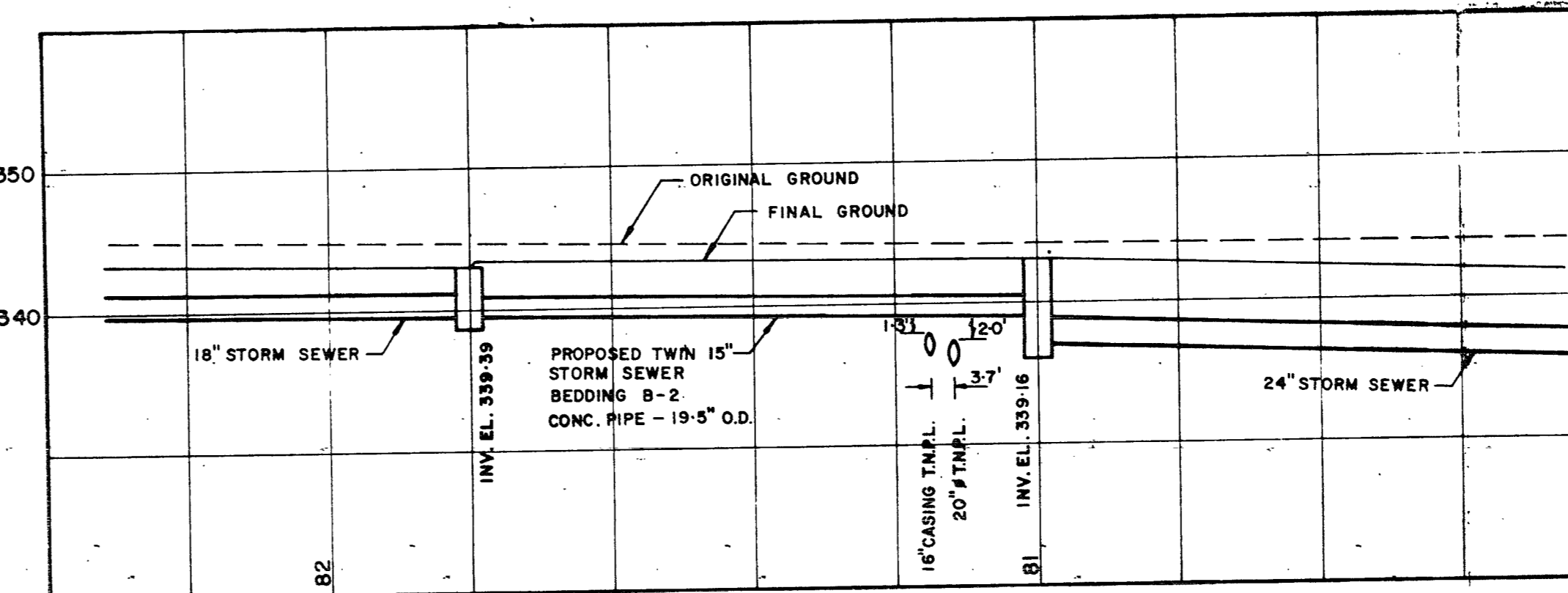


PROFILES OVER PIPELINES

NATIONAL ENERGY BOARD CANADA
 Certified to be a true copy of the drawing referred to in
 Order No. **OP-443-77**
 made pursuant to
 Section 2.7 of the National Energy Board Act
MNR - 2 1978
William D. ...
 Chief of High-voltage Division



PROF. CAWTHRA RD REV'N

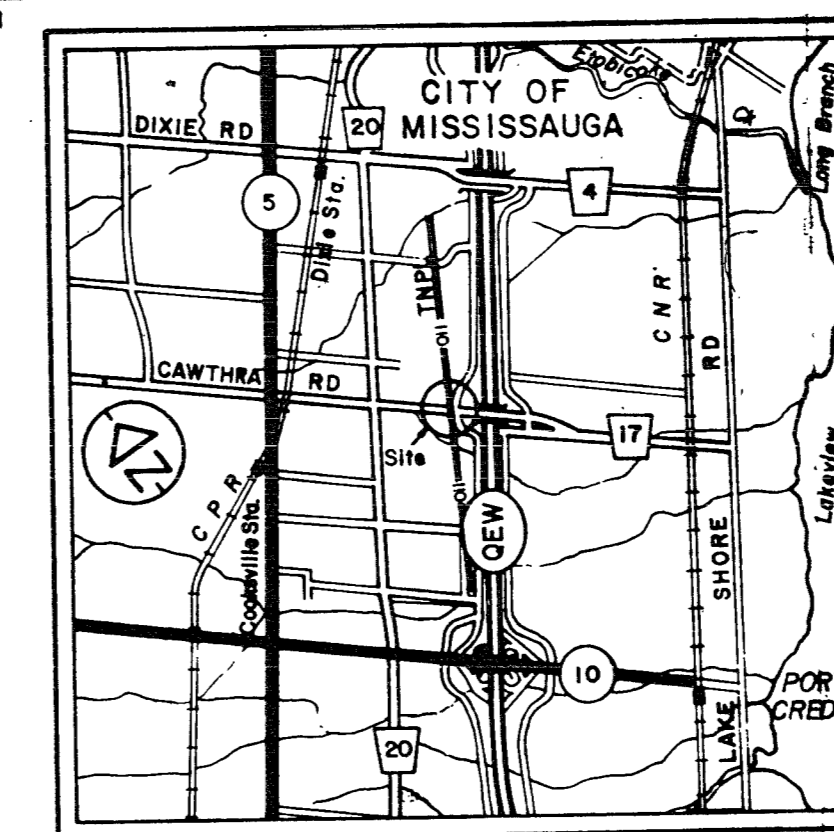


PROPOSED TWIN 15" STORM SEWER CROSSING

PIPELINE SPECIFICATIONS		
SIZE O.D.	10.00"	20.00"
NOMINAL WALL	.307"	.281"
SPECIFICATION GRADE	APISLX46	56
MILL TEST PSI	2240	1420
MAX. WORKING PRESSURE PSI	1200	1200
HYDROSTATIC TEST	1500	1548
EXTERNAL PROTECTION	PLICOFLEX	COAL TAR ENAMEL

CASING PIPE : Size 16" O.D.
 Wall 0.250"
 Spec. APSI 5L Grade B

TRANS-NORTHEN REFERENCE : L-7A R/W-4A
 MILE POST 5.33



KEY PLAN

DATE	REVISIONS	BY	ADDITIONS
MARCH 25/77	EXIST. P, ANGLES, LABELS, CASING.		
NOV. 16/77	ADD T.N.P.L. CHAINAGES.		
4/4/89	16" WATERMAIN		E.R.

MINISTRY OF TRANSPORTATION & COMMUNICATIONS ENGINEERING SERVICES OFFICE ENGINEERING SURVEYS SECTION		
PIPELINE CROSSING PLAN		
CROSSING AT TRANS-NORTHERN PIPELINE AND CAWTHRA ROAD		
CITY OF MISSISSAUGA		REGIONAL MUNICIPALITY OF PEEL
FORMERLY DRW. NO. K-81-17		
SCALES AS SHOWN	DISTRICT 6 TORONTO	REGION CENTRAL
STUDY PLAN F-82-1	PROFILE	PLAN B-81-142
DATE OF SURVEY FEB 1975	DATE OF PLAN MAY 1975	SITE LA 7, R/W-4.5
W O	T.N. FILE 77-E057	PLAN CR-328-2
W P	144-70-02	

DEC 1977

SERVICE	ALTMONT
PROJECT	TRANS-NORTHERN PIPELINE CO
PARTICULARS	SAN SEWER REGIONAL MUNICIPALITY OF PEEL
DESIGNED BY	MR. O. MISSISSAUGA
CHECKED	MR. L. CANTON
APPROVED	REGIONAL MUNICIPALITY OF PEEL
DATE	FEB. 17, 1982
SCALE	AS SHOWN
DWG. NO.	CR 334A

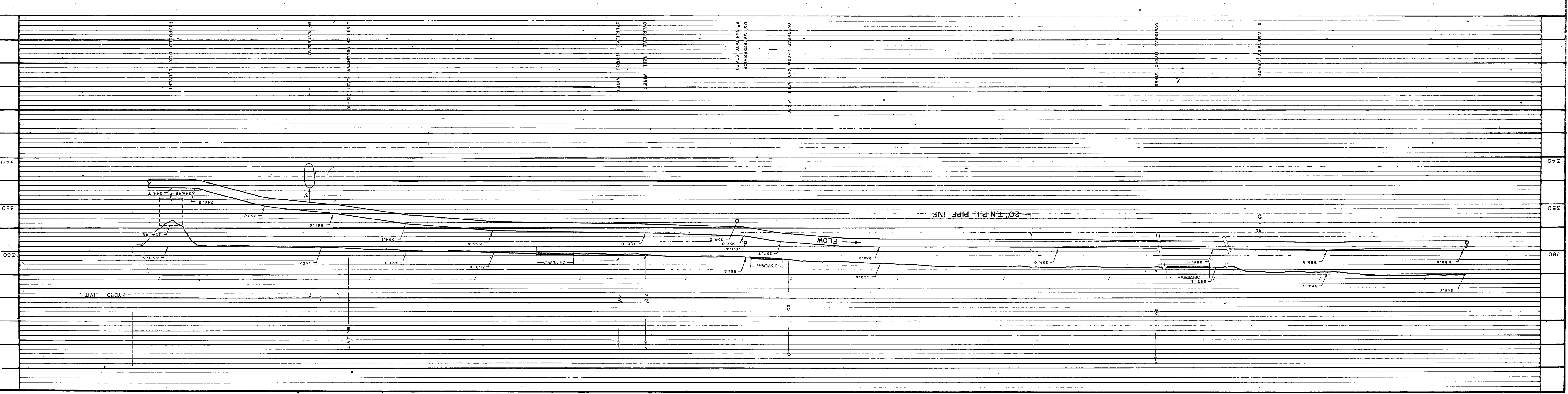
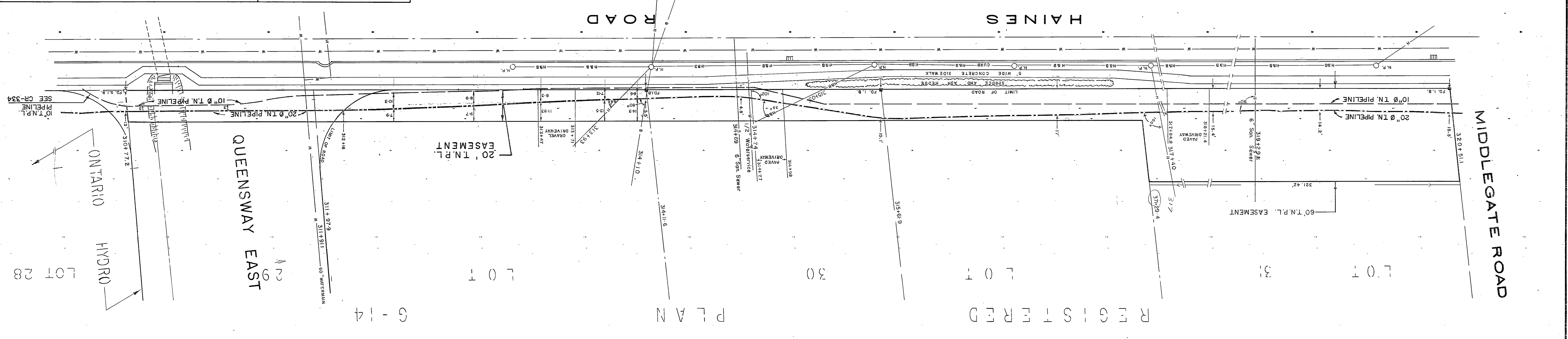
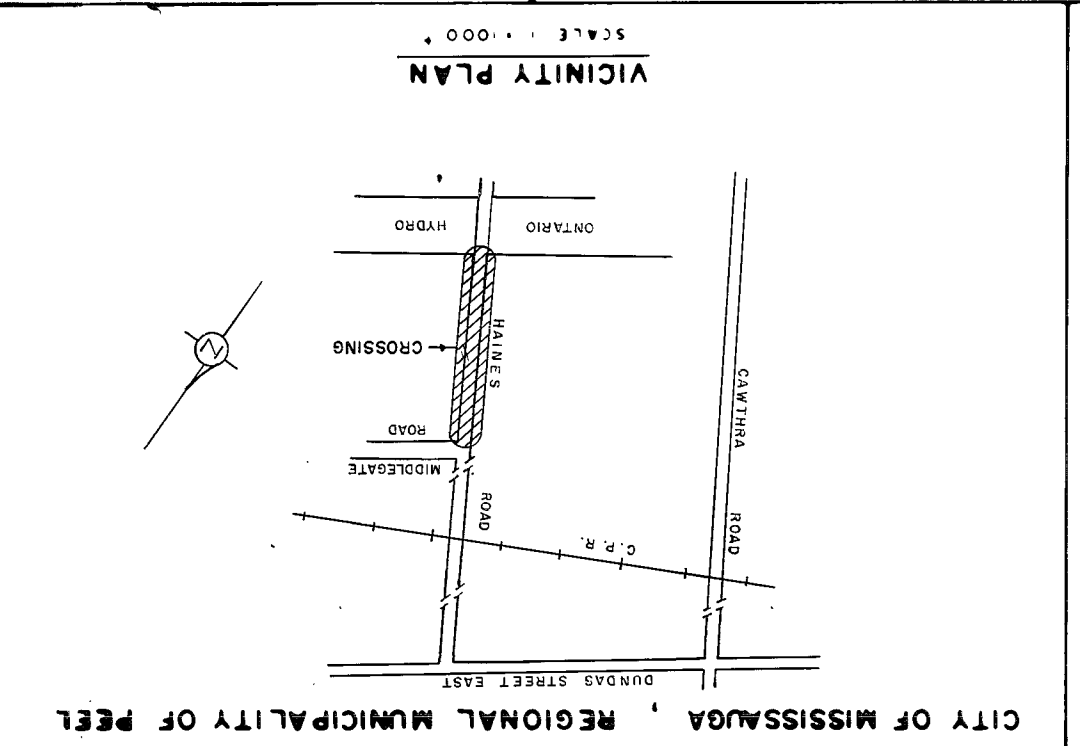
NO.	1	AS-BUILT	DATE	INITIALS	REVISIONS
2	2	FIELD REVISIONS ADDED	08-07-82	R.E.T.M.	

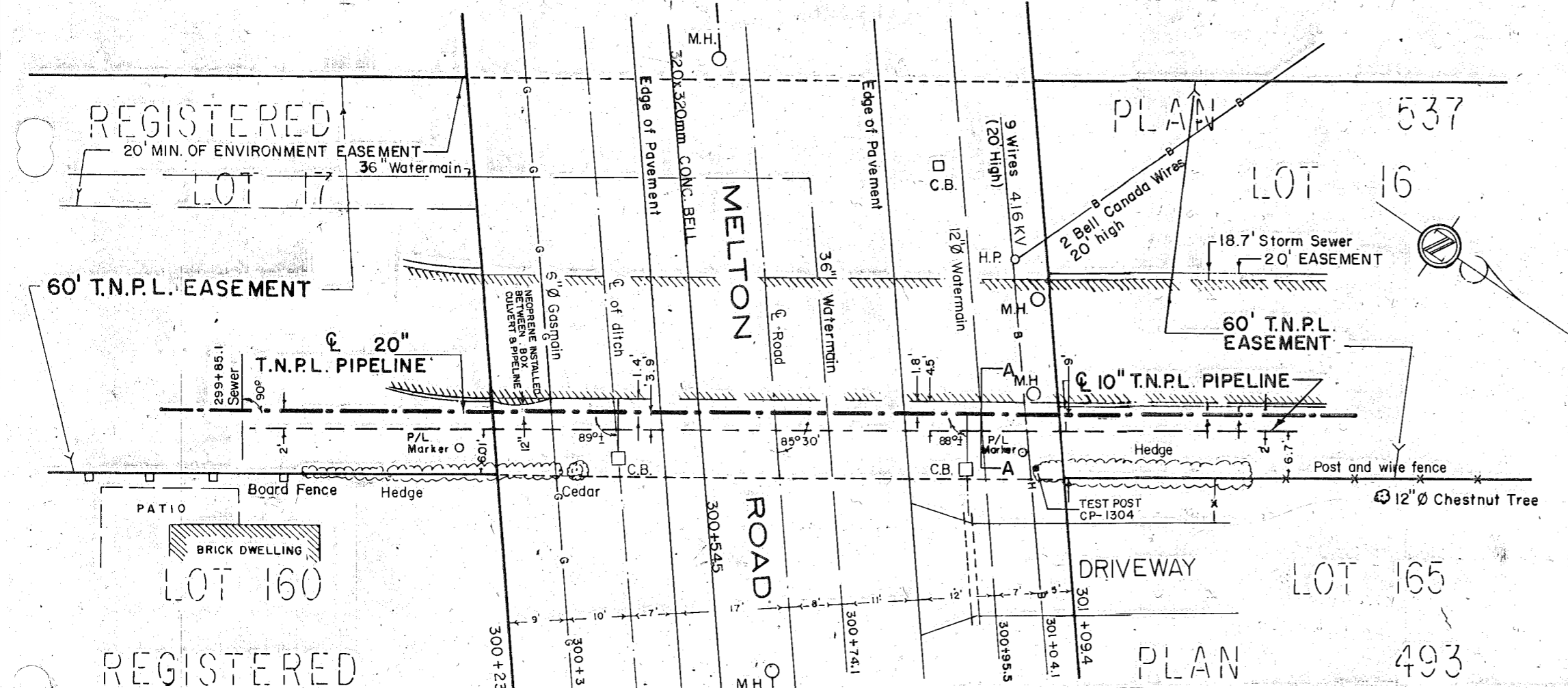
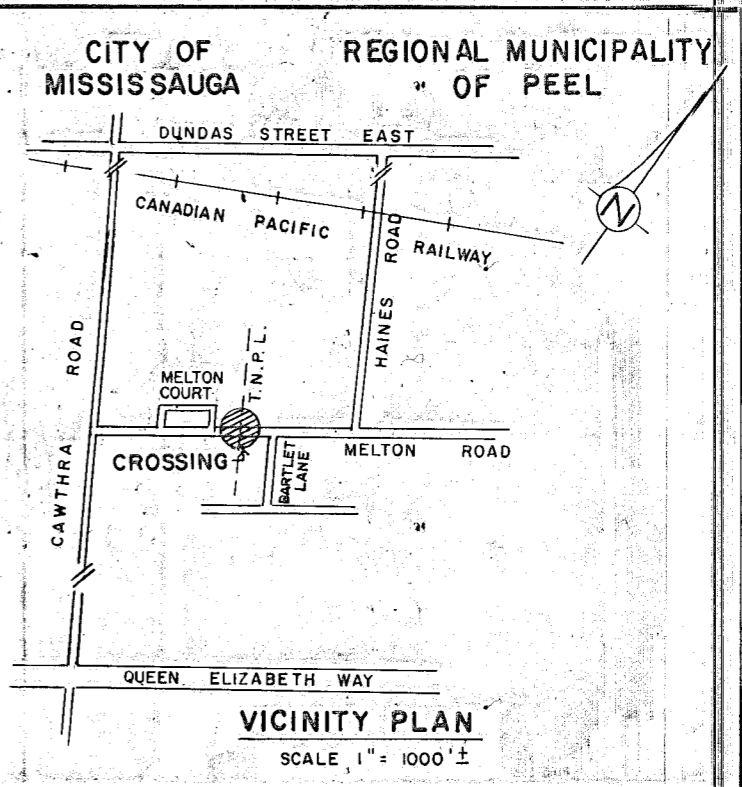
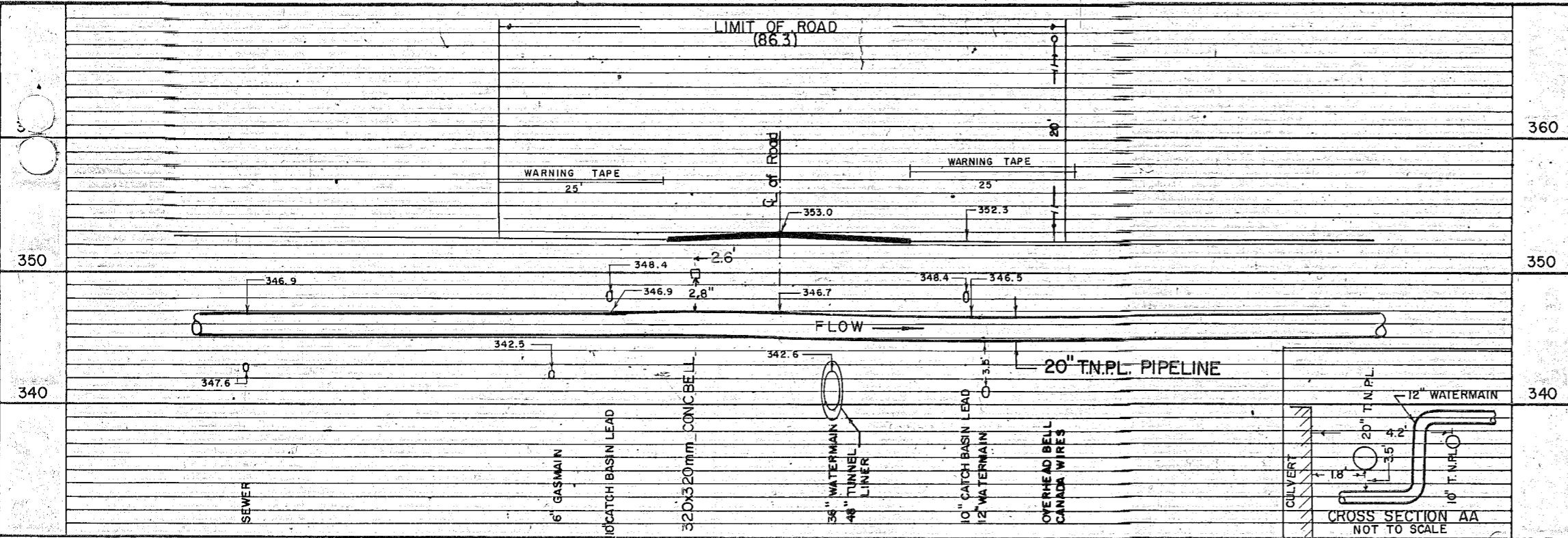
TRANS-NORTHERN PIPE LINE CO		TORONTO - ONTARIO	
UTILITIES ON HAINES ROAD		SOUTH OF MIDDLEGATE ROAD	
CHECKED J.H.K.		APPROVED	
SCALE 1" = 30' VERT. 1" = 100'		DATE FEB. 17, 1982	
DWG. NO. CR 334A			

REFERENCE DRAWINGS
 L-9A, R/W L2, 3 & 4
 MILE POST 5.90 TO 6.08

CARRIER PIPE
 SIZE: 20.00" O.D. NOMINAL WALL 0.28"
 SPECIFICATION: GRADE 56
 MAXIMUM WORKING PRESSURE: 3000 PSI
 HYDROSTATIC TEST: 1549 PSI MIN.
 MIN. TEST: 1450 PSI
 EXTERNAL PROTECTION: COAL TAR ENAMEL

60" WATER MAIN
 SIZE: 70.00" O.D.
 NOMINAL WALL: 5.35"
 SPECIFICATION: A.M.A.A. CL.12, C301
 TEST PRESSURE: 600 PSI
 OPERATING PRESSURE: 520 PSI





CARRIER PIPE

SIZE: 20.00" O.D. NOMINAL WALL 0.281"

SPECIFICATION: GRADE 56

MILL TEST: 1420 PSI

MAXIMUM WORKING PRESSURE: 1200 PSI

HYDROSTATIC TEST: 1548 PSI

EXTERNAL PROTECTION: COAL TAR ENAMEL

	6" GAS	12" WATERMAIN	36" WATERMAIN
SIZE (O.D.) (in.)	6.625	13.20	40.50
NOMINAL WALL (in.)	0.156	0.37	3.125
SPECIFICATION	GRADE B	ANSI CLASS 24	CLASS 150
TEST PRESSURE PSI	100 PSI	150 P.S.I.	150 P.S.I.
OPERATING PRESSURE PSI	60 PSI	100 P.S.I.	76 P.S.I.

REFERENCE DRAWINGS
L-8A, R/W-15A, MILE POST 5.71

SERVICE	AUTHORITY	C.B. LEAD	CITY OF MISSISSAUGA
HYDRO	MISSISSAUGA HYDRO	WATER (36")	MIN. OF THE ENVIRONMENT
TELEPHONE	BELL CANADA		
ROAD	CITY OF MISSISSAUGA		
GAS	CONSUMERS GAS CO.		
WATER	REGIONAL MUNICIPALITY OF PEEL		

REVISIONS			
No.	REMARKS	DATE	INITIALS
1	AS-BUILT	2/5/75	AK
2	320 x 320mm CONC. BELL	3/89	E.R.

TRANS-NORTHERN PIPE LINE CO.
TORONTO - ONTARIO

MARSHALL MACKLIN MONAGHAN LIMITED

DRAWN BY: M.C.O. DWG. No.

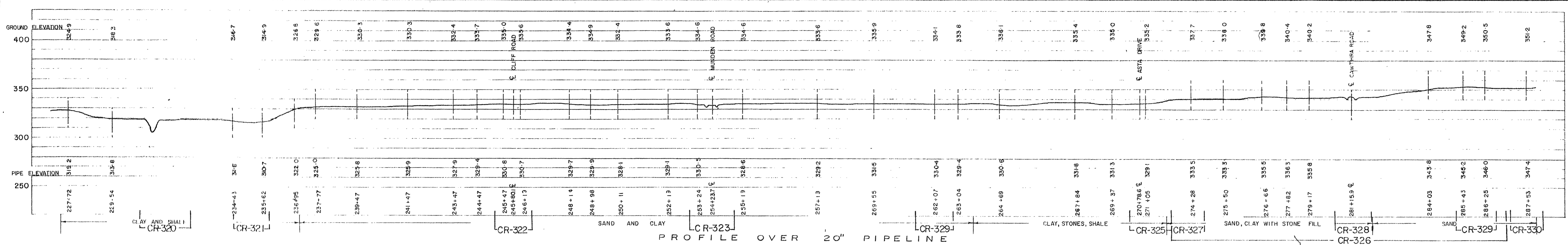
SCALE: Hor. 1" = 20', Ver. 1" = 10'

CHECKED: J.H.K. **CR**

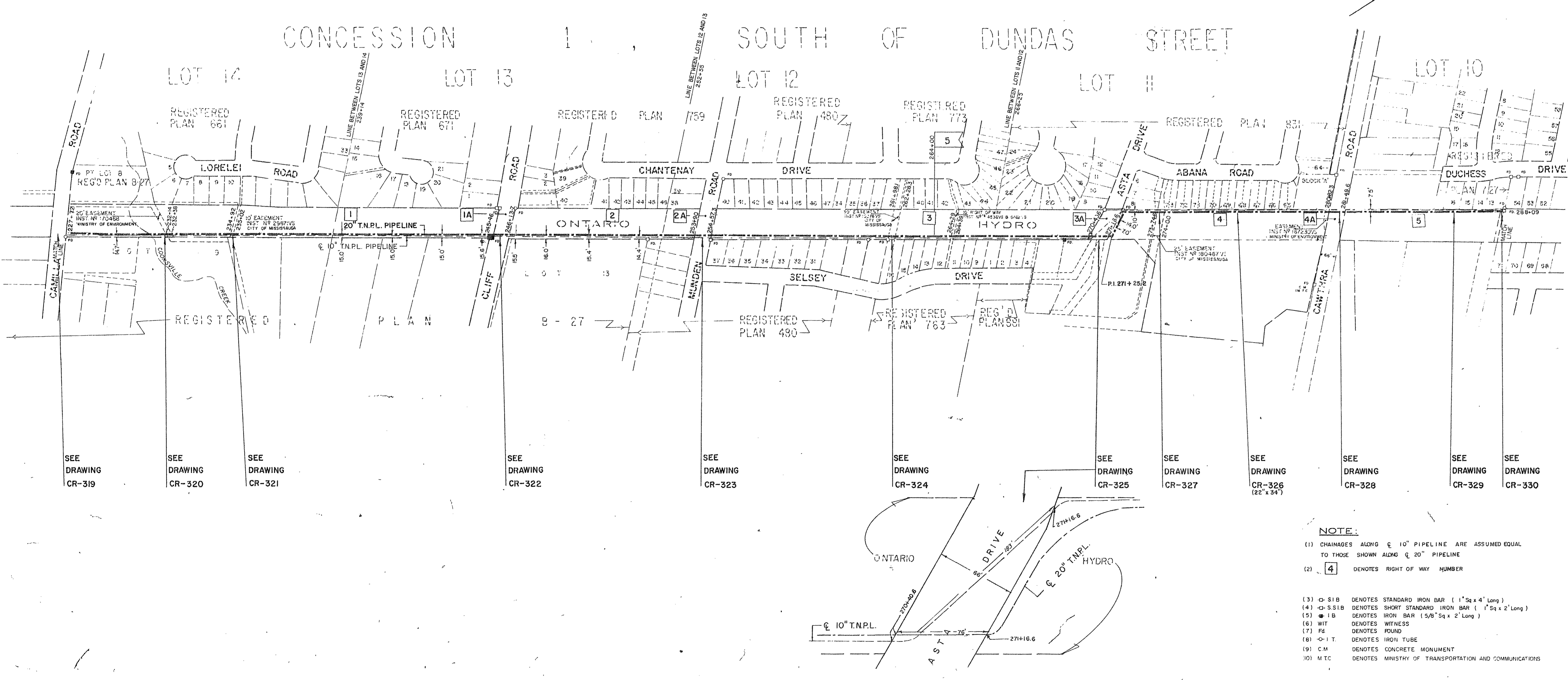
DATE: AUGUST 16, 1974 **333-20**

APPROVED: *D. Nelson*

**PIPELINE CROSSING
MELTON ROAD**



**CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL
(FORMERLY TOWNSHIP OF TORONTO, COUNTY OF PEEL)
1974**



CAUTION:
THIS PLAN IS NOT A PLAN OF SUBDIVISION WITHIN THE MEANING OF SECTION 29, 32 OR 33 OF THE PLANNING ACT

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER PART II OF THE REGISTRY ACT

DATE _____

W. D. BUCK
ONTARIO LAND SURVEYOR

RECEIVED AND DEPOSITED AS
PLAN 43R

DATE _____

LAND REGISTRAR
FOR REGISTRY DIVISION OF PEEL COUNTY
(NO. 43)

**BOOK OF REFERENCE
FOR THE 20" PIPELINE**

No	STATION TO STATION	DISTANCE	AREA	LOT	PLAN OR CON	CITY	OWNER	REMARKS
1	227+72.0	245+46.0	1774.0'	13, 14	I, S.D.S.	CITY OF MISSISSAUGA	ONTARIO HYDRO	
1A	245+46.0	246+13.7	67.7'	13	I, S.D.S.	—	CITY OF MISSISSAUGA	CLIFF ROAD
2	246+13.7	253+90.0	776.3	12, 13	I, S.D.S.	—	ONTARIO HYDRO	
2A	253+90.0	254+57.3	67.3	12	I, S.D.S.	—	CITY OF MISSISSAUGA	MUNDEN ROAD
3	254+57.3	270+40.6	1583.3	11, 12	I, S.D.S.	—	ONTARIO HYDRO	
3A	270+40.6	271+13.6	76	11	I, S.D.S.	—	CITY OF MISSISSAUGA	ASTA DRIVE
4	271+13.6	280+82.3	965.7'	11	I, S.D.S.	—	ONTARIO HYDRO	
4A	280+82.3	281+49.6	67.3'	11	I, S.D.S.	—	CITY OF MISSISSAUGA	CANTHRA ROAD
5	281+49.6	288+09.0	659.4'	10	I, S.D.S.	—	ONTARIO HYDRO	

FOR THE 10" PIPELINE

No	STATION TO STATION	DISTANCE	AREA	LOT	PLAN OR CON	CITY	OWNER	REMARKS
1	227+72.0	245+46.0	1774.0'	0.407	13, 14	I, S.D.S.	MISSISSAUGA	10' RIGHT OF OCCUPANCY BY INST. NO 80974V.S.
1A	245+46.0	246+13.7	67.7'	13	II	—	CITY OF MISSISSAUGA	CLIFF ROAD
2	246+13.7	253+90.0	776.3'	0.178	12, 13	II	—	ONTARIO HYDRO INST. NO 80974V.S.
2A	253+90.0	254+57.3	67.3'	12	II	—	CITY OF MISSISSAUGA	MUNDEN ROAD
3	254+57.3	270+40.6	1583.3'	0.362	11, 12	II	—	ONTARIO HYDRO 10' RIGHT OF OCCUPANCY BY INST. NO 80974 V.S.
3A	270+40.6	271+13.6	76'	11	II	—	CITY OF MISSISSAUGA	ASTA DRIVE
4	271+13.6	280+82.3	965.7'	0.060	11	II	—	ONTARIO HYDRO 3' RIGHT OF OCCUPANCY BY INST. NO 80974V.S.
4A	280+82.3	281+49.6	67.3'	11	II	—	CITY OF MISSISSAUGA	CANTHRA ROAD
5	281+49.6	288+09.0	659.4'	0.023	10	II	—	ONTARIO HYDRO 3' RIGHT OF OCCUPANCY BY INST. NO 80974V.S.

REVISIONS

No.	REMARKS	DATE	INITIALS
1	AS BUILT	11/8/78	J.K.
2	THIS PLAN ENCOMPASSES PLANS MP-69, RW-29 TO MP-70, RW-2	12/4/78	G.C.R.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT

- This survey and plan are correct and in accordance with The Surveys Act and The Registry Act and the regulations made thereunder.
- The survey was completed on the _____ day of _____ 19__.

Marshall Mocklin Monaghan Limited
ONTARIO LAND SURVEYORS

DATE: _____ W.D. BUCK, ONTARIO LAND SURVEYOR

- NOTE:**
- (1) CHAINAGES ALONG ϕ 10" PIPELINE ARE ASSUMED EQUAL TO THOSE SHOWN ALONG ϕ 20" PIPELINE
 - (2) [4] DENOTES RIGHT OF WAY NUMBER
 - (3) ϕ S.I.B. DENOTES STANDARD IRON BAR (1" Sq x 4' Long)
 - (4) ϕ S.S.I.B. DENOTES SHORT STANDARD IRON BAR (1" Sq x 2' Long)
 - (5) \bullet I.B. DENOTES IRON BAR (5/8" Sq x 2' Long)
 - (6) WIT DENOTES WITNESS
 - (7) Fd DENOTES FOUND
 - (8) ϕ I.T. DENOTES IRON TUBE
 - (9) C.M. DENOTES CONCRETE MONUMENT
 - (10) M.T.C. DENOTES MINISTRY OF TRANSPORTATION AND COMMUNICATIONS

TRANS-NORTHERN PIPE LINE COMPANY
TORONTO - ONTARIO

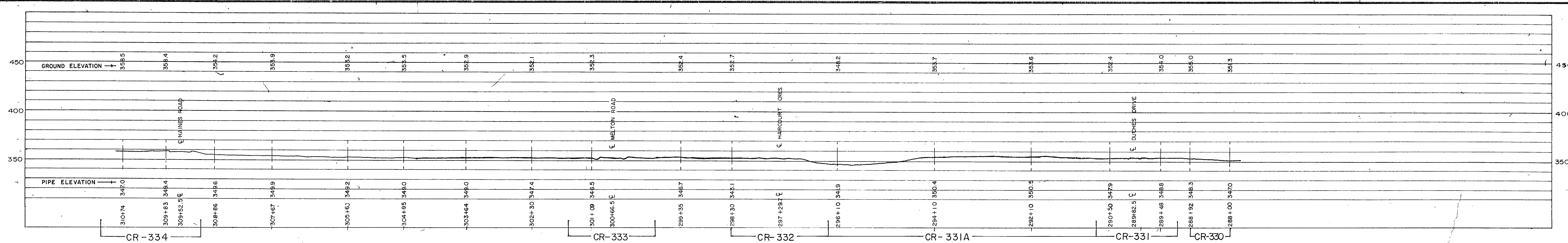
10" & 20" PIPELINE LOCATION PLAN
227+72.0 TO 288+09

APPROVED BY: *S. Nelson*
DATE: 12/18/74

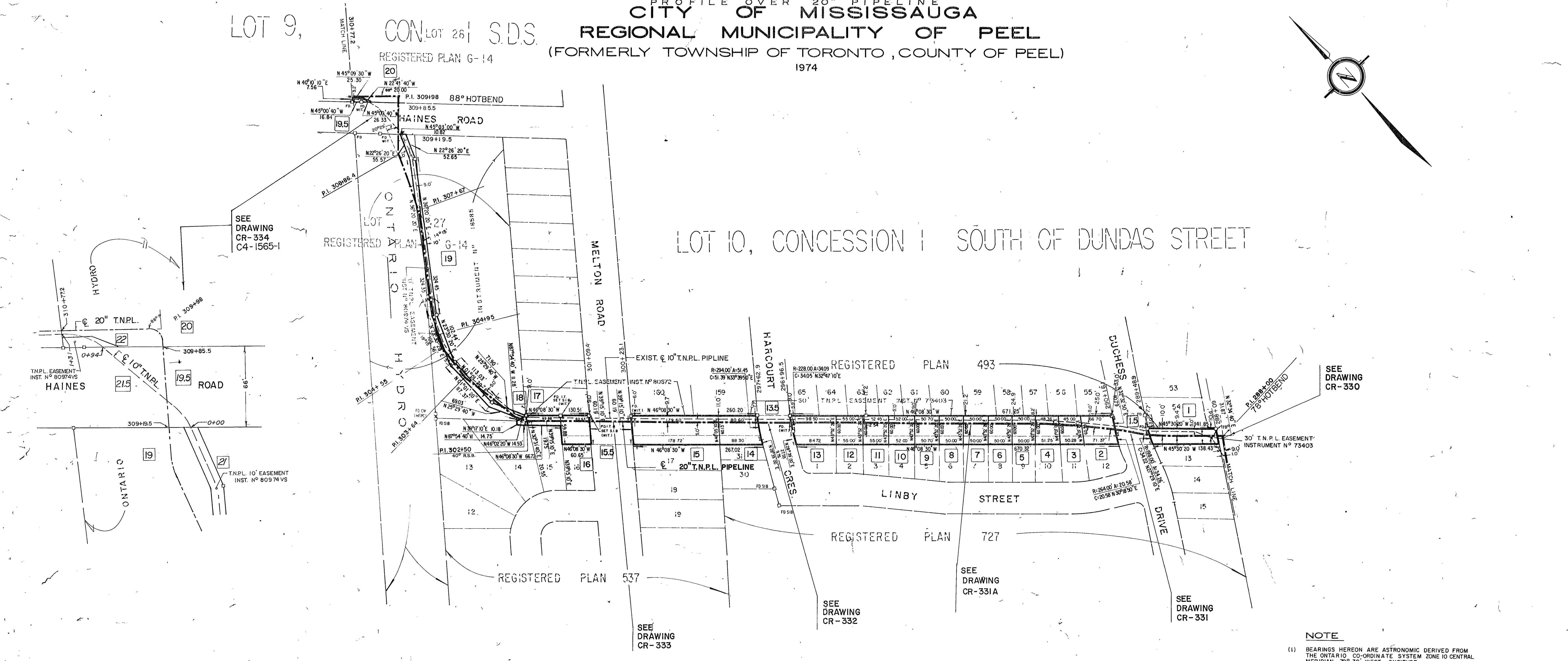
SCALE: HORIZONTAL 1" = 200'
VERTICAL 1" = 50'

DWG. NO. **L-7A**

CHECKED BY: J.K.



PROFILE OVER 20" PIPELINE
CITY OF MISSISSAUGA
 REGIONAL MUNICIPALITY OF PEEL
 (FORMERLY TOWNSHIP OF TORONTO, COUNTY OF PEEL)
 1974



THE LOCATION OF THE 10" PIPELINE IS DIFFERENT FROM THE 20" PIPELINE FROM CHAINAGE 302+519 TO 310+77.2

- NOTE**
- BEARINGS HEREON ARE ASTRONOMIC DERIVED FROM THE ONTARIO CO-ORDINATE SYSTEM ZONE 10 CENTRAL MERIDIAN 79° 30' WEST LONGITUDE.
 - ALL HANGING LINES HAVE BEEN VERIFIED.
 - 1" S.I.B. DENOTES STANDARD IRON BAR. (1" Sq. x 4' Long)
 - 1/2" S.I.B. DENOTES SHORT STANDARD IRON BAR. (1" Sq. x 2' Long)
 - 1" I.B. DENOTES IRON BAR. (5/8" Sq. x 2' Long)
 - o I.T. DENOTES IRON TUBE
 - T.N.P.L. DENOTES TRANS NORTHERN PIPELINE COMPANY
 - (VERTICAL CHAINAGES) CHAINAGES ALONG 10" PIPELINE ARE ASSUMED EQUAL TO THOSE SHOWN ALONG 20" PIPELINE
 - (RIGHT SLANT CHAINAGES) CHAINAGES CALCULATED ALONG 10" PIPELINE WHERE IT DEVIATES FROM THE 20" PIPELINE
 - 10" PIPELINE DENOTES RIGHT OF WAY NUMBER
 - 10" PIPELINE DENOTES RIGHT OF WAY NUMBER - 10" PIPELINE ONLY

CAUTION:
 THIS PLAN IS NOT A PLAN OF SUBDIVISION WITHIN THE MEANING OF SECTION 29, 32 OR 33 OF THE PLANNING ACT.

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER PART II OF THE REGISTRY ACT.

DATE _____

W. D. BUCK
 ONTARIO LAND SURVEYOR

RECEIVED AND DEPOSITED AS
PLAN 43R

DATE _____

LAND REGISTRAR
 FOR REGISTRY DIVISION OF PEEL COUNTY (NO 43)

BOOK OF REFERENCE FOR THE 10" & 20" PIPELINES

No	STATION TO STATION	DISTANCE	AREA ACRES	LOT	PLAN OR CON.	CITY	OWNER	REMARKS	
1	288+09	289+48.9	139.9'	0.106	13	727	CITY OF MISSISSAUGA	K. H. WAITES	30' EASEMENT BY INST. N° 80672
1.5	289+48.9	290+116.1	67.2'	—	—	—	CITY OF MISSISSAUGA	—	DUCHESS DRIVE
2	290+116.1	290+834	73.3'	0.096	12	727	—	G. P. GOURLAY	60' EASEMENT BY INST. N° 73403
3	290+834	291+359	46.5'	0.095	11	—	—	H. PRISTOL	—
4	291+359	291+85.3	49.4'	0.068	10	—	—	C. H. McC DAID	—
5	291+85.3	292+35.3	50.0'	0.069	9	—	—	W. G. MORRISON	—
6	292+35.3	292+85.3	50.0'	0.069	8	—	—	R. W. TEPPO	—
7	292+85.3	293+35.3	50.0'	0.069	7	—	—	—	—
8	293+35.3	293+85.3	50.0'	0.069	6	—	—	S. G. PETURSSON	—
9	293+85.3	294+35	50.7'	0.070	5	—	—	H. MIKI	—
10	294+35	294+88	52.0'	0.072	4	—	—	E. T. LAIN	—
11	294+88	295+43	55.0'	0.074	3	—	—	F. DAVIS	—
12	295+43	295+98	55.0'	0.076	2	—	—	W. CLEAVELEY	—
13	295+98	296+96.5	98.5'	0.128	1	—	—	G. GUTHRIE	—
13.5	296+96.5	297+62.9	66.4'	—	—	—	CITY OF MISSISSAUGA	—	HARCOURT CRESC.
14	297+62.9	298+43.4	80.5'	0.118	31	727	—	G. AZVEDO	—
15	298+43.4	300+23.1	179.7'	0.247	17	537	—	H. SIMPSON	EASEMENT BY INST. N° 80672
15.5	300+23.1	301+09.4	86.3'	—	—	—	CITY OF MISSISSAUGA	—	MELTON ROAD
16	301+09.4	301+70	60.6'	0.084	16	—	—	C. JUDSON	80 672
17	301+70	302+399	69.9'	0.032	15	—	—	C. THOMPSON	80 672

FOR THE 20" PIPELINE ONLY

18	302+399	302+519	12.0'	0.003	14	G-14	—	A. W. CROWTHER	EASEMENT BY INST. N° 80672
19	302+519	309+95	667.6'	—	27	G-14	—	ONTARIO HYDRO	—
19.5	309+195	309+85.5	66.0'	—	—	—	—	CITY OF MISSISSAUGA	HAINES ROAD
20	309+85.5	310+77.2	91.7'	—	28	G-14	—	ONTARIO HYDRO	—

FOR THE 10" PIPELINE ONLY

21	302+519	309+19.5	667.6'	0.153	27	G-14	—	ONTARIO HYDRO	10' EASEMENT BY INST. N° 80974VS
21.5	309+19.5	0+94	94'	—	—	—	—	CITY OF MISSISSAUGA	HAINES ROAD
22	0+94	1+31	37'	0.005	28	G-14	—	ONTARIO HYDRO	EASEMENT BY INST. N° 80974 V.S.

REVISIONS

N°	REMARKS	DATE	INITIALS
1	AS-BUILT	2/5/74	JK
2	THIS PLAN ENCOMPASSES PLAN MR-69, R/W-22-2 TO R/W-2-2	1/4/74	B.C.R.
3	UPDATED	1/2/80	BR

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT

- This survey and plan are correct and in accordance with the Surveys Act and The Registry Act and the regulations made thereunder.
- The survey was completed on the _____ day of _____ 19____.

Marshall Macklin Monaghan Limited
 ONTARIO LAND SURVEYORS

DATE _____ ONTARIO LAND SURVEYOR

TRANS-NORTHERN PIPE LINE COMPANY
 TORONTO - ONTARIO

10" & 20" PIPELINE LOCATION PLAN
 288+09 TO 30+77.2

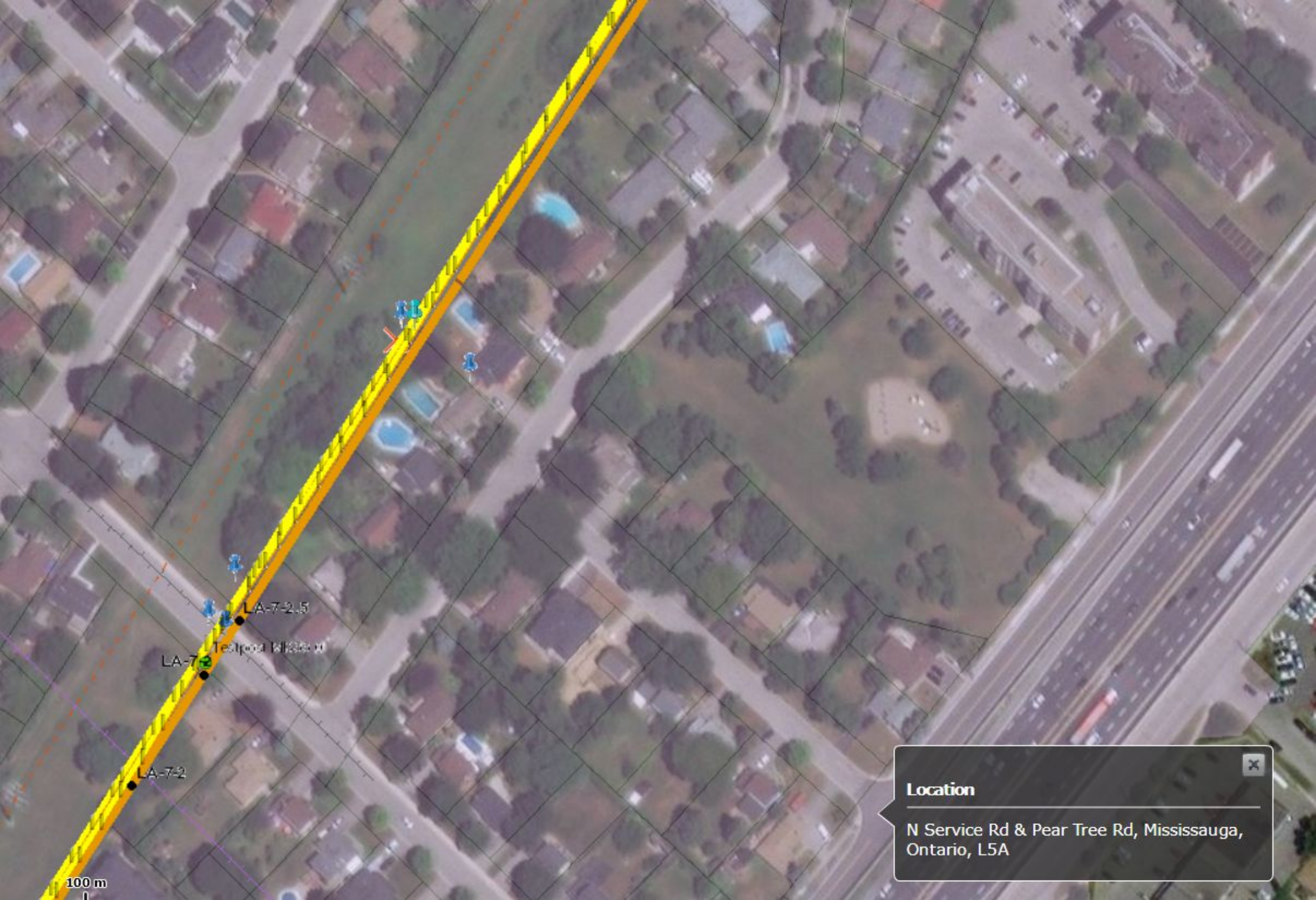
APPROVED: *D. Nelson*
 DATE: 15/1/74

SCALE: HORIZONTAL: 1" = 100'
 VERTICAL: 1" = 50'

DRAWN BY: M.C.O.
 CHECKED BY: J.H.K.

DWG. NO. **L-8A**





LA-7-2

LA-7-2.5

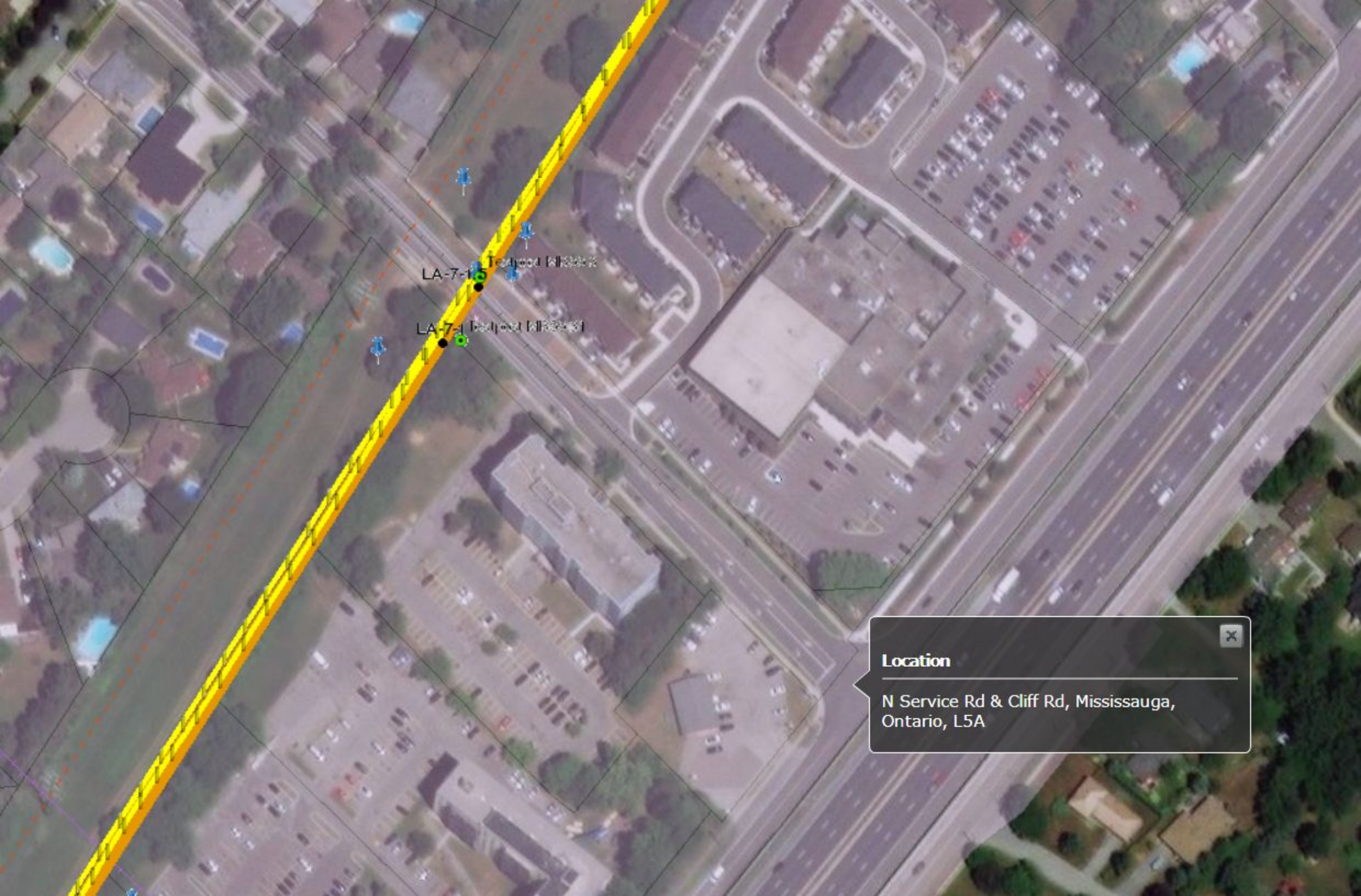
Textpost 81236 W

LA-7-2

100 m

Location

N Service Rd & Pear Tree Rd, Mississauga,
Ontario, L5A



LA-7-15

LA-7-16

Textpoint K1R33576

Textpoint K1R33581

Location

N Service Rd & Cliff Rd, Mississauga,
Ontario, L5A



May 20, 2020
Our File: 718018

Mr. Cliff Lee
Coordinator, Crossings & Facilities
Trans-Northern Pipeline Inc.
45 Vogell Road, Suite 310
Richmond Hill, Ontario L4B 3P6

Re: Region of Peel Wastewater Capacity Improvement for Central Mississauga Class Environmental Assessment

Dear Mr. Cliff Lee,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment (Class EA) for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

On December 2, 2019, a consultation letter was sent to advise Trans-Northern Pipeline Inc. (TNPI) of the short list of alternative servicing strategies. We received feedback from TNPI including TNPI owned infrastructure mapping. The project team evaluated the short list based on the information collected through the Class EA process and presented the preliminary preferred servicing strategy (Attachment 1) to the public on March 10, 2020.

We understand that TNPI currently owns infrastructure within the study area, however, only one pipeline crosses the preferred alignment at Haines Road and Queensway East. At this time, we would appreciate your assistance and ask that you review the preferred strategy and provide additional mapping of TNPI owned assets (above and below ground) within or adjacent to the preferred alignments. Any potential locations for future infrastructure would also be helpful in establishing any site constraints as we further refine the servicing strategy including construction shaft locations and refined sewer alignments.

Furthermore, we would like to request a review of protocols/standards, minimum asset clearances and any other input that you can provide at this stage that would assist us in the conceptual design evaluation and preliminary design phase of this project. Once the preferred design of the alignments and shaft sites has been selected, the project team can provide alignment drawings and shaft site requirements and layouts. A meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

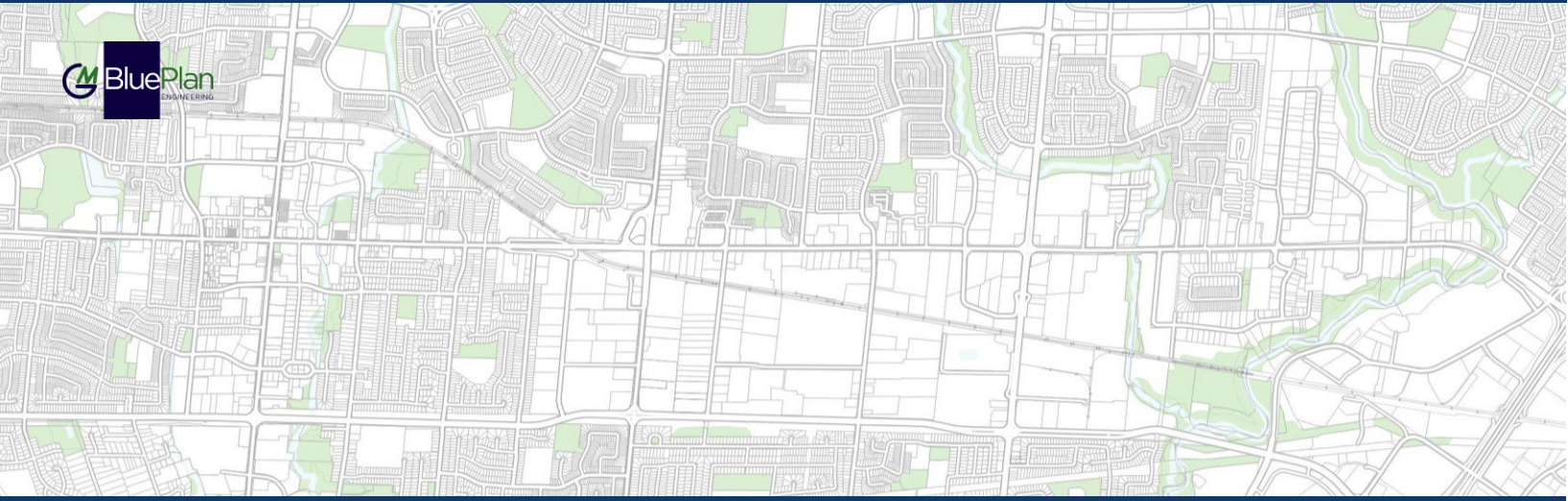
Per:

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Justin Lee, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preferred Solution (Map)



REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

Ontario Power Generation Inc. (OPG)



December 2, 2019

Our File: 718018

Ms. Tammy Wong
Senior Environment Specialist
Municipal Coordination Advisor/GTA Project Planner
Ontario Power Generation
700 University Avenue
Toronto, ON M5G 1X6

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

Dear Ms. Tammy Wong,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any Ontario Power Generation operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell', written over a light blue grid background.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 04, 2019 1:11 PM
To: 'tammy.wong@opg.com'
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ OPG.pdf

Hello Ms. Tammy Wong,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: WONG Tammy -ENV H&S <tammy.wong@opg.com>
Sent: Thursday, December 19, 2019 10:53 AM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; DENNIS Braden -ENV H&S; MEDEIROS Barbara -ENV H&S
Subject: RE: Region of Peel Central Mississauga EA

Hi Sandra,

Thank you for consulting OPG. We have determined that this project is not expected to impact OPG's real estate and operations. Can you please remove us from this distribution list?

Happy holidays,

Tammy Wong
Sr. Environment Specialist
Ontario Power Generation
Tammy.wong@opg.com | 416-592-4548

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, December 4, 2019 1:11 PM
To: WONG Tammy -ENV H&S <tammy.wong@opg.com>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: Region of Peel Central Mississauga EA

***** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. *****

Hello Ms. Tammy Wong,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf

Please let me know if you have any questions.

Thank you,

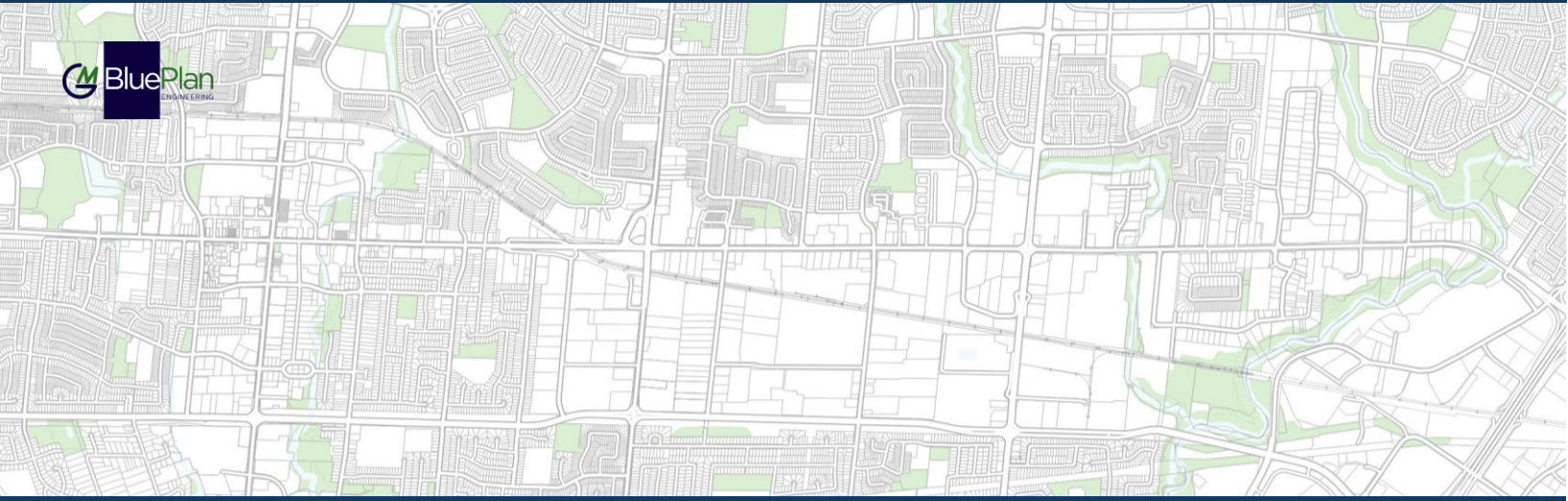
Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

TransCanada Pipelines (TC)



December 2, 2019

Our File: 718018

Mr. Brian MacDonnell
Senior Land Representative
TC Energy
450 - 1 Street S.W.
Calgary, Ontario T2P 5H1

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

To Mr. Brian MacDonnell,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any TC Energy operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell', written over a white background.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 04, 2019 11:12 AM
To: 'brian_macdonnell@transcanada.com'
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ TC Energy.pdf

Hello Mr. Brian MacDonnell,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA -
_Preliminary_Short_Listed_Sites.pdf](https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Darlene Quilty <dquilty@mhbcplan.com>
Sent: Wednesday, December 18, 2019 9:21 AM
To: Sandra Anastasio - GM BluePlan
Subject: FW: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ TC Energy.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good Morning Sandra,

With respect to your request below, TC Energy does not have any pipelines within the study area.

Thank you,

DARLENE QUILTY | Planning Co-ordinator

MHBC Planning, Urban Design & Landscape Architecture
On behalf of TransCanada PipeLines Limited

113 Collier St. | Barrie | ON | L4M 1H2 | T 705 728 0045 x 243 | C 705 627 2302 | dquilty@mhbcplan.com |

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From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, December 4, 2019 11:12 AM
To: Brian MacDonnell <brian_macdonnell@tcenergy.com>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: [EXTERNAL] Region of Peel Central Mississauga EA

Hello Mr. Brian MacDonnell,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



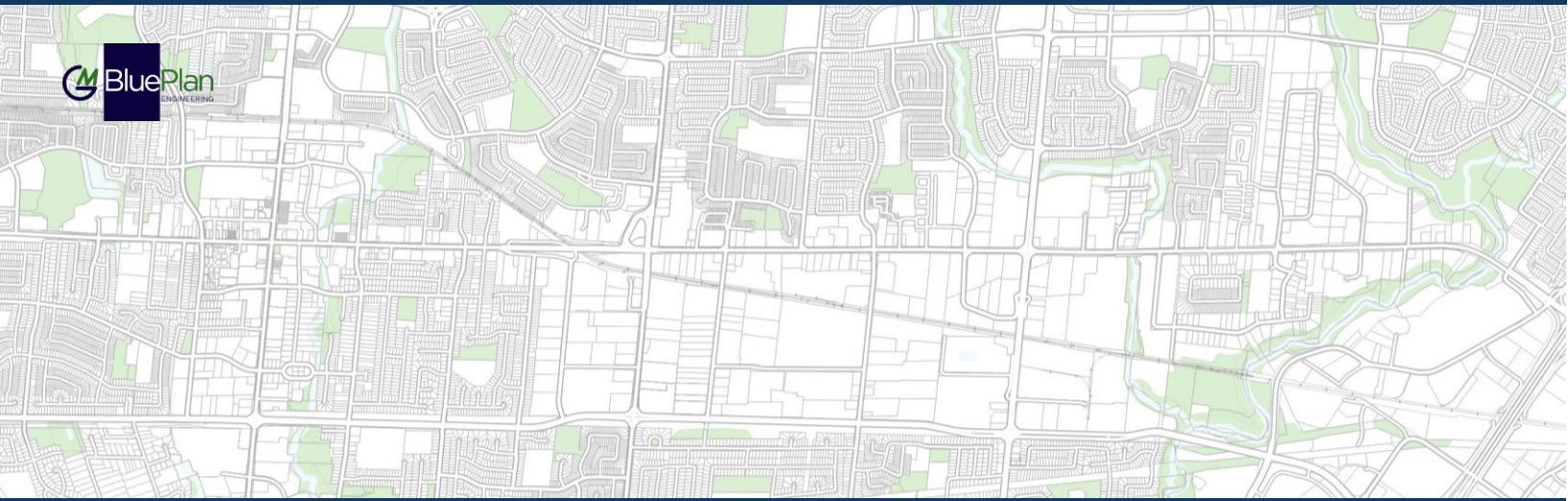
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REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

Hydro One Networks Inc.

Sandra Anastasio - GM BluePlan

From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Friday, September 13, 2019 3:02 PM
To: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: FW: Hydro One Response: Wastewater Capacity Improvements in Central Mississauga
Attachments: 20190913-NoticeOfCommence-Wastewater Capacity Improvements in Central Mississauga.pdf

Follow Up Flag: FollowUp
Flag Status: Flagged

[Chris/Sandra,](#)

[Please comments attached from Hydro One.](#)

[Thanks,](#)

Laura Borowiec, P.Eng.

Project Manager

Infrastructure Planning & Studies, Growth, Groundwater & Source Water Protection

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

905-791-7800 Ext. 7681



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From: SecondaryLandUse@HydroOne.com <SecondaryLandUse@HydroOne.com>
Sent: September 13, 2019 1:14 PM
To: Borowiec, Laura <laura.borowiec@peelregion.ca>
Subject: Hydro One Response: Wastewater Capacity Improvements in Central Mississauga

Please see the attached for Hydro One's Response.

Hydro One Networks Inc

SecondaryLandUse@HydroOne.com

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Hydro One Networks Inc
483 Bay St
Toronto, ON

September 13, 2019

Re: Wastewater Capacity Improvements in Central Mississauga

Attention:
Laura Borowiec, P.Eng.
Project Manager

In our preliminary assessment, we have confirmed that Hydro One has existing high voltage Transmission facilities within your study area. At this point in time we do not have enough information about your project to provide you with meaningful input with respect to the impacts that your project may have on our infrastructure. As such, this response does not constitute any sort of approval for your plans and is being sent to you as a courtesy to inform you that we must be consulted on your project.

In addition to the existing infrastructure mentioned above, the affected transmission corridor may have provisions for future lines or already contain secondary land uses (i.e. pipelines, watermains, parking, etc). Please take this into consideration in your planning.

Also, we would like to bring to your attention that should (Wastewater Capacity Improvements in Central Mississauga) result in a Hydro One station expansion or transmission line replacement and/or relocation, an environmental assessment (EA) will be required as described under the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016). This EA process would require a minimum of 6 months to be completed and associated costs will be allocated and recovered in accordance with the Transmission System Code. Furthermore, to complete an EA it can take from 6 months (to complete a Class EA Screening Process) to 18 months (to complete a Full Class EA Process) based on the level of assessment required for the EA. In order to achieve speedy completion of the EA, Hydro One will need to rely on studies and/or reports completed as part of the EA for your project.

Please allow the appropriate lead-time in your project schedule in the event that your proposed development impacts Hydro One infrastructure to the extent that it would require modifications to our infrastructure.

In planning, please note that developments should not reduce line clearances or limit access to our facilities at any time in the study area of your Proposal. Any construction activities must maintain the electrical clearance from the transmission line conductors as specified in the Ontario Health and Safety Act for the respective line voltage.

Please note that the proponent will be held responsible for all costs associated with modification or relocation of Hydro One facilities, as well as any added costs that may be incurred due to increase efforts to maintain our facilities.

We reiterate that this message does not constitute any form of approval for your project. Hydro One must be consulted during all stages of your project. Please ensure that all future communications about your project are sent to us electronically to secondarylanduse@hydroone.com.

Sent on behalf of,

***Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.***



December 2, 2019

Our File: 718018

HydroOne Networks
483 Bay Street, North Tower, 15th Floor
Toronto, Ontario M5G 2P5

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

To Whom it May Concern,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any HydroOne operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell', written over a white rectangular background.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 04, 2019 11:06 AM
To: 'SecondaryLandUse@HydroOne.com'
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_HydroOne.pdf

Hello,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA -
_Preliminary_Short_Listed_Sites.pdf](https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca





Royal Centre 3300 Hwy 7 Suite 402
Vaughan ON L4K 4M3
P: 416.703.0667 F: 416.703.2501
www.gmblueplan.ca

Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018
Meeting:	Hydro One Consultation Meeting	
Date:	Thursday, March 26, 2020	Time: 1:00 pm – 2:00 pm
Location:	Skype Meeting	
Attendees:		
	<u>Hydro One</u> Matey Matev Greg Gowan Jennifer Trotman	<u>Region of Peel</u> Justin Lee Laura Borowiec
		<u>GM BluePlan</u> Chris Campbell Mark Zamojc Sandra Anastasio

Agenda Items

1. Introductions
2. Meeting Objectives
 - a) Agree Contact Leads
 - b) Outline study process, timelines and input opportunities
 - c) Gather information on Hydro One infrastructure
 - d) Understand Hydro One procedures, standards and policies related to the study
3. Project Overview
4. Project Schedule
5. Hydro One Considerations
6. Next Steps

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

Hydro One Consultation
March 26, 2020

AGENDA

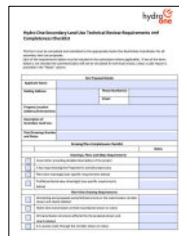
1. Introductions
2. Project Overview
3. Project Schedule
4. Hydro One Considerations
5. Next Steps

Meeting Objectives

- Agree contact leads
- Outline study process, timelines and input opportunities
- Gather information on Hydro One infrastructure
- Understand Hydro One procedures, standards and policies related to the study

COMMUNICATIONS

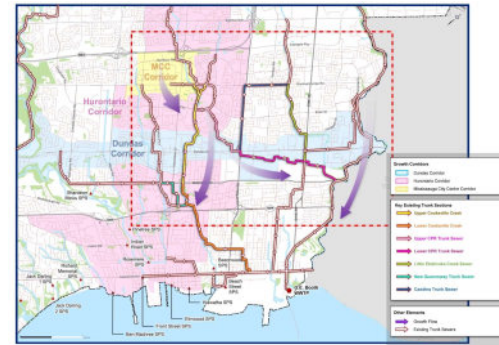
- **Project Leads**
 - ✓ Region of Peel: Justin Lee, Project Manager
 - ✓ GM BluePlan: Chris Campbell, Project Manager
- **Hydro One Contacts**
 - ✓ Brian McCormick, Manager of Environmental Services
 - ✓ Greg Gowan, Senior Real Estate Coordinator
 - ✓ Matey Matev, Senior Network Management Officer
 - ✓ Jennifer Trotman, Distributed Generation Connections
 - ✓ Farooq Qureshy, Manager, Transmission Planning
 - ✓ Rosella Fazio, Manager Transmission Lines Sustainment
 - ✓ Walter Kloostra, Manager Distribution Sustainment Planning
- **Hydro One Study Consultation**
 - ✓ Notice of Commencement (May 2019)
 - ✓ Consultation Letter on Short List of Alternatives (November 2019)
 - Received feedback from Hydro One on the Technical Review Requirements including "Temporary License Agreement" and "Grant of Easement"
 - ✓ Notice of Public Information Centre #1 (February 2020)



STUDY AREA

Study Problem / Opportunity Statement

"Increase the conveyance capacity of key trunk sewers to service future growth and ensure alignment with the Region's long-term plan for providing wastewater services within the Mississauga City Centre, Hurontario Corridor and Dundas Corridor areas."



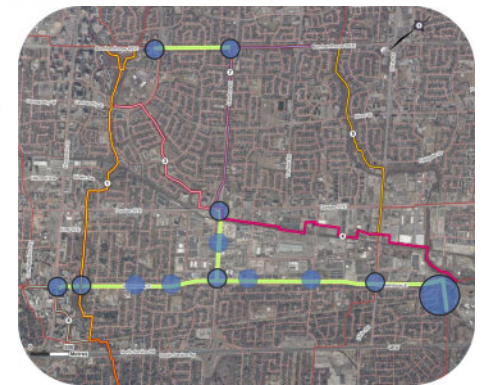
EA PROCESS

Project Schedule Timeline



We are currently in Phase 3 of the EA process to identify and evaluate the alternative design concepts for the preferred solution alignments and shaft sites.

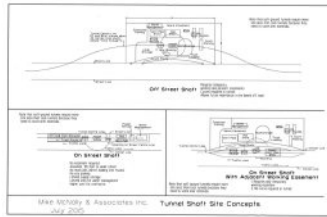
PRELIMINARY PREFERRED SOLUTION



CONSTRUCTION METHODOLOGY & ASSUMPTIONS



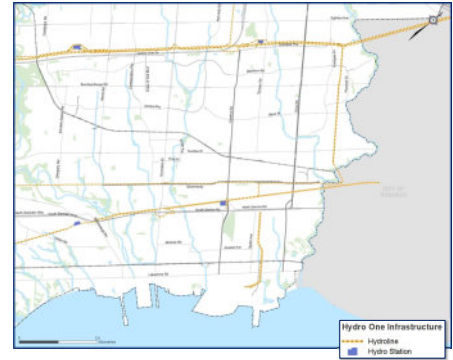
- The depth of the proposed sewer alignments require the use of tunneling as opposed to open cut method
 - Sewer depth driven by key connection points
 - Sewer depth will avoid impacts to natural features
- The only surface works involved with tunnel construction are entrance/exit shafts located between tunnel drive lengths
 - Each access shaft will require a staging area where construction equipment can be stored and excavated material can be brought to the surface to be hauled from the site in trucks
 - Staging areas will measure approximately 50 m x 50 m and will be fenced off
 - Shaft site locations are selected based on the availability of land including open spaces, vacant lots and greenspaces
 - The proposed alignment will require a minimum of 8 shaft locations
 - Once tunneling is completed, the staging area will be restored to its original condition or better



HYDRO ONE INFRASTRUCTURE



- Through a baseline review of utilities, Hydro One has the following infrastructure within the study area
- What further information can Hydro One provide to support the review and evaluation of the design alternatives for the alignment and shaft sites?



HYDRO ONE CONSIDERATIONS



Hydro One procedures and policies to support the evaluation of the alternative alignment and shaft site design concepts



- What is the minimum clearance (vertical and horizontal) required for works nearby hydro lines?
- What does Hydro One require for works nearby hydro lines?
- What are the next steps in Hydro One's review process?
- What are the mitigation measures required?

QUEENSWAY – CONCEPTUAL SHAFT LOCATIONS



QUEENSWAY – CONCEPTUAL SHAFT LOCATIONS



QUEENSWAY – CONCEPTUAL SHAFT LOCATIONS



QUEENSWAY – CONCEPTUAL SHAFT LOCATIONS



GM BluePlan
March 26, 2020

NEXT STEPS



- Additional technical studies will be completed on the preferred solution including:
 - Utilities and Infrastructure Review
 - Natural Features
 - Phase 1 ESA
 - Geotechnical
 - Stage 2 Archeological Assessment
- Phase 3: Design Concept Alternatives and Preferred Design Solution
 - Confirm detailed alignment and shaft locations
- PIC #2 to present the preliminary preferred design concept
 - Fall 2020

GM BluePlan
March 26, 2020

HYDRO ONE FEEDBACK



GM BluePlan
March 26, 2020



Royal Centre 3300 Hwy 7 Suite 402
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 www.gmbblueplan.ca

Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.:	718018
Meeting:	City of Mississauga Consultation Meeting		
Date:	Thursday, March 26, 2020	Time:	1:00 pm – 2:00 pm
Location:	Skype Meeting		
Attendees:			
<u>Hydro One</u> Matey Matev (MM) Greg Gowan (GG) Jennifer Trotman (JT) Nikhil Chogal (NC)	<u>Region of Peel</u> Justin Lee (JL) Laura Borowiec (LB)	<u>GM BluePlan</u> Chris Campbell (CC) Mark Zamojc (MZ) Sandra Anastasio (SA)	

Item	Actions
<u>1. Contact Leads</u> 1.1 Hydro One team advised of changes to Hydro One contacts in study contact list. All contacts to be replaced by <u>secondarylanduse@hydroone.com</u>. 1.2 Greg Gowan will be the main contact once this EA study is complete.	1.1 GMBP
<u>2. Project Overview</u> 2.1 Construction methodology was reviewed early in the evaluation process due to the deep depth required for key sewer connection points. 2.2. Through the evaluation of alternatives, tunneling was considered the only viable construction method. 2.3 Through the evaluation process, the study has considered avoidance as the main mitigative measure, where possible.	
<u>3. Hydro One Infrastructure</u> 3.1 Hydro One owns land throughout the Queensway East alignment. 3.2 Hydro One does not own the entire hydro line across the Queensway alignment. <ul style="list-style-type: none"> • Hydro One owns the active transmission line on Queensway from west of Stanfield Road to Etobicoke Creek. • Hydro One owns the transmission line that runs in between QEW and Queensway. • Hydro One owns the hydro station just north west of Cawthra and QEW. • Alectra owns the hydro lines on Queensway from Hurontario Street to west of Stanfield Road. 	

<p>3.3 Hydro One to provide figures for Hydro One infrastructure nearby and along Queensway alignment.</p> <ul style="list-style-type: none"> Hydro One received information from surveys conducted by past project proponents – A survey may be required for this study. 	<p>3.3. Hydro One</p>
<p><u>4. Hydro One Considerations</u></p> <p>4.1 Hydro One team prefers all shaft locations to be outside of Hydro One corridor</p> <p>4.2. Hydro One’s main concerns are:</p> <ul style="list-style-type: none"> Vibrations at transmission towers Transmission tower/line clearances <p>4.3 Hydro One to provide Vibration Requirement Guidelines</p> <ul style="list-style-type: none"> For construction works near transmission towers - maximum 15mm/s vibration permitted. If vibrations exceed allowable maximum, Hydro One may request monitoring at towers for sediment and vibrations. <p>4.4 The minimum clearance from Hydro Towers is 15 m</p> <ul style="list-style-type: none"> If shaft is located outside of a Hydro One corridor, there should not be any minimum clearances, however, Hydro One will review all proposed designs to confirm alignment clearances. <p>4.5 OSHA provides limits of approach for live conductors (operating at 230 KV).</p> <p>4.6 Shaft Site Review:</p> <ul style="list-style-type: none"> Queensway and Dixie Road – no preference, however Hydro One will required more detailed information of shaft site options at this location. This shaft site is not critical and can be avoided if necessary. Queensway and Etobicoke Creek – Hydro One prefers north shaft site (site not located within Hydro One corridor). Queensway and Sherway Drive – crossing Hydro One lines perpendicularly – must keep a minimum 15 m from transmission towers. <p>4.7 Technical Review Requirements document (received through past consultation with Hydro One) contains information on what is required from proponent for Hydro One’s design reviews process.</p>	<p>4.3. Hydro One</p>
<p><u>5. Next Steps</u></p> <p>5.1 GMBP and Region will consider commentary received from Hydro One in the design alternatives evaluation process</p> <p>5.2 Region to review property acquisitions</p> <ul style="list-style-type: none"> Going forward, consultation / correspondence with Hydro One to include Regional Real Estate contact, Steve Oldford. <p>5.3 Next Public Information Center is planned for Fall 2020 and will identify the preliminary preferred design concepts for the alignment and shaft locations.</p>	<p>5.2. Region</p>

Sandra Anastasio - GM BluePlan

From: Matey.MATEV@HydroOne.com
Sent: Wednesday, April 15, 2020 9:44 AM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; laura.borowiec@peelregion.ca; Justin.Lee@peelregion.ca; greg.gowan@hydroone.com; Jennifer.Trotman@hydroone.com; Nikhil.Chogal@HydroOne.com
Subject: RE: Central Mississauga EA - Meeting Package

Follow Up Flag: Follow up
Flag Status: Completed

Hi Sandra

Please see below screen shots showing our existing assets for your consideration. The mapping moves from east to west.

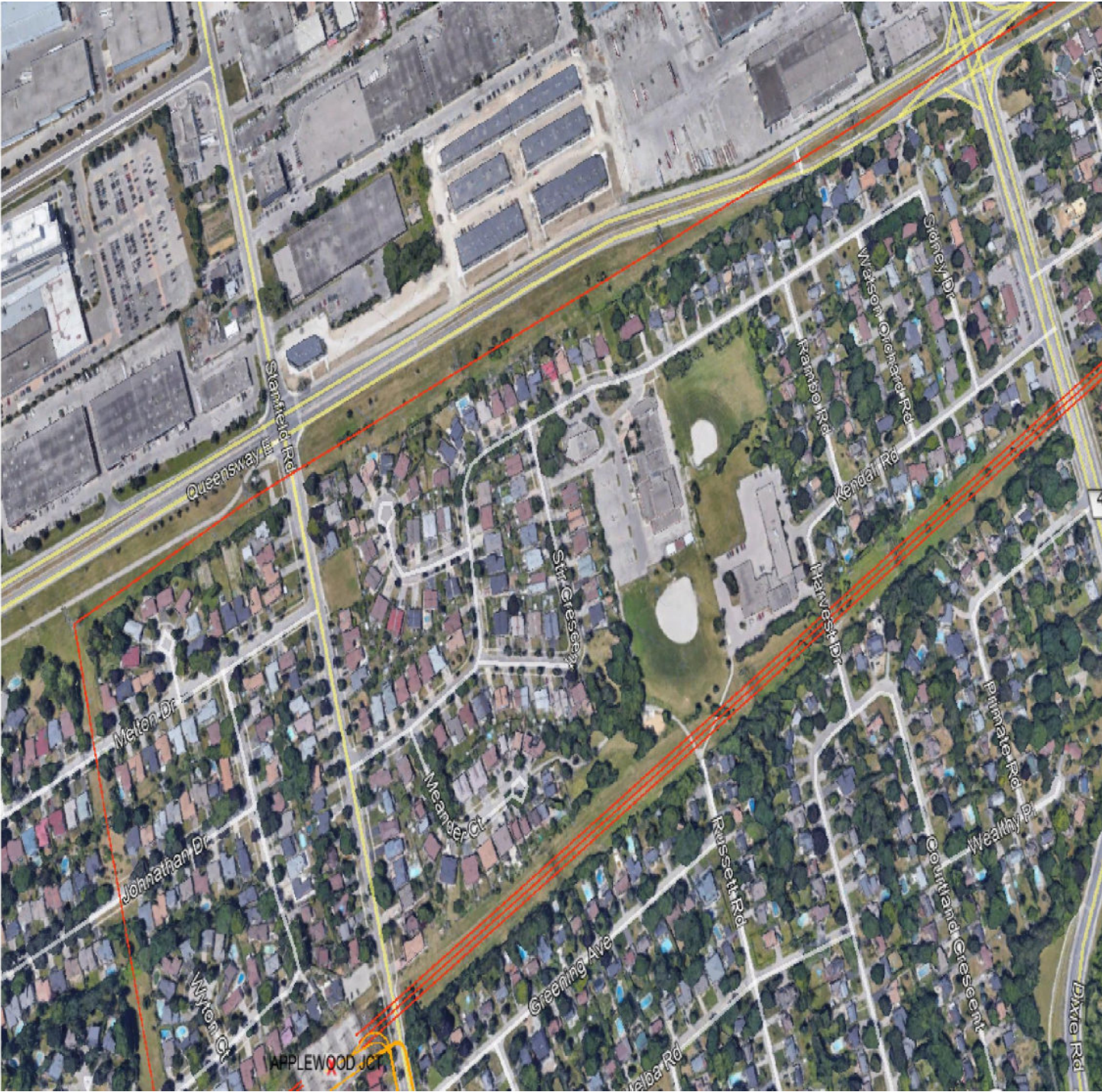
The red lines are overhead 230,000 volt lines and the yellow lines are underground 230,000 volt cables which are currently not energized.

As discussed on our call, we do have real estate rights on properties in the area which have no transmission lines on them.

Please review and let us know if further information is needed.

Thanks
Matey







From: Sandra Anastasio - GM BluePlan [mailto:Sandra.Anastasio@gmblueplan.ca]

Sent: Monday, April 13, 2020 11:22 AM

To: MATEV Matey

Cc: Chris Campbell - GM BluePlan; laura.borowiec@peelregion.ca; Justin.Lee@peelregion.ca; GOWAN Greg; TROTMAN Jennifer; CHOGAL Nikhil

Subject: RE: Central Mississauga EA - Meeting Package

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Hi Matey,

Thank you for providing information for action item 4.3.

In regards to action item 3.3, we are requesting mapping of all Hydro One assets along and adjacent to the Queensway alignment (above and below ground assets) to include in our inventory and to be considered in our alignment and shaft site design alternative evaluation.

Let me know if you have any additional questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Matey.MATEV@HydroOne.com <Matey.MATEV@HydroOne.com>
Sent: Wednesday, April 08, 2020 4:23 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; laura.borowiec@peelregion.ca;
Justin.Lee@peelregion.ca; greg.gowan@hydroone.com; Jennifer.Trotman@hydroone.com;
Nikhil.Chogal@HydroOne.com
Subject: RE: Central Mississauga EA - Meeting Package

Hi Sandra,

Thank you for drafting the minutes of meeting.
In general we don't have comments on them, except the two items below.

We do have one question regarding the action under item 3.3. Could you please refresh our memory what was the deliverable for this item?

Please find below the vibration limit which closes action 4.3:

Maximum permissible ground vibrations at the foundation(s) of the transmission structure nearest to the blast will not exceed 50 mm/s (2 in/s).

Thank you
Matey

From: Sandra Anastasio - GM BluePlan [<mailto:Sandra.Anastasio@gmblueplan.ca>]
Sent: Wednesday, April 01, 2020 5:19 PM
To: MATEV Matey; GOWAN Greg; TROTMAN Jennifer; CHOGAL Nikhil

Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Lee, Justin
Subject: Central Mississauga EA - Meeting Package

***** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. *****

Hello Matey,

Please find in the link below the meeting package for the Central Mississauga EA call last Thursday. If there are any changes, please let me know and I will update and resubmit accordingly.

This file will only be available for 21 days.

[04-01-20 1715 200326-PKG-Hydro One Consultation Meeting.pdf](#)

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Matey.MATEV@HydroOne.com
Sent: Thursday, March 19, 2020 9:18 AM
To: Justin.Lee@peelregion.ca
Cc: greg.gowan@hydroone.com; laura.borowiec@peelregion.ca; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan; Jennifer.Trotman@hydroone.com
Subject: RE: Wastewater Capacity Improvements in Central Mississauga - Hydro One transmission impacts

Good morning Justin

Thank you for your prompt response and the update on the contact info.
Yes – March 26 at 1pm works for our schedules.

Please include Greg Gowan and Jennifer Trotman (cc'd) in the invitation

Thanks
Matey

From: Lee, Justin [mailto:Justin.Lee@peelregion.ca]
Sent: Thursday, March 19, 2020 9:14 AM
To: MATEV Matey
Cc: GOWAN Greg; Borowiec, Laura; Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: RE: Wastewater Capacity Improvements in Central Mississauga - Hydro One transmission impacts

***** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. *****

Hi Matey,

Good morning and hopefully all is well with you.

Thank you for your email in regards to the EA. I am the new Project Manager with the Region of Peel for the Central Mississauga Wastewater Capacity Improvements EA. Laura Borowiec will still be involved in the project but on a higher level.

I have discussed with our consultants on availability over the next week and propose a conference call on Thursday March 26th from 1pm to 2pm. If you are available at this time, I will set up a Skype Conference call for all of us. If you have prefer another date / time, please let me know.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481

Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: SecondaryLandUse@HydroOne.com <SecondaryLandUse@HydroOne.com>
Sent: Friday, March 13, 2020 1:36 PM
To: Borowiec, Laura
Subject: Wastewater Capacity Improvements in Central Mississauga - Hydro One transmission impacts

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

Good afternoon Ms. Borowiec,

Hydro One is in receipt of your notification about PIC #1 for the wastewater Capacity Improvements in Central Mississauga.

We have transmission facilities in your study area which are likely to be impacted and we would like to discuss those impacts with you.

Could you please advise a date/time next week when we can have a conference call to discuss the project?

Thanks
Matey

Matey N. Matev, MBA

Senior Network Management Officer, Asset Optimization – Secondary Land Use, TCT13-C7

Hydro One Networks Inc.

Tel: (416) 345-6709

Fax: (416) 345-6077

Email: matey.matev@HydroOne.com

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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Friday, January 15, 2021 8:55 AM
To: greg.gowan@hydroone.com; Jennifer.Trotman@hydroone.com; Arnold.Vidad@HydroOne.com; Matey.MATEV@HydroOne.com
Cc: Chris Campbell - GM BluePlan; Mark Zamojc (mark.zamojc@gmblueplan.ca); Lee, Justin; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Oldford, Steven
Subject: Region of Peel Central Mississauga EA Meeting

Hi Greg,

Please find a link below to the agenda and slides that will be discussed during the upcoming Region of Peel Central Mississauga EA meeting on Monday.

https://sendafile.gmblueplan.ca/public_uploads/2021-01-15_135237_SandraAnastasio.zip

Let me know if you have any issues accessing the documents.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
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Vaughan ON L4K 4M3
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www.gmblueplan.ca

Meeting Agenda

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018
Meeting:	Hydro One Consultation Meeting	
Date:	Monday, January 18, 2021	Time: 1:00 pm – 2:00 pm
Location:	Microsoft Teams	
Attendees:		
<u>Hydro One</u>	<u>Region of Peel</u>	<u>GM BluePlan</u>
Matey Matev	Justin Lee	Chris Campbell
Greg Gowan	Laura Borowiec	Mark Zamojc
Jennifer Trotman	Steven Oldford	Sandra Anastasio
Arnold Vidad		

Agenda Items

1. Introductions & Meeting Objectives
2. Project Overview
3. Hydro One Land Impacts
4. Proposed Alignment & Conceptual Shaft Compound Review
5. Approval Process & Next Steps

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

Hydro One Consultation
January 18, 2021

AGENDA

1. Introductions & Meeting Objectives
2. Project Overview
3. Hydro One Land Impacts
4. Proposed Alignment & Conceptual Shaft Compound Review
5. Approval Process & Next Steps

Meeting Objectives

- Update Hydro One team on preliminary preferred solution
- Obtain Hydro One support for preliminary preferred design concept
- Discuss any Hydro One team concerns/constraints on preliminary preferred shafts / sewer alignment
- Understand Hydro One permit/land needs process and next steps

PROJECT OVERVIEW

- Hydro One consultation in March 2020 presented the results of Phase 2 of the EA process, the preferred conceptual sewer alignment.
- Currently completing Phase 3 of the EA process to identify and evaluate the alternative design concepts for the preferred solution alignments and shaft sites.
- Public Consultation Centre #2 – March 2021



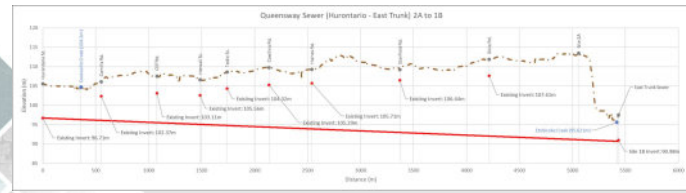
HYDRO ONE LAND IMPACTS

- Hydro One owns land along Queensway E and Etobicoke Creek
- Hydro Infrastructure:
 - Alectra owns hydro infrastructure to the west of Stanfield Rd (overhead power lines & poles)
 - Hydro One owns hydro infrastructure to the east of Stanfield Rd (overhead power lines & transmission towers)
- A portion of the proposed alignment falls within Hydro One lands



HYDRO ONE LAND IMPACTS

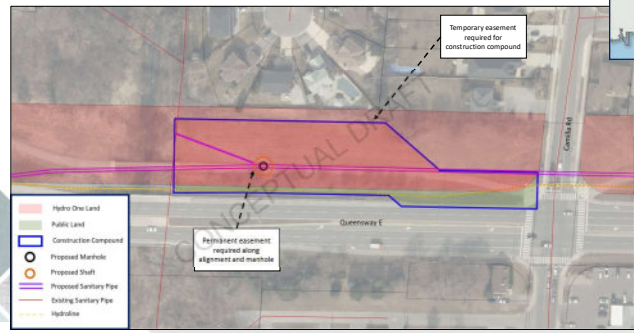
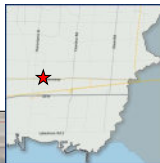
- The depth of the proposed Queensway sewer alignment will require the use of tunneling as opposed to open cut method (minimum of ~ 5 m depth below ground elevation on Hydro One lands).
- The only surface works involved with tunnel construction are the entrance/exit/connection shafts. Once the tunneling is completed, the main staging area will be returned to its original condition or better.
- There are preliminary preferred shaft sites along Queensway East which will require temporary and permanent easements on Hydro One owned land to facilitate construction of shafts/manholes and sewer alignment including:
 - ❑ Queensway and Cookville Creek/Camilla
 - ❑ Queensway and Cliff
 - ❑ Queensway and Hensall
 - ❑ Queensway and Tedlo
 - ❑ Queensway and Etobicoke Creek



CONCEPTUAL SHAFT COMPOUNDS

Queensway and Cookville Creek/Camilla

- Portion of construction compound within Hydro One owned land.
- Permanent and temporary easements required for alignment and manhole.
- Pipe depth at proposed manhole ~ 6 m.

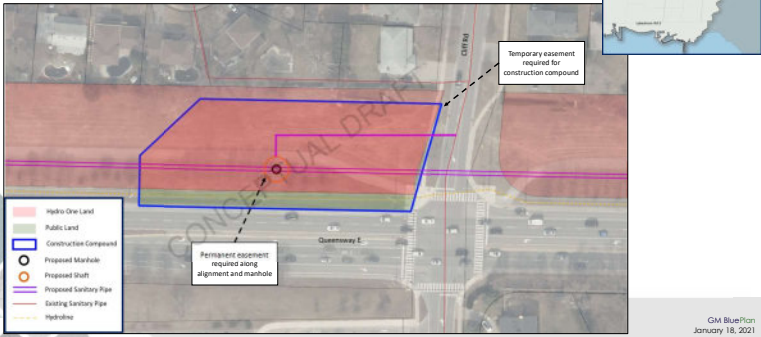


CONCEPTUAL SHAFT COMPOUNDS



Queensway and Cliff

- Portion of construction compound within Hydro One owned land.
- Permanent and temporary easements required for alignment and manhole.
- Pipe depth at proposed manhole ~ 10 m.



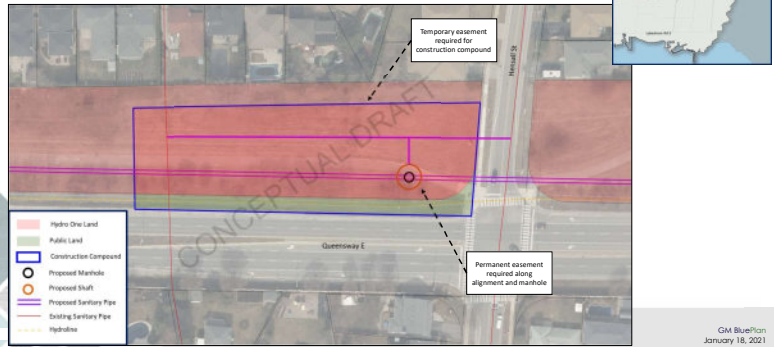
GM BluePlan
January 18, 2021

CONCEPTUAL SHAFT COMPOUNDS



Queensway and Hensall

- Portion of construction compound within Hydro One owned land.
- Permanent and temporary easements required for alignment and manhole.
- Pipe depth at proposed manhole ~ 10 m.



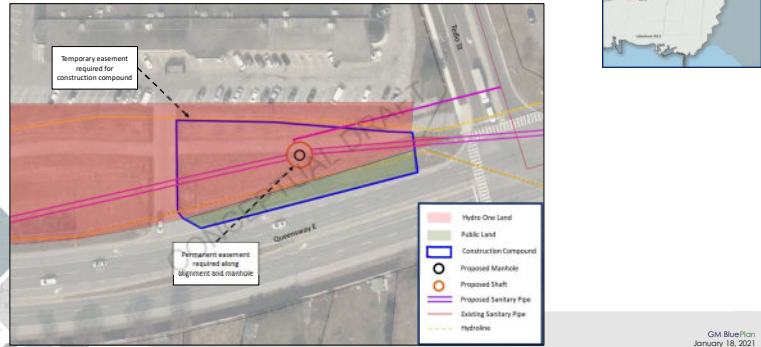
GM BluePlan
January 18, 2021

CONCEPTUAL SHAFT COMPOUNDS



Queensway and Tedlo

- Portion of construction compound within Hydro One owned land.
- Permanent and temporary easements required for alignment and manhole.
- Pipe depth at proposed manhole ~ 12 m.

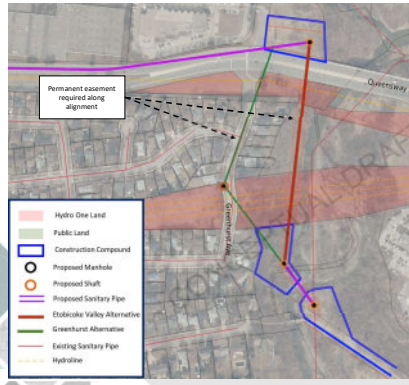


GM BluePlan
January 18, 2021

CONCEPTUAL SHAFT COMPOUNDS



Queensway and Etobicoke Creek



Alignment Alternatives:

- 1 – Etobicoke Valley**
 - No shaft within Hydro One lands
 - Crosses Hydro One lands/overhead power lines (below ground at min ~ 5m depth)
 - Anticipated crossing of hydro lines via tunnel construction methodology
- 2 – Greenhurst**
 - Assumed shaft within road ROW, adjacent to Hydro One lands
 - Shaft close to Hydro One overhead power lines & transmission tower
 - Crosses Hydro One lands/overhead power lines (below ground min ~ 15m depth)
 - Anticipated crossing of hydro lines via tunnel construction methodology

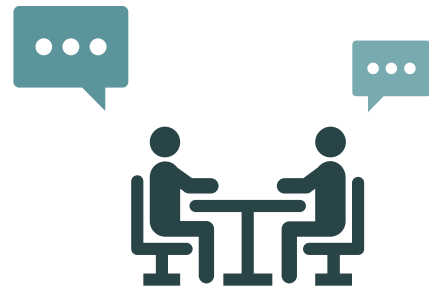
CLASS EA & APPROVAL PROCESS NEXT STEPS



- The following shaft sites will require temporary and permanent easements on Hydro One lands:
 - Queensway and Cooksville Creek/Camilla
 - Queensway and Cliff
 - Queensway and Hensall
 - Queensway and Tedlo
 - Queensway and Etobicoke Creek
- Class EA Stakeholder Input
 - Support in principle to preliminary preferred solution
- Permits & Approvals
 - What steps are required for implementation?
- Public Information Center #2 presents the preliminary preferred design concept
 - March 2021

GM BluePlan
January 18, 2021

HYDRO ONE FEEDBACK



GM BluePlan
January 18, 2021



Royal Centre 3300 Hwy 7 Suite 402
 Vaughan ON L4K 4M3
 P: 416.703.0667 F: 416.703.2501
 www.gmblueplan.ca

Meeting Minutes

Project:	Region of Peel Wastewater Capacity Improvements in Central Mississauga	Project No.: 718018												
Meeting:	Hydro One Consultation Meeting													
Date:	Monday, January 18, 2021	Time: 1:00 pm – 2:00 pm												
Location:	Microsoft Teams													
Attendees:	<table border="0"> <tr> <td><u>Hydro One</u></td> <td><u>Region of Peel (Region)</u></td> <td><u>GM BluePlan (GMBP)</u></td> </tr> <tr> <td>Matey Matev (MM)</td> <td>Justin Lee (JL)</td> <td>Chris Campbell (CC)</td> </tr> <tr> <td>Greg Gowan (GG)</td> <td>Laura Borowiec (LB)</td> <td>Mark Zamojc (MZ)</td> </tr> <tr> <td>Arnold Vidad (AV)</td> <td>Steven Oldford (SO)</td> <td>Sandra Anastasio (SA)</td> </tr> </table>		<u>Hydro One</u>	<u>Region of Peel (Region)</u>	<u>GM BluePlan (GMBP)</u>	Matey Matev (MM)	Justin Lee (JL)	Chris Campbell (CC)	Greg Gowan (GG)	Laura Borowiec (LB)	Mark Zamojc (MZ)	Arnold Vidad (AV)	Steven Oldford (SO)	Sandra Anastasio (SA)
<u>Hydro One</u>	<u>Region of Peel (Region)</u>	<u>GM BluePlan (GMBP)</u>												
Matey Matev (MM)	Justin Lee (JL)	Chris Campbell (CC)												
Greg Gowan (GG)	Laura Borowiec (LB)	Mark Zamojc (MZ)												
Arnold Vidad (AV)	Steven Oldford (SO)	Sandra Anastasio (SA)												

Item	Actions
<p>1. <u>Introductions & Meeting Objectives</u></p> <p>1.1 Greg Gowan, Hydro One Real Estate – Liaison for this Class EA study 1.2 Matey Matev, Hydro One Asset Optimization – Technical review and approval for installations 1.3 Arnold Vidad, Hydro One Asset Optimization, Planner 1.4 Justin Lee, Region of Peel Project Manager 1.5 Laura Borowiec, Region of Peel Project Advisor 1.6 Steven Oldford, Region of Peel Senior Capital Acquisition Agent, Real Estate 1.7 Chris Campbell, GM BluePlan Project Manager 1.8 Mark Zamojc, GM BluePlan Technical Lead 1.9 Sandra Anastasio, GM BluePlan Technical Support</p>	
<p>2. <u>Hydro One Land Impacts</u></p> <p>2.1 GMBP to update conceptual alignment and shaft compound mapping to differentiate between Alectra and Hydro One owned infrastructure. 2.2 For the property indicated as Hydro One owned, note that Infrastructure Ontario (IO) owns the land (provincially owned lands), however Hydro One manages the lands on behalf of IO.</p>	2.1 GMBP
<p>3. <u>Proposed Alignment & Conceptual Shaft Compound Review</u></p> <p>3.1 GMBP to submit the conceptual alignment and shaft compounds for Hydro One’s (Engineering Team) preliminary review to receive initial feedback (similar mapping to the maps presented in the meeting slides). 3.2 Submission to be sent to Greg Gowan to coordinate the internal review process. Hydro One Team will review against existing and planned Hydro infrastructure to identify constraints. This will inform the preparation of the preliminary design draws which will be submitted to Hydro One for further review.</p>	3.1 GMBP

<p>3.3 GMBP to update conceptual shaft compound mapping to include dimensions of shaft compounds and road ROW boundary.</p> <p>3.4 Hydro One land to the west of Stanfield currently does not have any transmission lines, however there may be Hydro One infrastructure planned for the future (Hydro One Team will review this during their preliminary review).</p> <p>3.5 Hydro One concerned with potential future transmission towers (location of foundation) which may conflict with proposed sewer alignment.</p> <p>3.6 Proposed connection points to local sewers will be completed using open cut construction methodology (not as deep as west to east proposed alignment).</p> <p>3.7 Proposed construction compounds may be larger than required (conservative at this stage)</p> <p>3.8 All proposed infrastructure is below ground, except potential flow control source/panel and potential vent piping (Hydro One preference for minimal above ground infrastructure).</p> <p>3.9 Hydro One recommends consultation with the City of Mississauga to discuss the temporary relocation of the multi-use trail along Queensway during construction (also on the location of the final manhole – currently being shown on the trail at some locations).</p> <p>3.10 Hydro One recommends consultation with Alectra on working near their infrastructure (e.g., passing under wires to enter construction site).</p> <p>3.11 Hydro One preference for Etobicoke Valley alignment alternative, however if Greenhurst alignment is chosen, project team will have to work closely with Hydro One for Health & Safety requirements (e.g. working close to transmission towers).</p>	<p>3.3 GMBP</p> <p>3.9 GMBP/ Region</p> <p>3.10 GMBP/ Region</p>
<p>4. <u>Approval Process & Next Steps</u></p> <p>4.1 Hydro One initial comments:</p> <p>4.1.1 In principle, temporary and long-term easements within Hydro One lands as per presented should be achievable subject not to impact existing and planned Hydro One infrastructure</p> <p>4.1.2 Hydro One will review and provide comment once package is received, (review of detailed design usually takes 8 to 10 weeks)</p> <p>4.2 The Region’s team hopes that Hydro One can provide expedited commentary on conceptual level drawings to support the Class EA Schedule recognizing that further detailed design draws will be prepared based on Hydro One’s feedback, that will be submitted to Hydro One for further review.</p> <p>4.2.1 Steven Oldford to further discuss costing with Greg Gowan</p> <p>4.3 Construction phasing is estimated to begin in 2024/2025 at the earliest (GMBP/Region have not finalized the implementation plan).</p>	<p>4.2.1 SO</p>

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Friday, February 05, 2021 3:32 PM
To: greg.gowan@hydroone.com
Cc: Jennifer.Trotman@hydroone.com; Arnold.Vidad@HydroOne.com; Matey.MATEV@HydroOne.com; Lee, Justin; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; Oldford, Steven; Mark Zamojc (mark.zamojc@gmblueplan.ca); Chris Campbell - GM BluePlan
Subject: Region of Peel Central Miss EA - Hydro One Consultation

Hi Greg,

Please find in the link below the meeting package from our call on January 18th for the Region of Peel Wastewater Capacity Improvements in Central Mississauga EA Study.

The following link will be available for the next 21 days: https://sendafile.gmblueplan.ca/public_uploads/2021-02-05_203019_210118-PKG-Hydro_One_Consultation_Meeting.pdf

Let me know if you have any questions.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, February 22, 2021 10:47 AM
To: greg.gowan@hydroone.com
Cc: Justin.Lee@peelregion.ca; Chris Campbell - GM BluePlan
Subject: RE: Region of Peel Central Miss EA - Preliminary Review Package

Hi Greg,

Thank you. We will process the payment for the review.

I have included a link below to the updated PDF with the requested measurements.
https://sendafile.gmblueplan.ca/public_uploads/2021-02-22_154347_2021-02-22_Hydro_One_Preliminary_Review_Submission_Updated_Draft.pdf

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



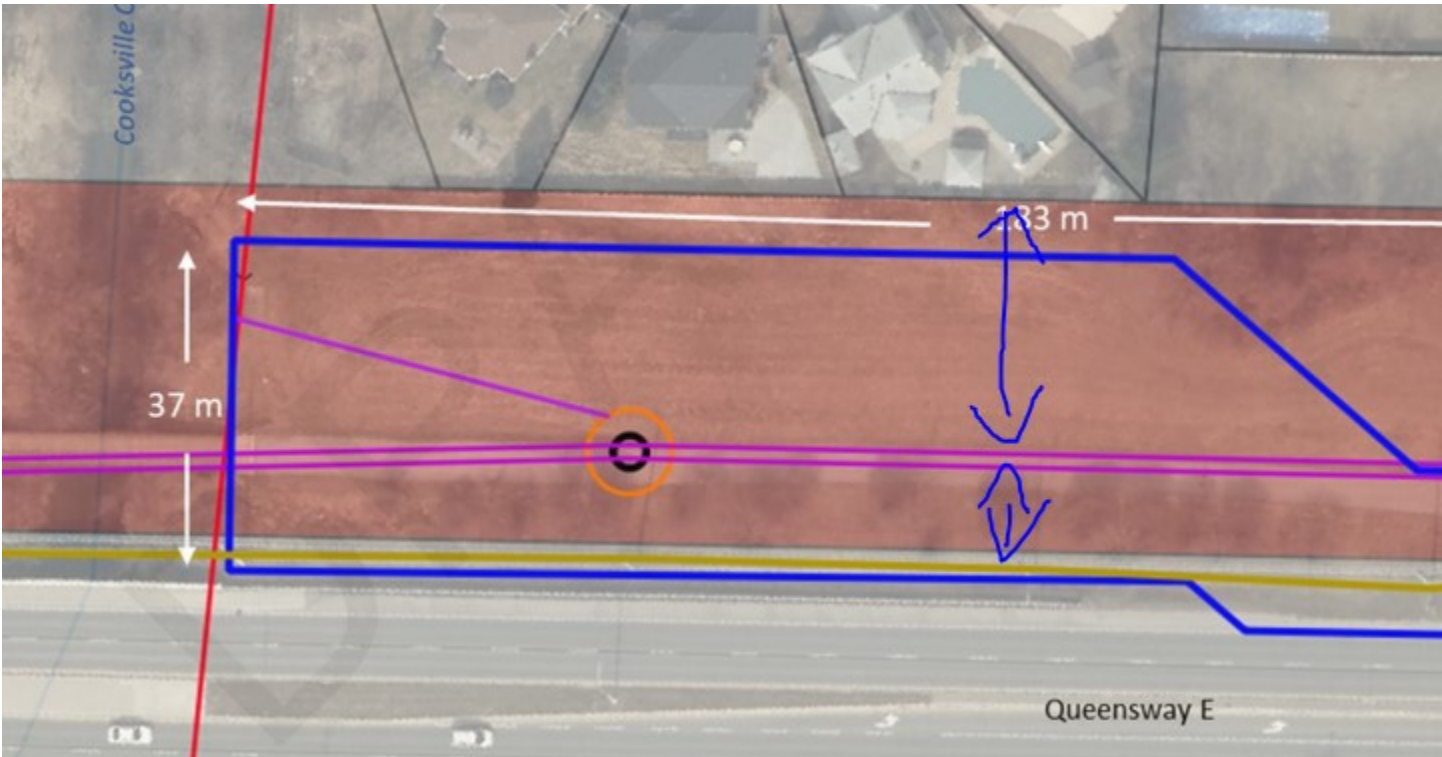
From: greg.gowan@hydroone.com <greg.gowan@hydroone.com>
Sent: Friday, February 19, 2021 3:52 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Justin.Lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Region of Peel Central Miss EA - Preliminary Review Package

Hi Sandra,

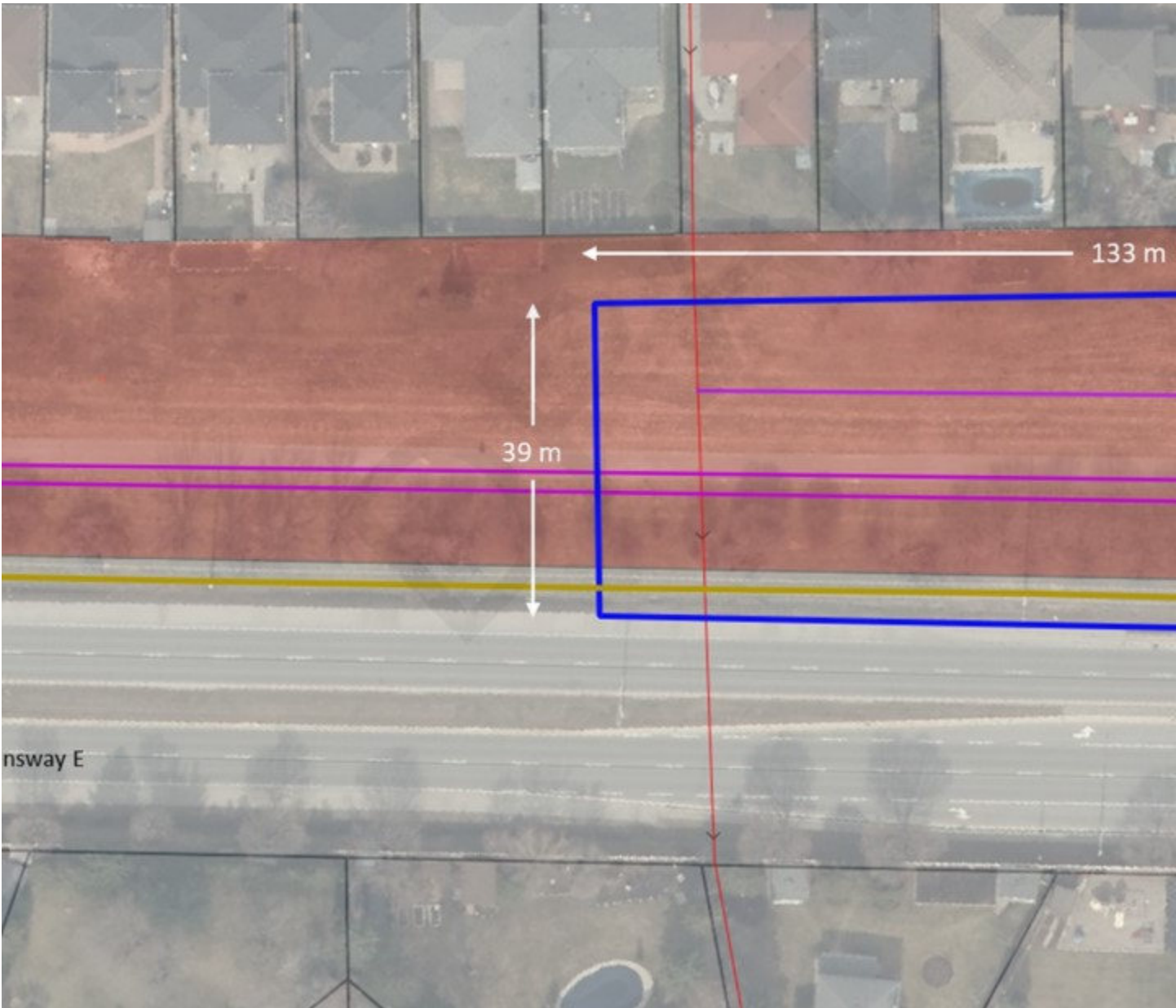
Thanks for providing. I think generally we have no major concerns with the design, but if I can recall from the last meeting we requested to see measurements from your proposed pipe to the north/south boundaries of our corridor. We'll need an idea of measurements so we can ensure we have sufficient room to install our future towers. I've provided some screen shot examples below.

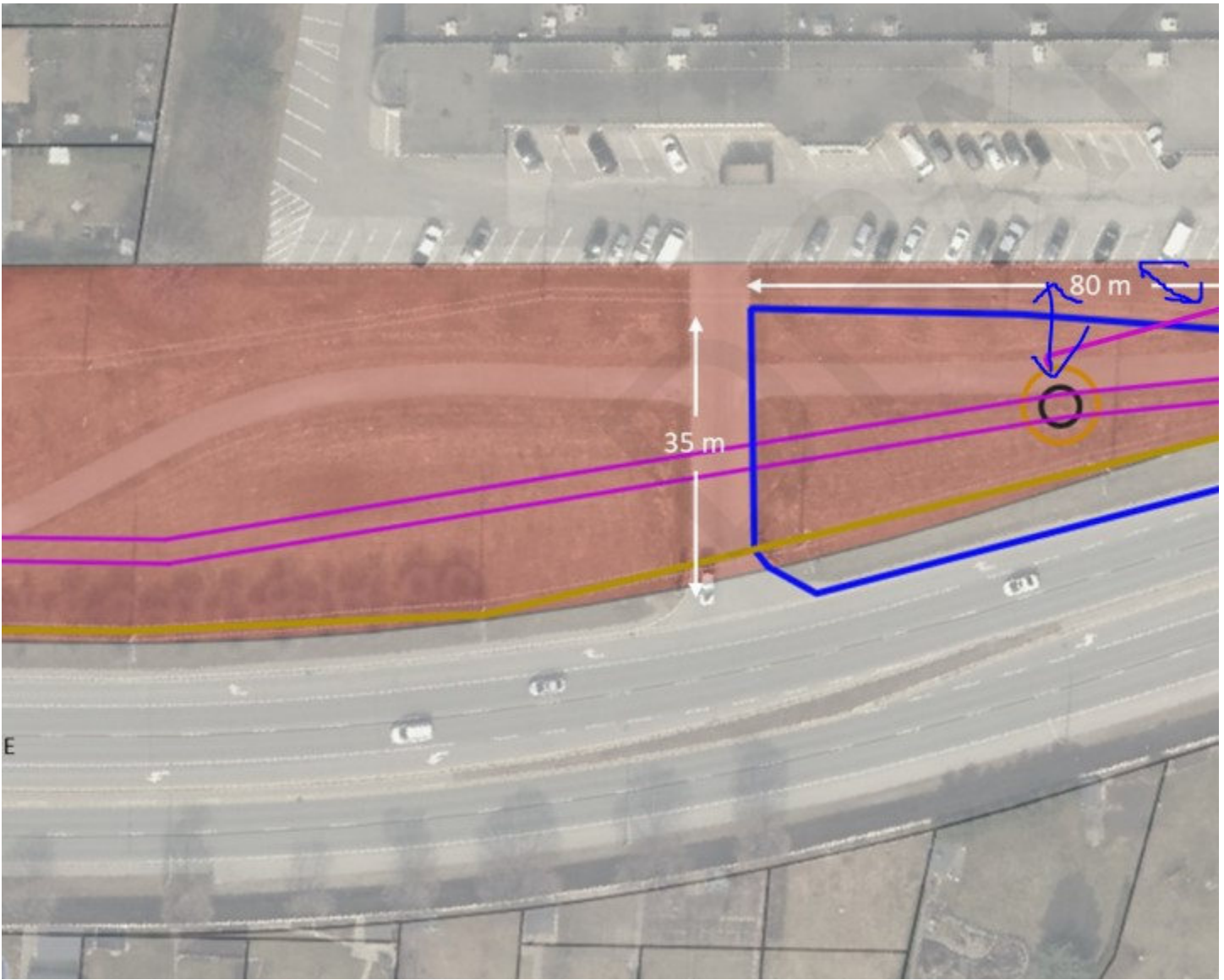
Furthermore, I'll require a \$1,500 + HST Engineering Review Fee submitted to Hydro One following the attached instructions to circulate the concept plans to provide comments back.

Thanks,









Greg Gowan
(416) 527-3487

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Friday, February 12, 2021 1:44 PM
To: GOWAN Greg <greg.gowan@hydroone.com>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: Region of Peel Central Miss EA - Preliminary Review Package

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Hi Greg,

I have provided a link below which includes our submission package for Hydro One's preliminary review of the conceptual alignment and shaft locations for the Region of Peel Wastewater Capacity Improvements in Central Mississauga EA.

<https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=https%3a%2f%2fsendafile.gmblueplan.ca%2fpublic%5fuploads%2f2021%2d02%2d12%5f184130%5f2021%2d02%2d12%5fRegion%5fof%5fPeel%5fCentral%5fMiss%5fEA%5f%2d%5fHydro%5fOne%5fPreliminary%5fReview.pdf&umid=DDC481A3-BB28-0605-96AC-1FAB8BD19AC2&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-f97067e03221cc23093d342ca39919fdebe84ac0>

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=DDC481A3-BB28-0605-96AC-1FAB8BD19AC2&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-498a4845628bb2e54edff63e5824bdc88b758935>



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This email and any attached files are privileged and may contain confidential information intended only for the person or persons named above. Any other distribution, reproduction, copying, disclosure, or other dissemination is strictly prohibited. If you have received this email in error, please notify the sender immediately by reply email and delete the transmission received by you. This statement applies to the initial email as well as any and all copies (replies and/or forwards) of the initial email



February 5, 2021

Our File: 718018

Mr. Greg Gowan
HydroOne Networks
483 Bay Street, North Tower, 15th Floor
Toronto, Ontario M5G 2P5

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

Dear Mr. Greg Gowan,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

Through a detailed evaluation, the project team has identified the preliminary preferred conceptual design concept for the proposed sewer alignments and tunnel shaft locations. The preliminary preferred conceptual design includes a proposed sewer alignment along Queensway Street East, from Hurontario Street to Etobicoke Creek. The depth of the proposed Queensway sewer alignment will require tunneled construction for the trunk sewer. The only surface works anticipated during construction are the tunnel entrance, exit and connection shafts and local sewer connections. Once the tunneling has been completed, the main staging areas will be returned to their original condition with a smaller area required for the manhole/chambers. The preliminary proposed works are indicated in the attached mapping.

We understand that Hydro One owns assets and manages land along Queensway Street East corridor. For the proposed alignment and shaft locations that fall within Hydro One lands, the Region of Peel would require both temporary (e.g. construction compound) and long term (e.g., along sewer alignments and manholes for access and maintenance) easements. As discussed during the project's consultation meeting with Hydro One team on January 18, 2020, we would like to request preliminary feedback for the conceptual design to identify any potential current or future Hydro One infrastructure conflicts to support our evaluation before presenting our preliminary strategy to the public at the end of March 2021.

The Region's team hopes that Hydro One can provide expedited commentary on conceptual level drawings to support the Class EA Schedule recognizing that further detailed design draws will be prepared based on Hydro One's feedback, that will be submitted to Hydro One for further review.

Furthermore, if any infrastructure conflicts with planned transmission towers along the Queensway corridor, we would like to request any next steps you can provide at this stage. Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell'.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Justin Lee, Project Manager, Region of Peel
encl. Attachment 1: Preliminary Preferred Alignment and Tunnel Shaft Conceptual Design Plan and Profile

Hydro One Secondary Land Use Technical Review Requirements and Completeness Checklist

This form must be completed and submitted to the appropriate Hydro One Real Estate Coordinator for all secondary land use proposals.

Each of the requirements below must be included in the submission (where applicable). If any of the items below is not checked the submitted plans will not be circulated for technical review, unless a valid reason is provided in the “Notes” column.

SLU Proposal Details		
Applicant Name:		
Mailing Address:	Phone Number(s):	
	Email:	
Property Location (Address/Intersection):		
Description of Secondary Land Use:		
Plan/Drawings Number and Dates:		
Drawing/Plan Completeness Checklist		
		Notes
<i>Drawings, Plans and Maps Requirements</i>		
	Cover letter providing detailed description of the project	
	A key map showing the Proponent’s overall project area	
	Plan-view drawing(s) (see specific requirements below)	
	Profile/sectional-view drawing(s) (see specific requirements below)	
<i>Plan-View Drawing Requirements</i>		
	All existing and proposed works/infrastructure on the transmission corridor shown and clearly labeled	
	Hydro One transmission corridor boundaries shown in colour	
	All transmission structures affected by the proposal shown and clearly labeled	
	6 m access route through the corridor shown in colour	

	15 m maintenance exclusion zones around each affected tower (measured from the face of the tower legs) shown in colour	
	10 m construction exclusion zones around each affected tower (measured from the face of the tower legs) shown in colour	
	Distances between the tower legs and any proposed works/infrastructure on the corridor shown and clearly labeled	
	Cross-sections clearly labeled	
	Legend(s)	
	For resubmissions, any changes from previous submissions are clearly marked/labeled	

Profile/Sectional-view Drawing Requirements

	Existing and proposed elevations shown in different colours and clearly labeled	
	Any proposed works/infrastructure clearly labeled	
	All applicable heights clearly shown and clearly labeled	
	Hydro One transmission corridor boundaries shown in colour	
	All transmission structures affected by the proposal shown and clearly labeled	
	Distances between affected transmission structures and any proposed works/infrastructure shown and clearly labeled	
	10 m and 15 m exclusion zones from each transmission tower leg shown in colour	
	Legend(s)	

SECONDARY LAND USE PROPOSAL SUBMISSION REQUIREMENTS IN AND AROUND HYDRO ONE TRANSMISSION CORRIDORS

Hydro One strives to work with proponents to review secondary land use proposals on the ROWs to ensure they are compatible with the safety and maintenance requirements of its high-voltage equipment. The Hydro One transmission network can consist of steel lattice towers, monopoles, twin wood poles, overhead conductors and underground cable ducts. Our transmission lines conduct electricity at 115kV, 230kV or 500kV.

Technical reviews for each proposal must be completed by Hydro One. These reviews may require several weeks or months to complete depending on the complexity of the proposal. Currently our turnaround time is about 12 – 16 weeks. Resubmissions may require the same timelines. Hydro One technical reviews must be approved and occupation agreements in place prior to any construction work. Detailed drawings that need to be submitted include: site plan, grading, drainage, lighting, landscaping, signage (including any other above grade structures) and profiles for underground works. Additional drawings may be requested but please do not send them to us unless we have asked for them.

To effectively review and provide comments, your proposal must include the following information:

- **LAND/EASEMENT PROPERTY LINES:** On the site plans indicate and label property lines of the Hydro One right-of-way in RED. Label the ROW as Hydro One Transmission (not Open Space).
- **HYDRO ONE STRUCTURES:** Illustrate and label all Hydro One structures and the overhead centreline of the towers. The Real Estate Coordinator can provide Hydro One structure numbers.
- **GRADES and DRAINAGE:** Indicate existing and proposed grades. Grading changes must not result in standing water anywhere along the corridor, and especially not within 15 metre radial zone of transmission structures.
- **MAINTENANCE ACCESS ROUTE:** Indicate and label a 6 metre wide Hydro One maintenance access route to each Hydro One structure.
- **MAINTENANCE ZONE and CONSTRUCTION EXCLUSION ZONE:** Indicate and label a 15 metre radial maintenance work zone and a 10.0 metre radial construction exclusion zone around each Hydro One structure measured from the tower footings. If any proposed infrastructure is contemplated within this 15 metre zone, the distance from the edge of the proposed infrastructure to the edge of the nearest tower footing must be shown.
- **LIGHTING:** Keep lighting as far away from our circuits as possible, toward the outer edge of the corridor. The locations and the height of each light post must be clearly illustrated and described.
- **LANDSCAPING:** Plantings which grow to a maturity height over 3 metres are not permitted on the ROW. Hydro One has a *Compatible Species List* which can be provided.
- **RESUBMITTED DRAWINGS:** If a resubmission of drawings is required, the revised drawings must include “bubbles” over the areas where changes were made to help us identify the areas that need to be reviewed.

Contact Hydro One Real Estate Services at 1.888.231.6657 for the Real Estate Coordinator for your municipality. The Real Estate Coordinator arranges for Hydro One review of your proposal, advises of documentation and prepares the Agreements.

TECHNICAL CONSIDERATIONS FOR SECONDARY LAND USE PROPOSALS ON HYDRO ONE TRANSMISSION CORRIDORS

Your project may involve proposed works on Hydro One electrical transmission corridors or rights-of-way (ROW). Hydro One will work with proponents to review secondary land use proposals on the ROWs to ensure that they are compatible with the safety and maintenance requirements of its high-voltage equipment. The Hydro One transmission network can consist of steel lattice towers, monopoles, twin wood poles, overhead and underground conductors, etc.

When preparing a proposal, there are a number of technical considerations that should be kept in mind. A number of these are outlined below. Please note that this is not intended to be a comprehensive list of requirements, but aims to serve as a guideline to prepare a proposal. Reviews for each proposal are conducted individually by Hydro One and may require several weeks or months to complete depending on the complexity of the proposal.

Technical Considerations:

Grading, Drainage and Stormwater Management

- Grading changes must not result in standing water anywhere along the corridor, and especially not within the 15 metre radial zone of transmission structures.
- No fill material may be placed on the ROW without written approval from Hydro One.
- Catch basins that are not positioned within a paved roadway are not permitted.
- Stormwater management (SWM) ponds placed under 115 and 230 kV transmission lines cannot exceed two-thirds of the corridor width.
- SWM ponds under 500 kV transmission lines cannot exceed one-third of the corridor width.
- SWM ponds must be designed to withstand the effects of 100-year storm conditions.

Roads and Parking

- Roads crossing the ROW should be perpendicular to the hydro corridor.
- Roads off ROW should stay 15 metre clear of transmission structures.
- Curb cuts or access gates should be provided for Hydro One maintenance vehicles.
- Parking facilities on 115 kV and 230 kV ROWs should be restricted to passenger vehicles only. Large truck and trailer parking is generally not permitted.
- Parking facilities are generally not permitted under 500 kV ROWs.
- Transmission towers near roads and parking areas must be protected by standard highway barriers.

Vertical Clearances

- Transmission conductors (wires) are dynamic in nature. They can sag lower to the ground depending on parameters such as ambient temperature and operating conditions.
- Minimum vertical clearances must be maintained from the maximum design sag levels of the conductors (worst-case scenario). Hydro One will review these clearances as they are case-specific and not immediately apparent by observation alone.

Access to Structures

- An unhindered, minimum 6-metre wide access path to facilities on the corridor must be provided for maintenance vehicles.
- A 15 metre clear working radius around transmission structures is required in order to maintain access for vehicles carrying out routine maintenance.
- A 3 metre radius around each tower footing must be left unpaved for access to the footing.

Pipelines & Underground Facilities

- All underground facilities must be designed to withstand the loading conditions created by heavy maintenance vehicles that may be used by Hydro One.
- The ROW must be restored to pre-construction condition once the project is completed.
- Excavation using heavy machinery is prohibited within 10 metres of tower footings to protect foundations. Within 10 metres, excavation must be carried out by hand or by use of a VAC system.
- Pipelines on ROWs must adhere to the provisions of CSA Standard C22.3 No. 6.

Landscape Plantings

- Plantings which grow to a maturity height over 3 metres are not permitted on the ROW. Hydro One has a 'Compatible Species List' which will be provided as applicable. It must be noted that plantings should not be planted in such a way as to impede access to the transmission towers. An area of 15 metres around transmission towers should be kept clear of shrubs to permit Hydro One access to towers.

Other Requirements

- Buildings and permanent structures are not permitted on corridor lands.
- Flammable or hazardous materials may not be stored on ROWs.
- Consideration should be given to minimizing the use of conductive (metallic) material where alternatives exist (e.g. fences).
- The proponent is responsible for all costs of modifying, relocating, or monitoring Hydro One assets as a result of the proposal.
- Grounding studies, induction studies, spark discharge and / or step touch potential studies may be required to confirm that the proposal will not conflict with the Hydro One electrical infrastructure. .

Property Rights: Who is the landowner?

- Transmission corridor lands can be owned by private landowners, Municipalities, Province of Ontario (Infrastructure Ontario), railway companies, and First Nations and Métis communities.
- Hydro One Networks Inc. owns the transmission components/network.
- Hydro One Networks Inc. has rights either registered on land title or by legislation to operate the transmission network.

Property Rights: What Agreements do you require?

Contact Hydro One Real Estate Services at 1.888.231.6657 for the Real Estate Coordinator for your municipality. The Real Estate Coordinator arranges for Hydro One review of your proposal, advises of documentation and prepares the Agreements.

Wastewater Capacity Improvements for Central Mississauga

Schedule 'C' Municipal Class EA

Hydro One Preliminary Review of Conceptual Design

February 12, 2021






The following plan and profiles are based on the conceptual design of the proposed wastewater sewer alignment and construction compounds developed through the Class Environmental Assessment Process.

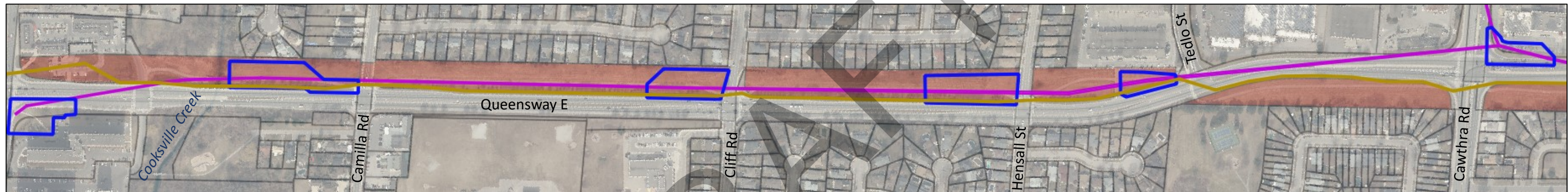
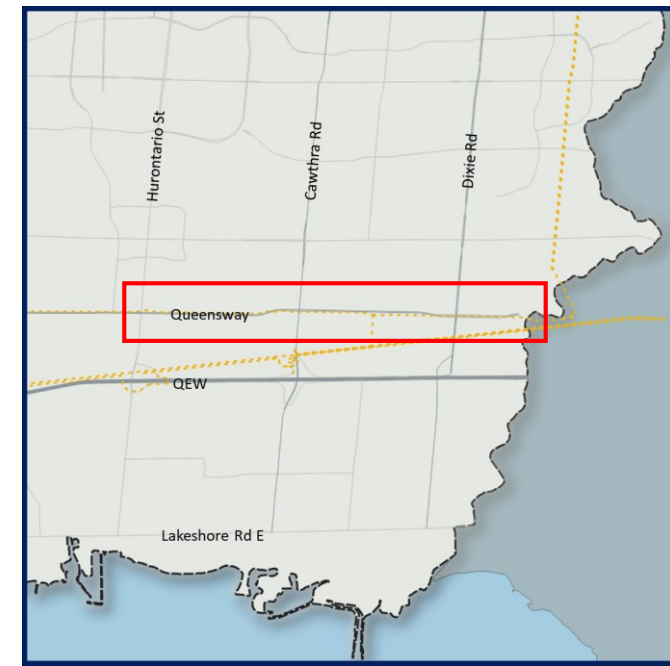
The proposed wastewater sewer alignment and construction compounds are conceptual and still under review and will be further refined through the preliminary design stage.

The Region of Peel and GM BluePlan are requesting a preliminary review of the following conceptual design to determine if there are any Hydro One land/infrastructure conflicts to address before moving to the next stage of the design process.

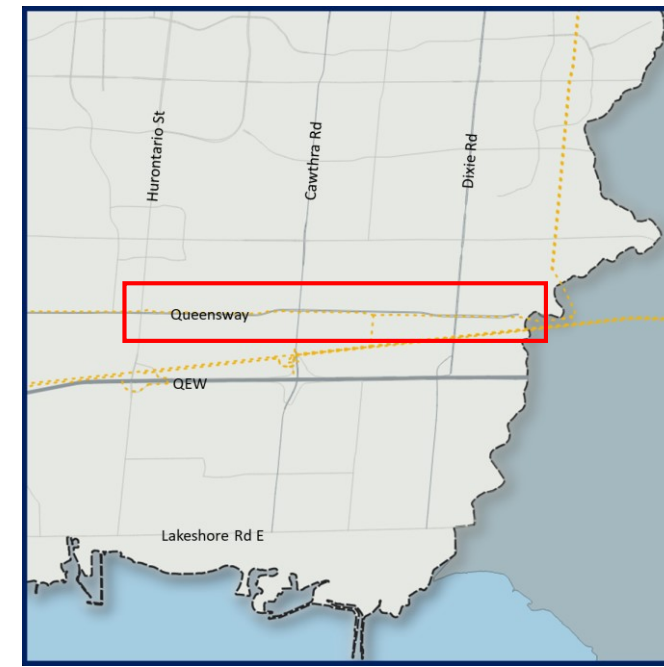
DRAFT

Key Map of Overall Project Area

-  Construction Compound
-  Hydro One / IO Owned Land
-  Proposed Sewer Alignment
-  Hydro One Overhead Power Lines
-  Alectra Overhead Power Lines

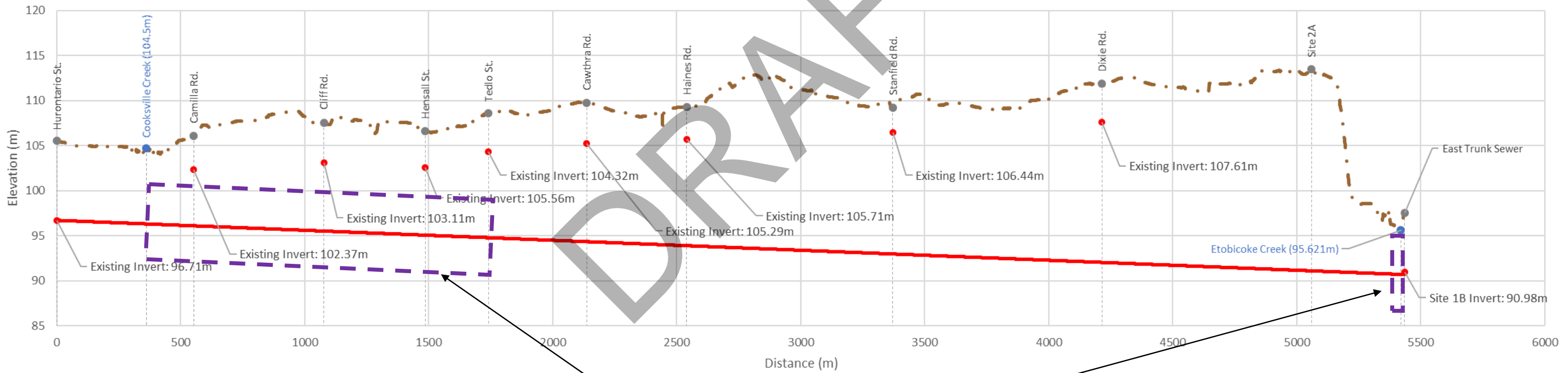


Alignment Profile



Queensway East

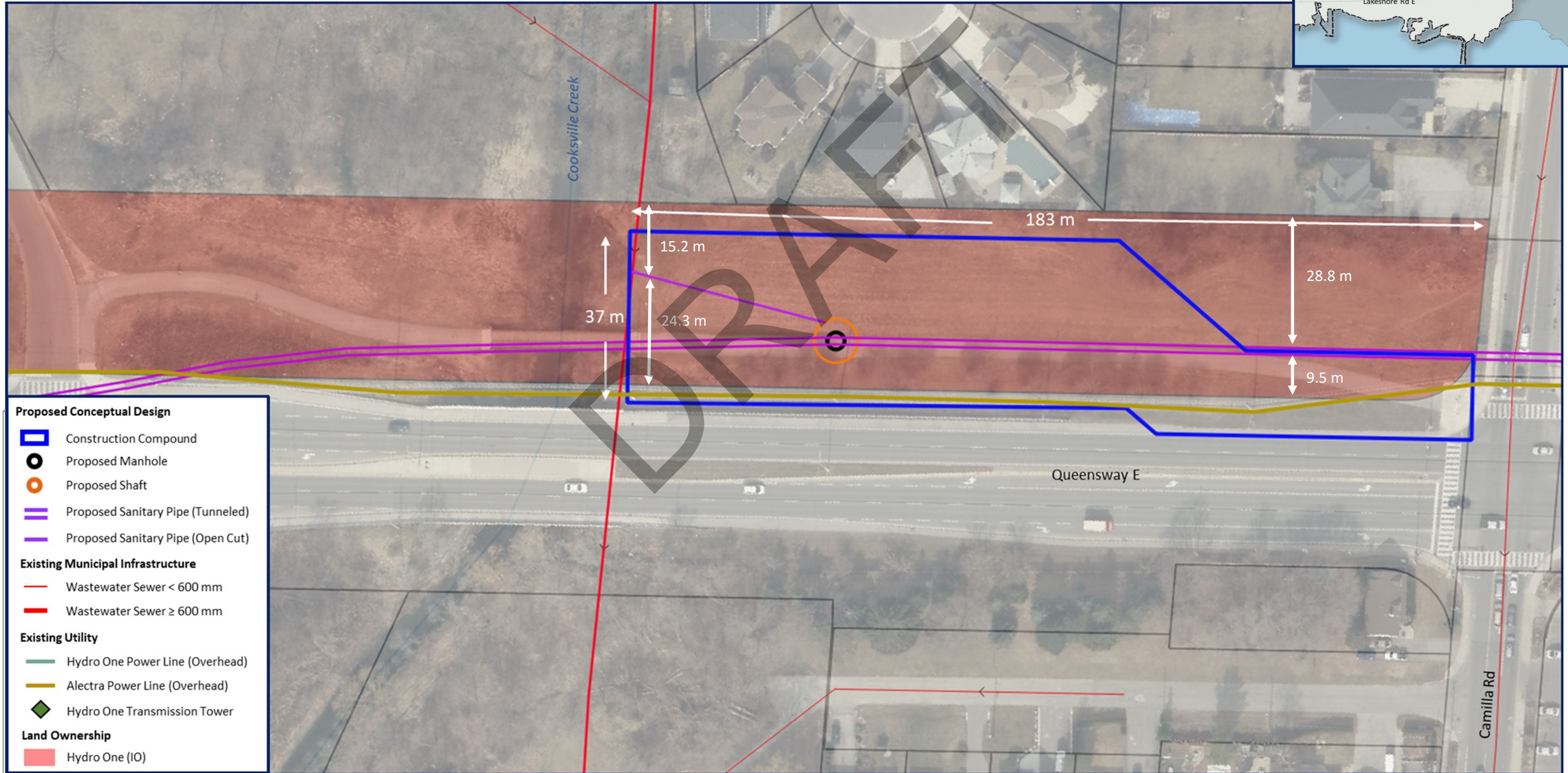
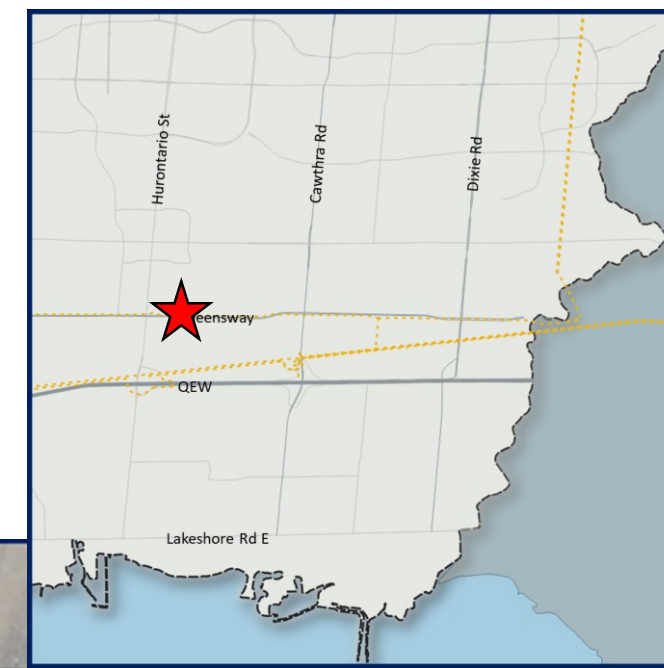
Queensway Sewer (Hurontario - East Trunk) 2A to 1B



Hydro One Land Crossing

Queensway and Cooksville Creek/Camilla - Plan

- The following easements will be required:
 - Temporary easement for the construction compound (conceptual design to be further refined)
 - Permanent easement for the alignment and manhole



Proposed Conceptual Design

- Construction Compound
- Proposed Manhole
- Proposed Shaft
- Proposed Sanitary Pipe (Tunneled)
- Proposed Sanitary Pipe (Open Cut)

Existing Municipal Infrastructure

- Wastewater Sewer < 600 mm
- Wastewater Sewer ≥ 600 mm

Existing Utility

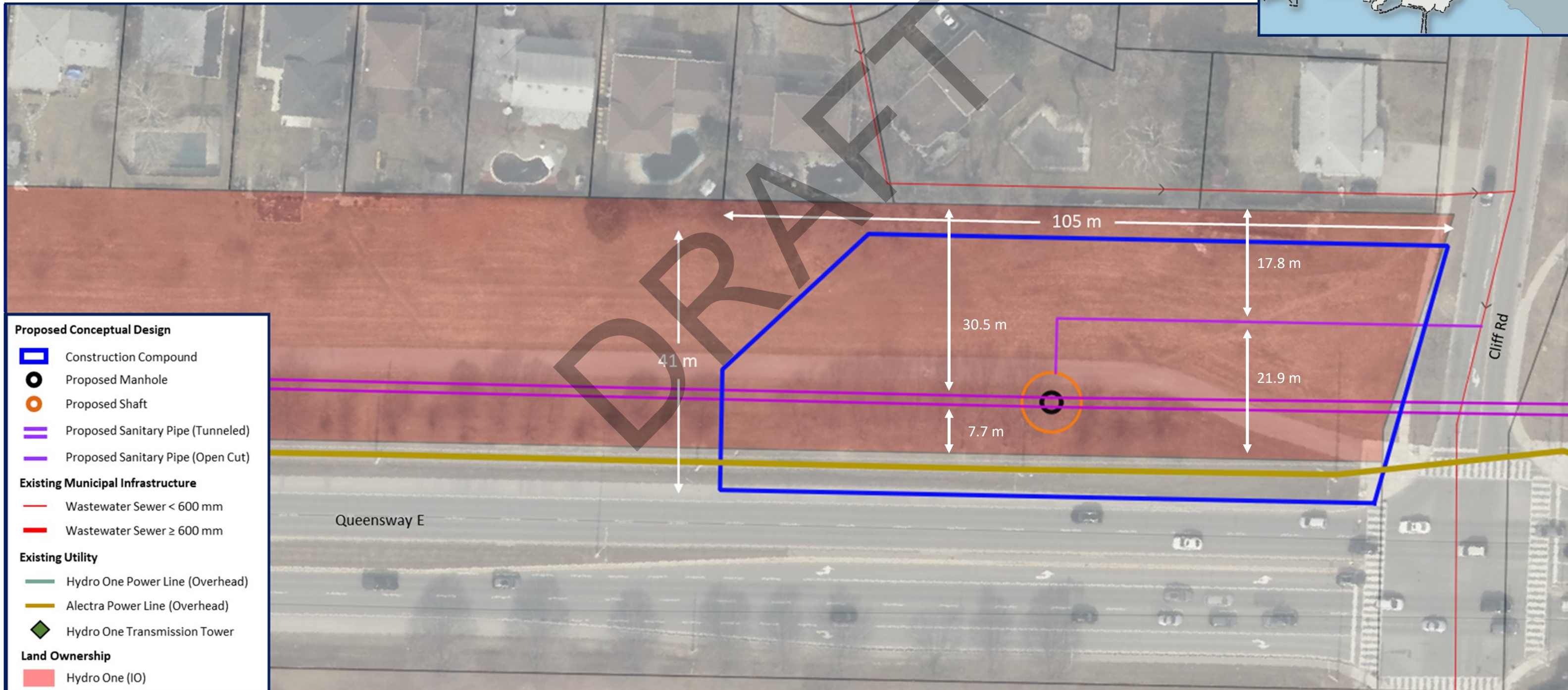
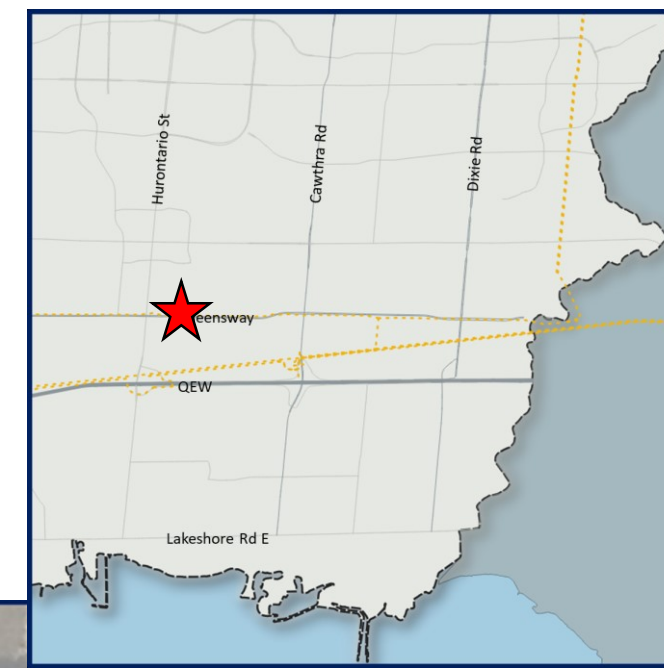
- Hydro One Power Line (Overhead)
- Alectra Power Line (Overhead)
- Hydro One Transmission Tower

Land Ownership

- Hydro One (IO)

Queensway and Cliff - Plan

- The following easements will be required:
 - Temporary easement for the construction compound (conceptual design to be further refined)
 - Permanent easement for the alignment and manhole



Proposed Conceptual Design

- Construction Compound
- Proposed Manhole
- Proposed Shaft
- Proposed Sanitary Pipe (Tunneled)
- Proposed Sanitary Pipe (Open Cut)

Existing Municipal Infrastructure

- Wastewater Sewer < 600 mm
- Wastewater Sewer ≥ 600 mm

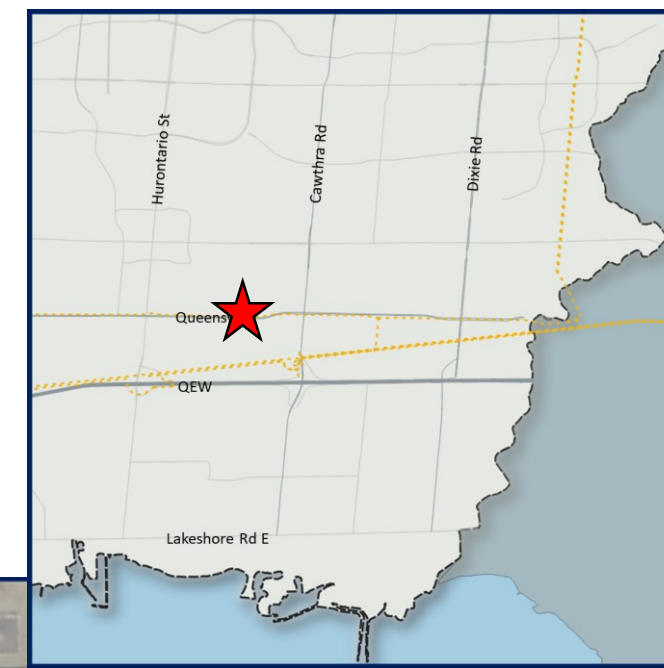
Existing Utility

- Hydro One Power Line (Overhead)
- Alectra Power Line (Overhead)
- Hydro One Transmission Tower

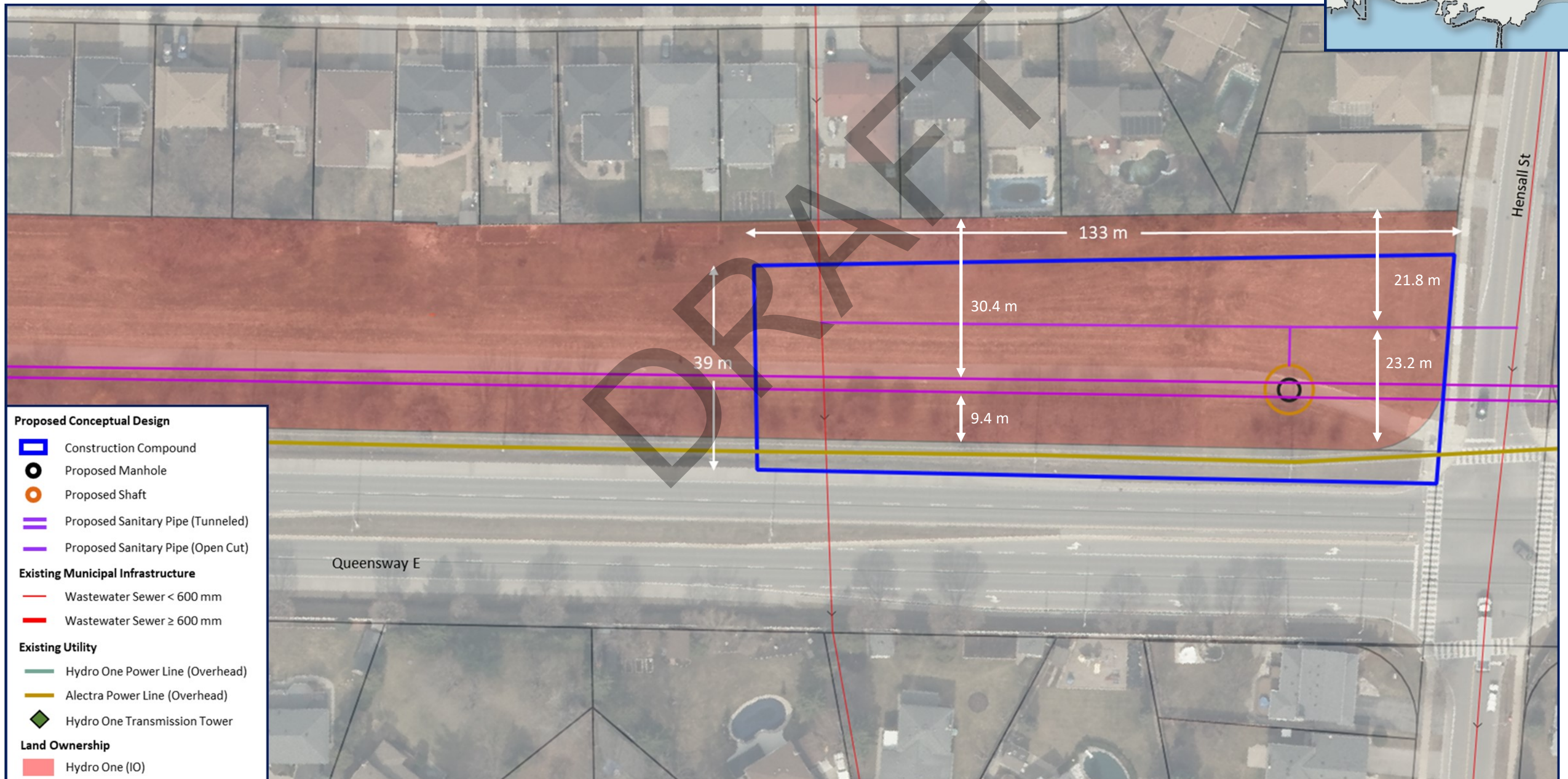
Land Ownership

- Hydro One (IO)

Queensway and Hensall - Plan

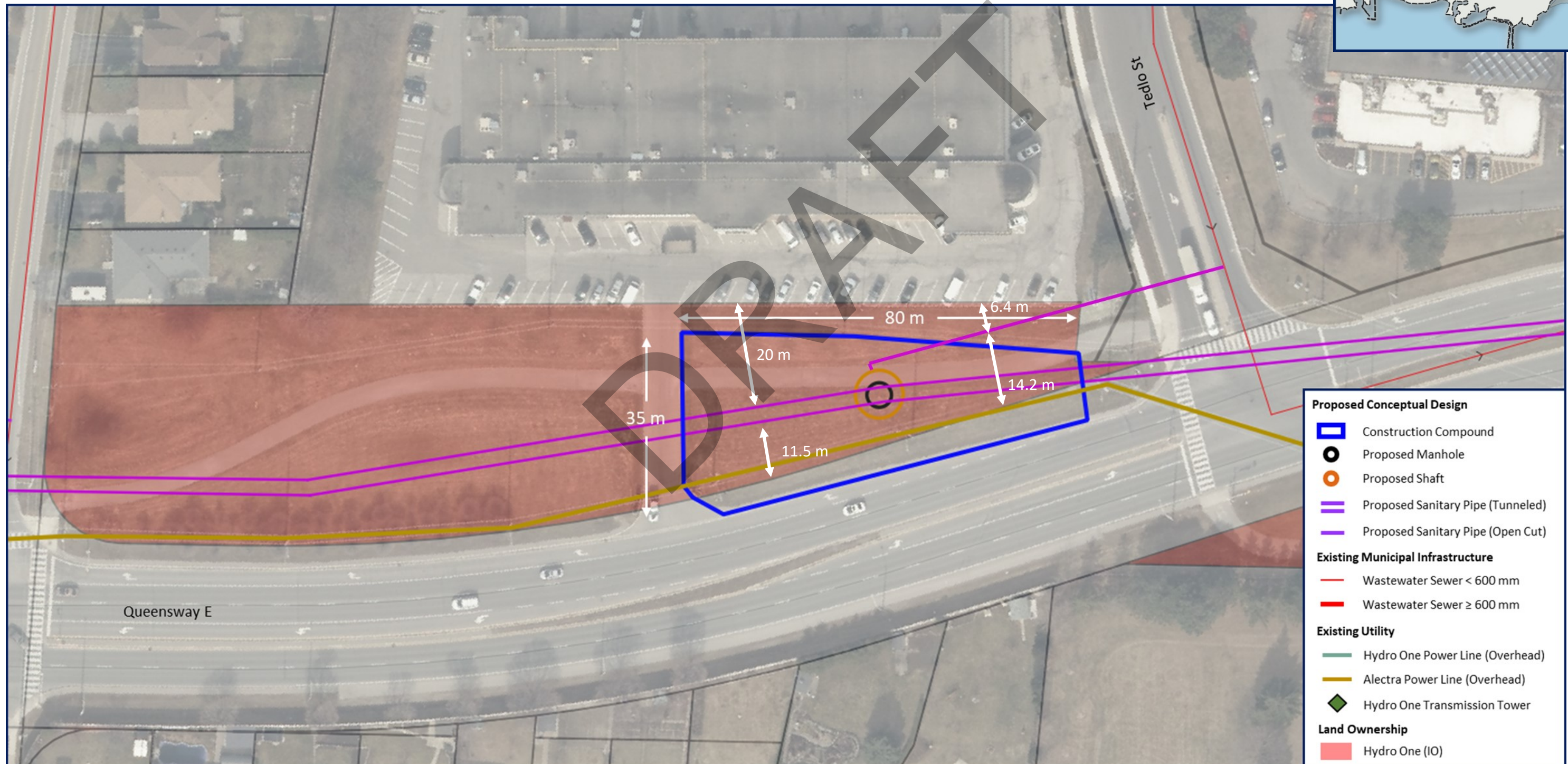
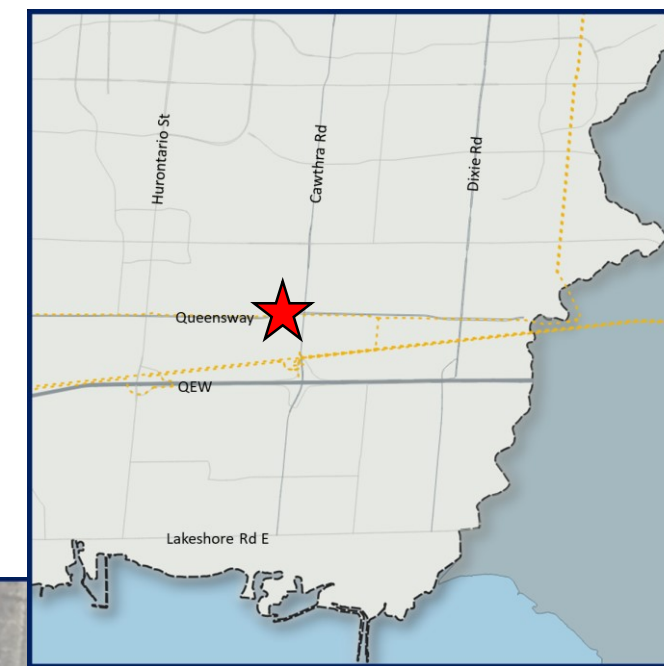


- The following easements will be required:
 - Temporary easement for the construction compound (conceptual design to be further refined)
 - Permanent easement for the alignment and manhole



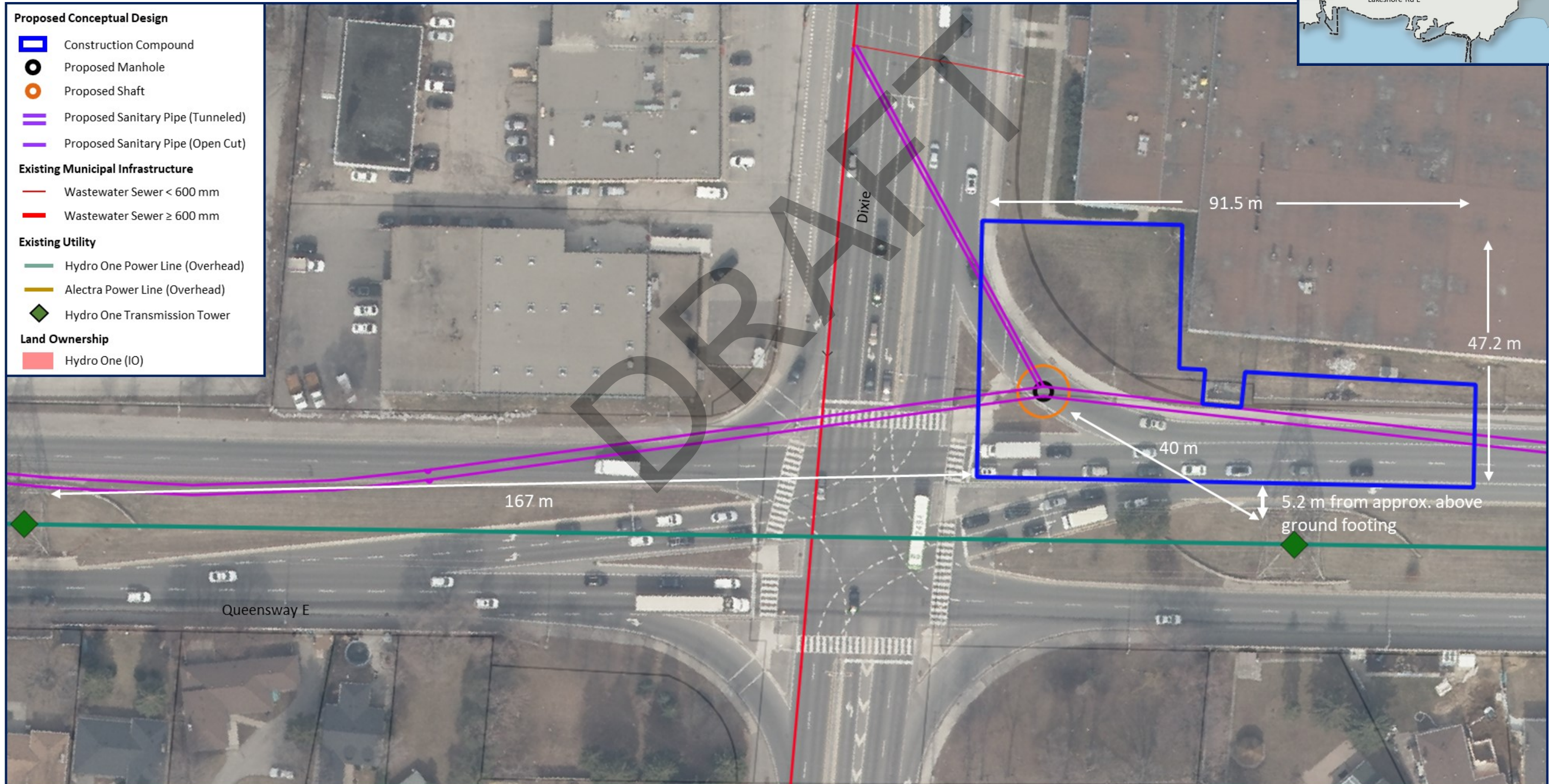
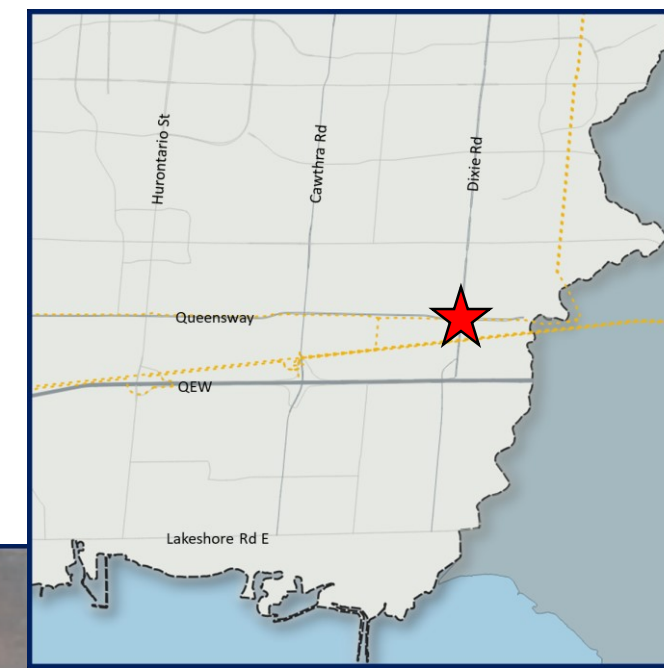
Queensway and Tedlo - Plan

- The following easements will be required:
 - Temporary easement for the construction compound (conceptual design to be further refined)
 - Permanent easement for the alignment and manhole



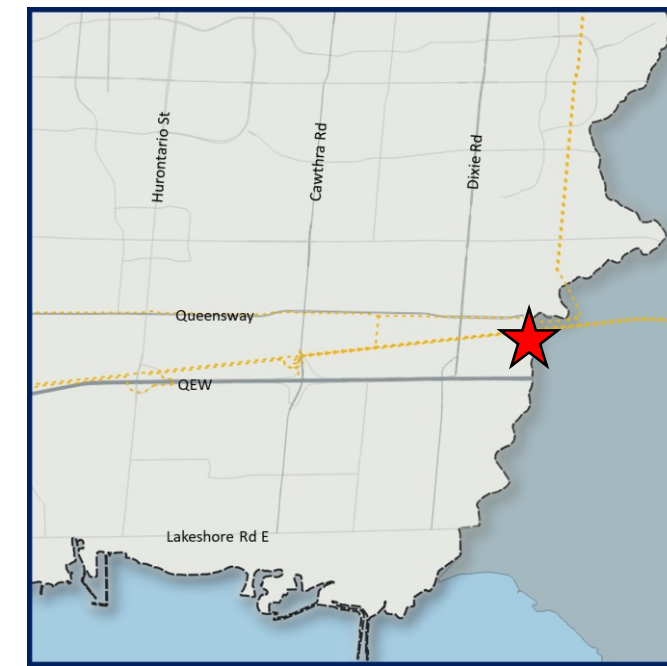
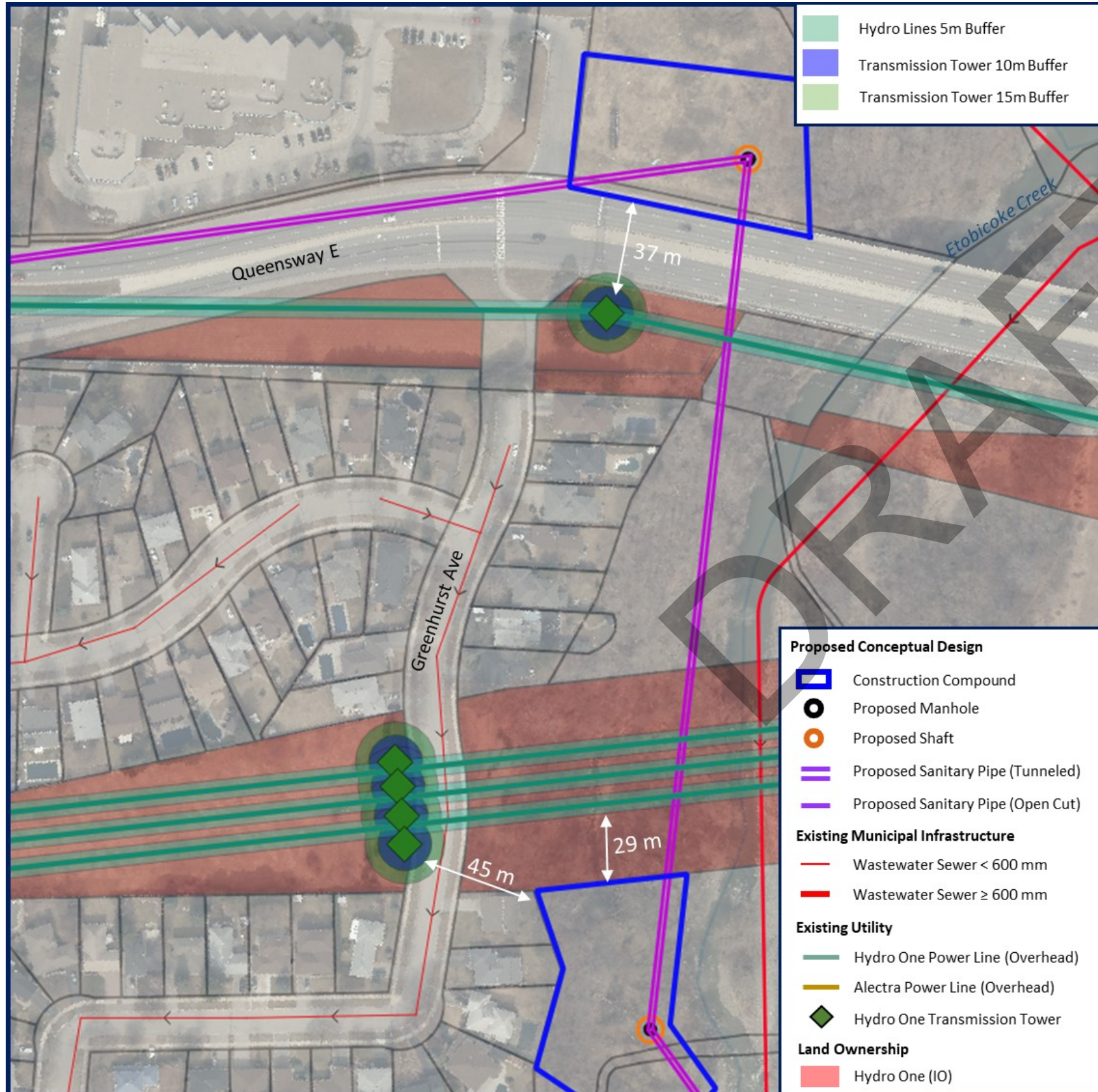
Queensway and Dixie - Plan

- Construction compound and alignment not located on Hydro One/IO lands

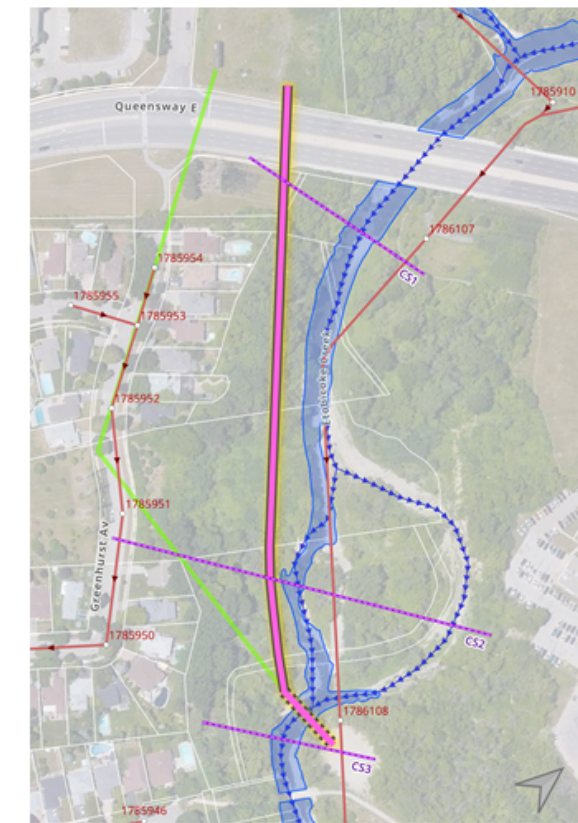
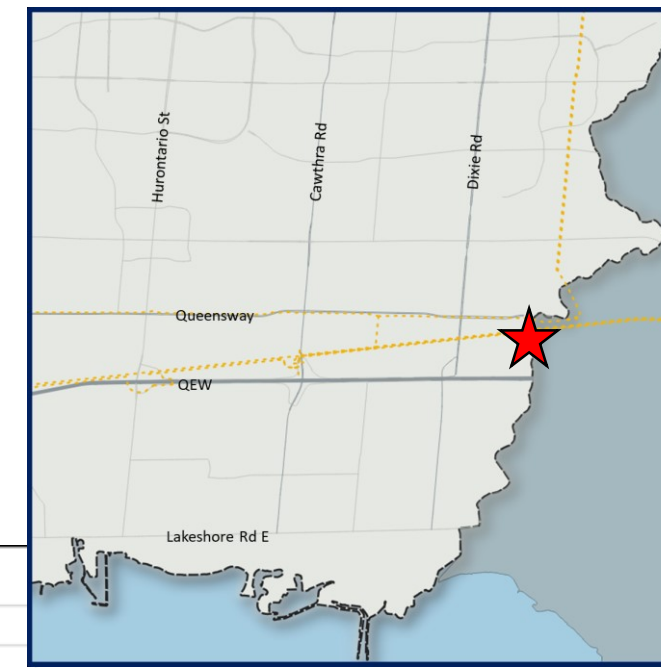


Queensway and Etobicoke Creek Preliminary Preferred – Plan

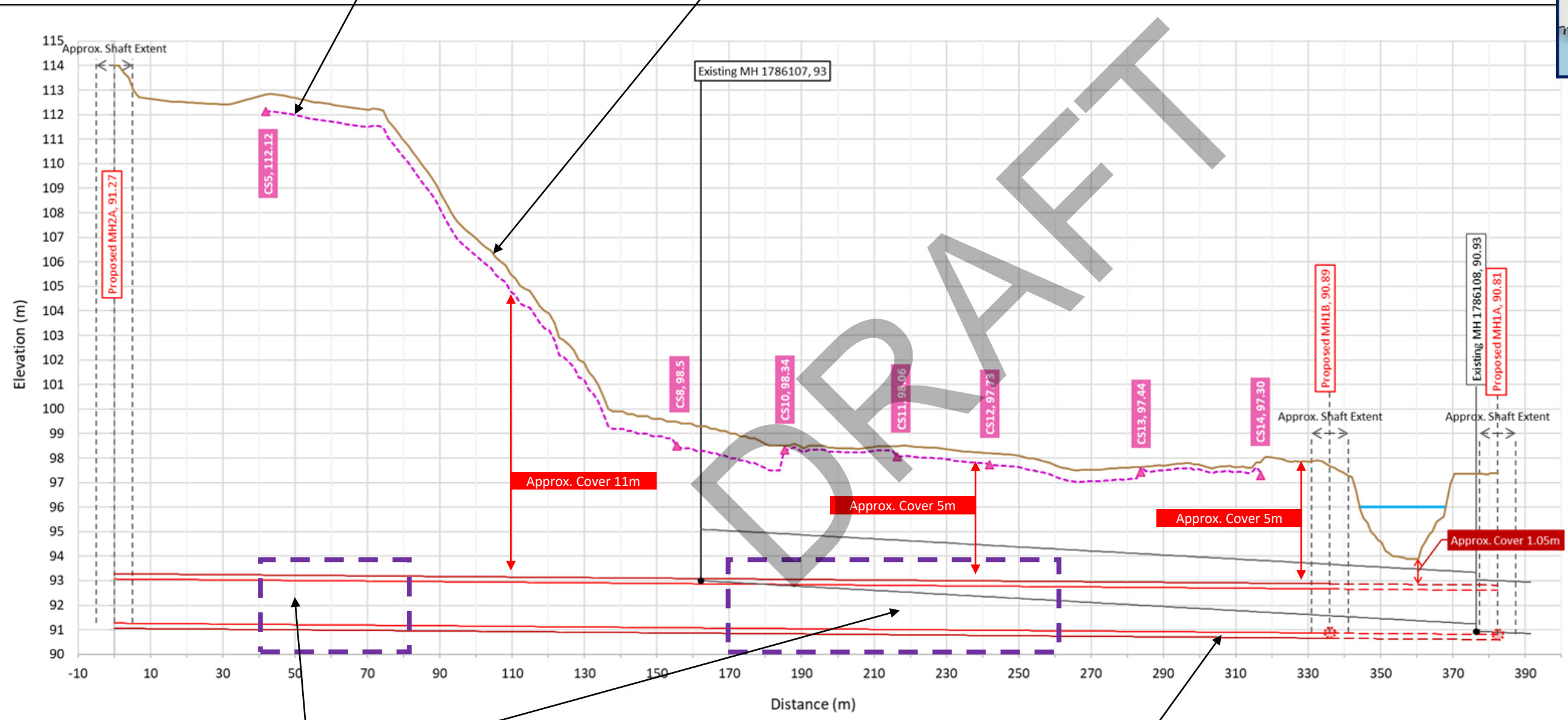
Etobicoke Creek Valley



Queensway and Etobicoke Creek Preliminary Preferred - Profile



Etobicoke Creek Valley

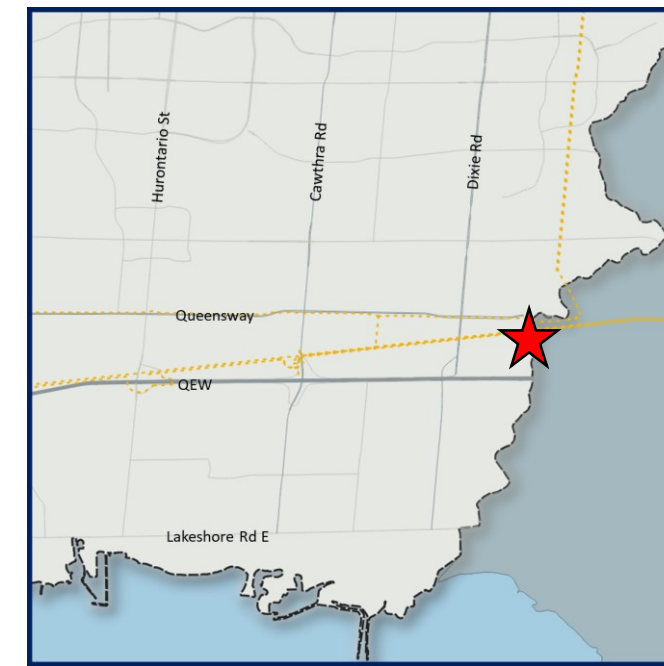
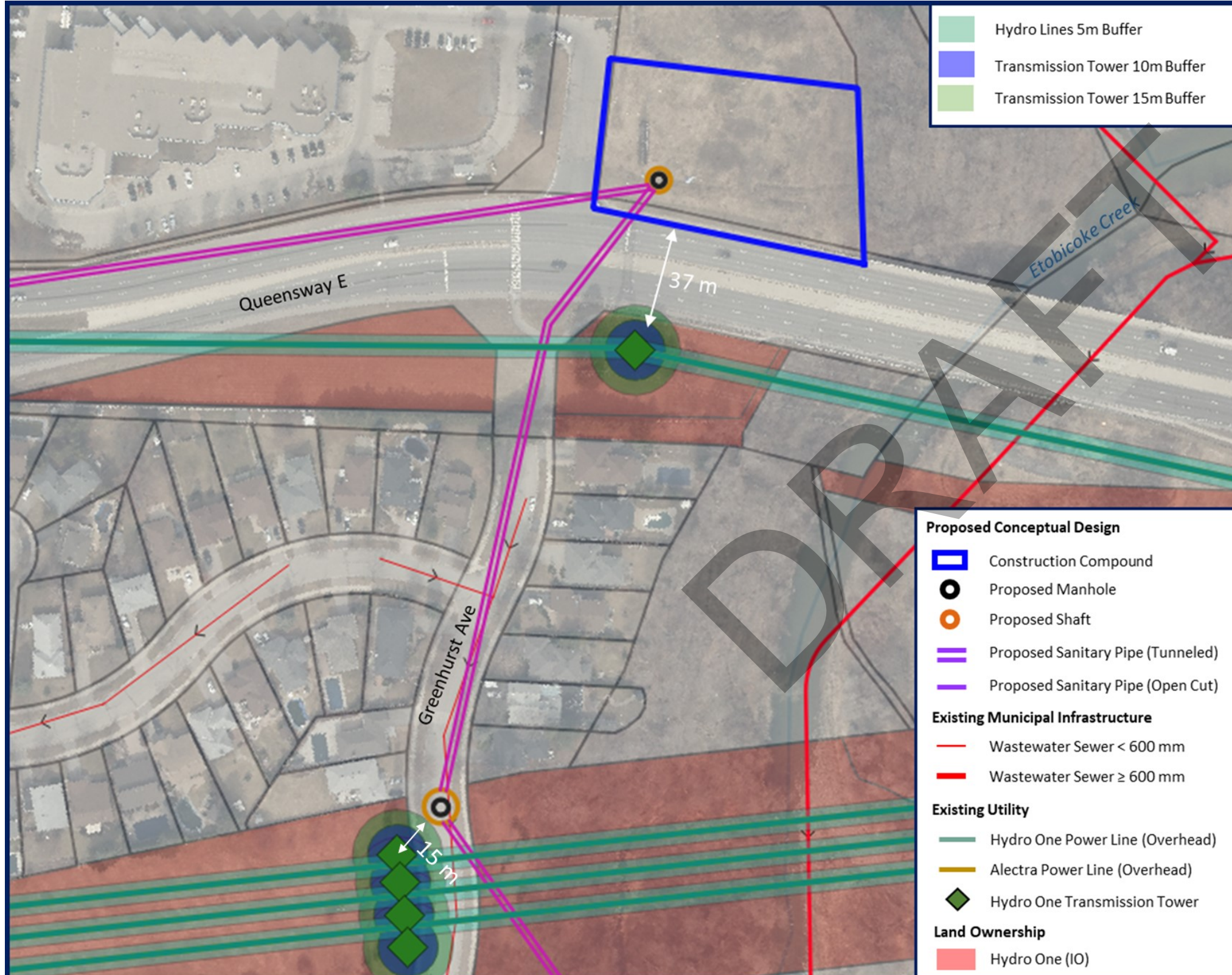


Proposed Conceptual Sewer Alignment

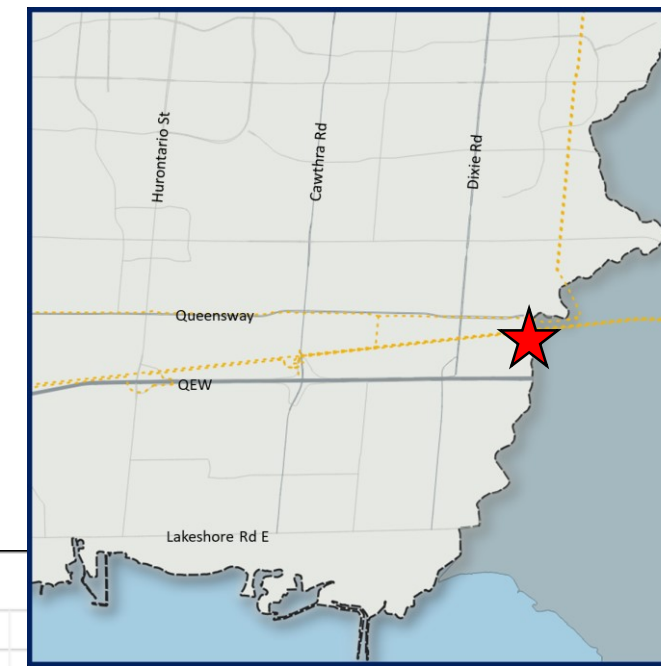
1800 mm (inner ring)
2224 mm with liner (outer ring)

Queensway and Etobicoke Creek Alternative – Plan

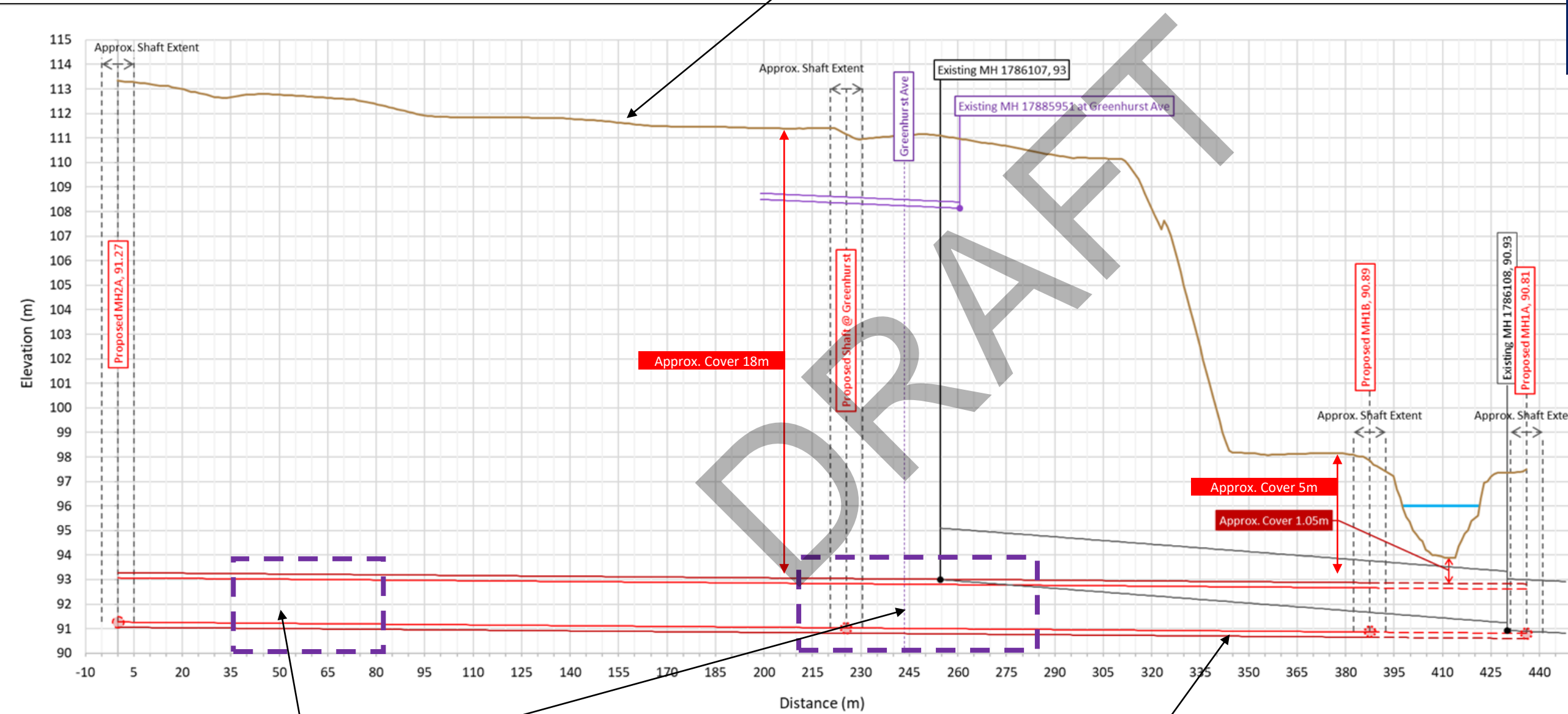
Greenhurst Avenue



Queensway and Etobicoke Creek Alternative – Profile



Greenhurst Avenue

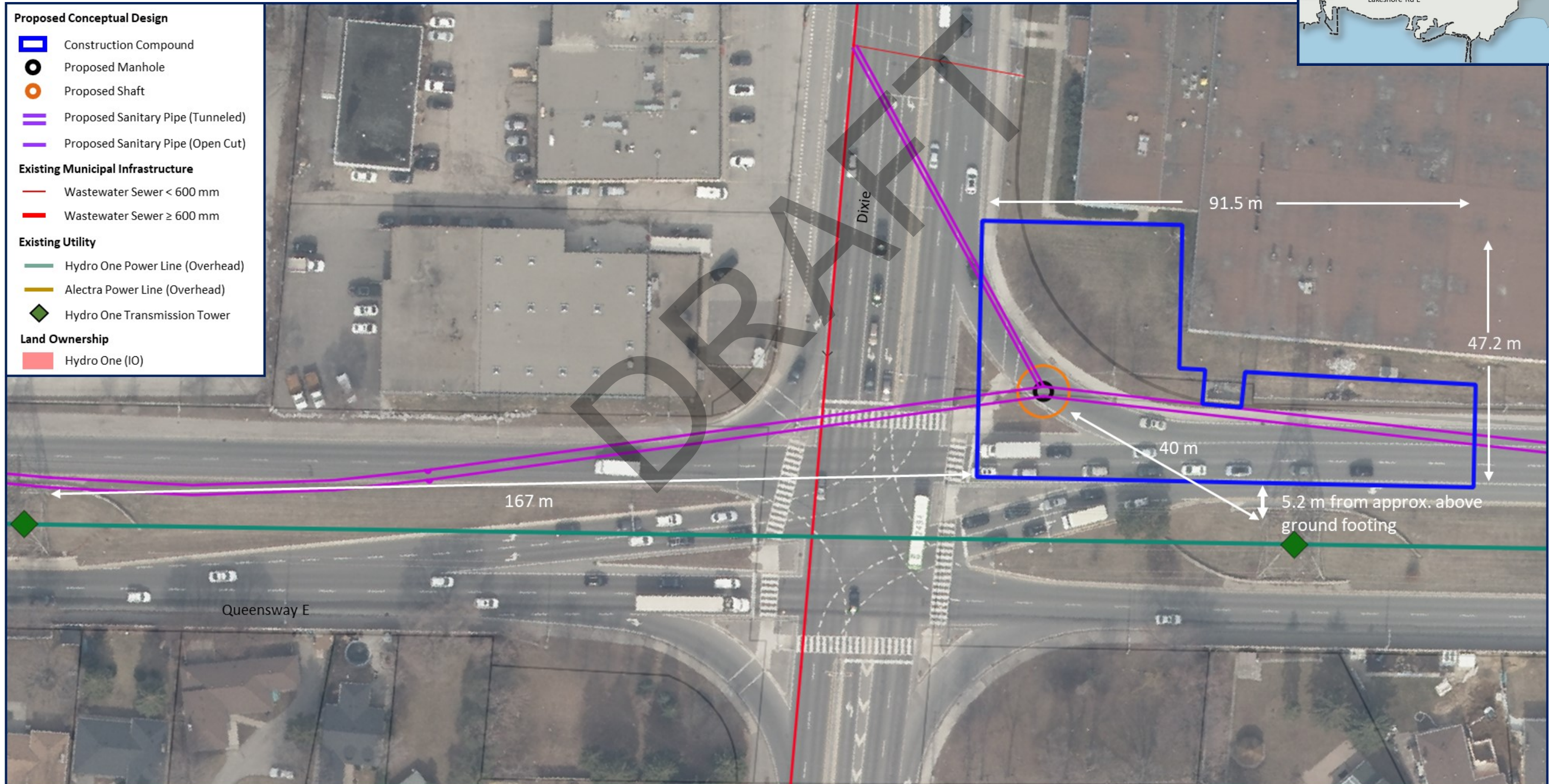
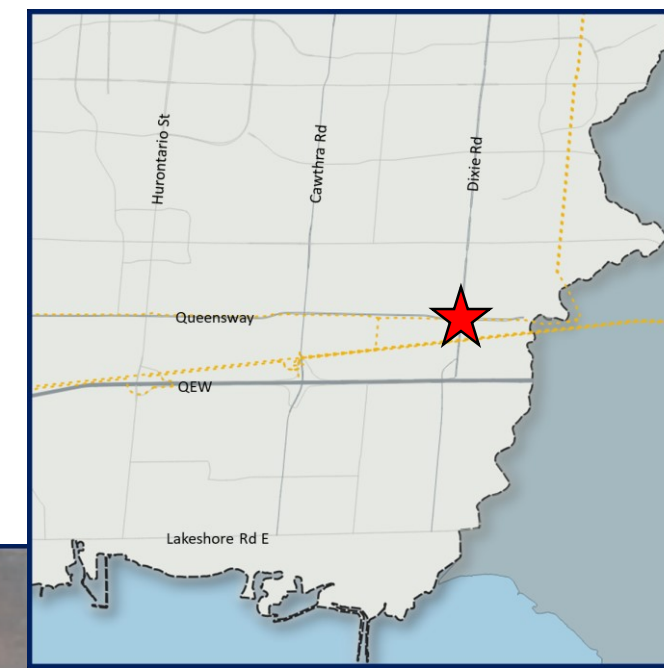


Proposed Conceptual Sewer Alignment

1800 mm (inner ring)
2224 mm with liner (outer ring)

Queensway and Dixie - Plan

- Construction compound and alignment not located on Hydro One/IO lands



Sandra Anastasio - GM BluePlan

From: greg.gowan@hydroone.com
Sent: Monday, March 08, 2021 2:45 PM
To: Sandra Anastasio - GM BluePlan
Cc: Janet.O'Brien@HydroOne.com
Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment
Attachments: image012.emz
Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sandra,

Hydro One has completed our preliminary review of the Central Mississauga Wastewater System sewer proposed on the Hydro One corridor lands. We have some comments that will need to be addressed during detailed design in order to provide approval. Please reference the comments below. I've also included our general terms and conditions for your reference that will need to be accounted for while completing the detailed design and during the construction on the Hydro One lands.

Let me know if you have any questions.

Thanks,

Specific Conditions/Comments:

- There is a concern about tunnels close to our structures and their potential impact on the foundations.
- Though tunnel and tower line seem to be sufficiently separated along Queensway, tunnel comes close to our tower on the west side of Dixie.
- Provide plan view clearly showing power lines and tunnels with reference to each other with dimensions.
- Provide settlement analyses and zone of influence curve for tunnel. Alternatively, a settlement magnitude at the location of towers during tunneling operation can be sent.

General Conditions:

Horizontal Clearance Around Hydro One Structures

- A 3.0 meter radius around Hydro One structures must be left unpaved for access to tower footings if necessary.
- Hydro One requires 15 meters of clearance on all sides around its transmission structures as measured from the tower legs in order to carry out maintenance operations. This clearance must be maintained at all times, and no storage or staging activities should occur within this area during construction.

Vertical Clearance

- Construction equipment and personnel working underneath the Hydro One conductors must satisfy OSHA clearance requirements.
- All proposed works on the corridor are subject to adequate overhead transmission line clearance from the high voltage conductors to the proposed ground elevations.

Corridor Conditions and Access

- No grading/excavation work is to be carried out using heavy machinery within 10 metres of the tower footings. Hydro One may permit grading/excavation work within 10 meters of the tower footings provided this work is carried out by hand or by using a Vacuum truck (VAC) system.
- Access to Hydro One facilities must not be obstructed at any time during construction, or after the proposed facilities are in service. The site must be kept free of all debris and equipment which could prohibit access to Hydro One facilities.
- Hydro One requires a minimum of 6 meter-wide route longitudinally along the corridor to access each transmission structure. The access route should not have a slope greater than 10%. If the proponent fails to maintain the required access route, they will be liable for any costs incurred by Hydro One in regaining access to perform maintenance or repairs.
- No fill material must be placed on the Hydro One corridor, except with prior approval from Hydro One.
- If the proponent performs any construction activity within 10 meters of any transmission structures, they must install temporary orange snow fence erected 3 meters around tower footprint. This fence must be maintained in an upright position for the duration of construction.
- All underground utilities have to be designed to allow for vehicular traffic to pass over. Type of vehicles to be accommodated includes large utility vehicles and cranes.

Storm Water Management

- The proposal shall not interfere with the natural drainage patterns or result in standing water anywhere on the affected stretch of the Hydro One corridor.
- The proponent will be held liable for any damage to Hydro One facilities, as a result of flooding or standing water caused by the proposal.
- Any proposed catch basins on the Hydro One corridor must be located within a paved roadway.

Safety & Security

- The proponent is responsible for maintaining security of the site and for the safety of the people working within the corridor.

Liabilities

- The proponent will assume all liability associated with this secondary land use proposal.
- In the case of Hydro One emergency work, the proponent may be required to suspend their operations without notice until Hydro One crews have completed the emergency work.
- Any relocation, modification or repair of Hydro One facilities as a result of the proposal will be carried out by Hydro One at the proponent's expense.
- The proponent is responsible for arranging all underground locates prior to digging, auguring or performing any excavation works on the Hydro One corridor.
- Hydro One is not responsible for any damages or injuries resulting from the effect of adverse weather conditions. This would include any damages or injuries from ice falling from structures or conductors as a result of an ice storm.
- Hydro One may, at its sole discretion, interrupt the proponent's occupation of the transmission corridor at any time during construction or post construction, to perform maintenance or emergency repairs. Hydro One will not be liable for any damages suffered by the proponent due to this interruption.

Prohibited Activities

- Buildings are not permitted on the transmission corridors. This prohibition includes, but is not limited to, temporary structures such as tents and construction trailers.
- There shall be no storage of any material on the Hydro One lands without permission of Hydro One. Any debris on the Hydro One lands shall be removed on an ongoing basis.
- There shall be no storage or tipping of garbage dumpsters on the Hydro One lands.
- There shall be no storage or dispensing of gasoline, or any other combustible substance, on the Hydro One lands.

Greg Gowan
(416) 527-3487

From: O'BRIEN Janet <Janet.O'Brien@HydroOne.com>

Sent: Thursday, March 4, 2021 7:52 AM

To: 'Sandra Anastasio - GM BluePlan' <Sandra.Anastasio@gmblueplan.ca>

Cc: GOWAN Greg <greg.gowan@hydroone.com>

Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

Good morning,

From your response below, I assume you are not able to provide settlement analyses and zone of influence curve or provide the settlement magnitude at the location of towers during tunneling operation at this time.

In this regard, I will pass along your comments to our reviewer. The circulation is still in process and we expect further comments from our internal groups. Once we are in receipt of all responses we will provide you with formal response.

Janet O'Brien
Real Estate Assistant, Facilities & Real Estate, R32
Hydro One Networks Inc.
Tel: 905-379-4078
Email: Janet.O'Brien@HydroOne.com

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, March 3, 2021 4:51 PM
To: O'BRIEN Janet <Janet.O'Brien@HydroOne.com>
Cc: GOWAN Greg <greg.gowan@hydroone.com>
Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

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Hi Janet,

Thank for you for providing feedback for this location. I will discuss further with my team to determine if the alignment can be moved further north away from the transmission tower. Can you please confirm that Hydro One's preference is a minimum 10 m horizontal setback from the face of the tower leg?

Was this the only comment received from the preliminary review or is the review still ongoing?

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=19D4AE4A-BCA8-D905-8339-C64F4F7FCF43&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-f53b1a5b67ff851a8228e0dec948d411835e1b57>



From: Janet.O'Brien@HydroOne.com <Janet.O'Brien@HydroOne.com>
Sent: Wednesday, March 03, 2021 7:53 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: greg.gowan@hydroone.com

Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

Good morning Sandra,

There is a concern where the proposed tunnel is getting close to the towers in some parts, please see our reviewer's comments below:

Note that, part of the tunnel is parallel our transmission line along Queensway, at some instances getting really close to the tower, especially at the location west of Dixie.

Can you please ask the proponent to provide settlement analyses and zone of influence curve? Alternatively the can send us the settlement magnitude at the location of towers during tunneling operation.

We look forward to receiving the requested information.

Janet O'Brien
Real Estate Assistant, Facilities & Real Estate, R32
Hydro One Networks Inc.
Tel: 905-379-4078
Email: Janet.O'Brien@HydroOne.com

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Sent: Tuesday, March 2, 2021 8:45 AM

To: O'BRIEN Janet <Janet.O'Brien@HydroOne.com>

Cc: GOWAN Greg <greg.gowan@hydroone.com>

Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

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Hi Janet,

Further to our call this morning, please find attached the requested information for the Queensway and Dixie location.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

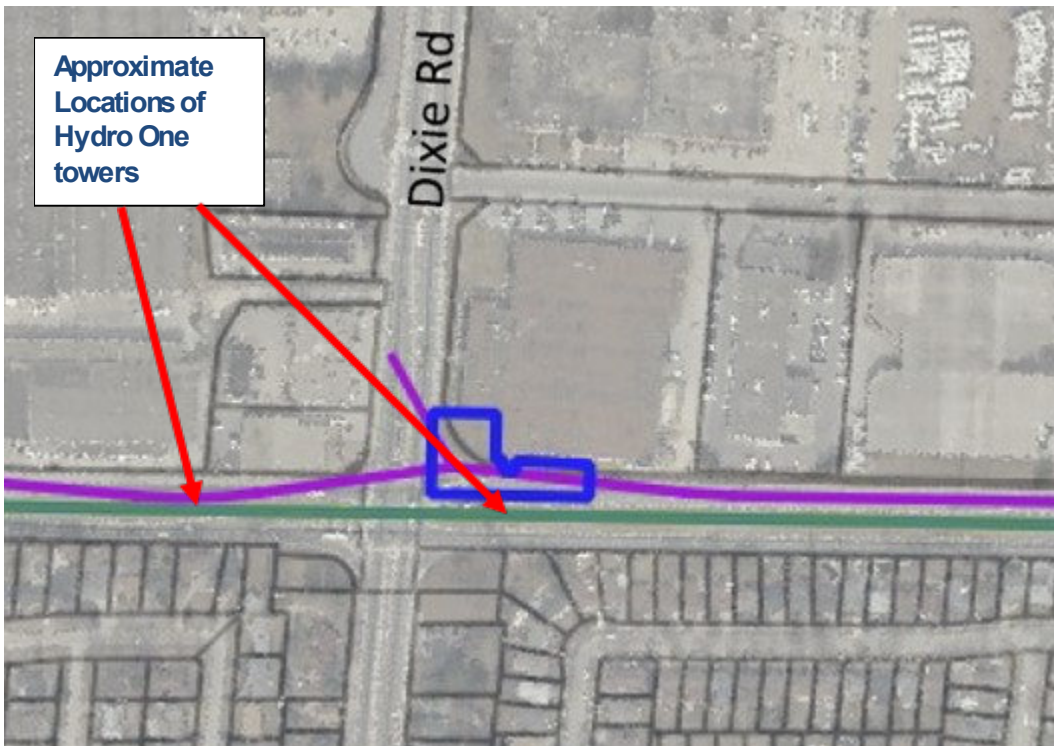
sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=B512766B-BC8D-F205-91A9-462D9095C492&auth=7c4ba316753dc19277b4cd0bdecce6f0c8e9311b-81d8e102242f8ca9ee1b75425766dc2433f9d2e2>



From: Janet.O'Brien@HydroOne.com <Janet.O'Brien@HydroOne.com>
Sent: Monday, March 01, 2021 2:31 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: greg.gowan@hydroone.com
Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment
Importance: High

Hi Sandra,

Our reviewer has requested for the detail of construction (plan view) at Dixie and Queensway. He comments... "the Other such locations are provided with plan-view details that show manholes, shaft, etc. We have towers at this location and I cannot find any details of how close the tunnel is to our towers..."



Please provide at your earliest convenience.

Janet O'Brien
Real Estate Assistant, Facilities & Real Estate, R32
Hydro One Networks Inc.
Tel: 905-379-4078
Email: Janet.O'Brien@HydroOne.com

From: O'BRIEN Janet
Sent: Tuesday, February 23, 2021 4:07 PM
To: 'Sandra Anastasio - GM BluePlan' <Sandra.Anastasio@gmblueplan.ca>
Cc: GOWAN Greg <greg.gowan@hydroone.com>
Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

Hi Sandra,

I apologize for the confusion, please follow Greg Gowan's original instructions.

Janet O'Brien
Real Estate Assistant, Facilities & Real Estate, R32
Hydro One Networks Inc.
Tel: 905-379-4078
Email: Janet.O'Brien@HydroOne.com

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Tuesday, February 23, 2021 1:11 PM
To: O'BRIEN Janet <Janet.O'Brien@HydroOne.com>
Subject: RE: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

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Hi Janet,

Greg sent me the attached payment instructions on Friday which differs from the one you provided. Please let me know which one we should follow for the review fee.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=3CC3EC34-BC04-D705-9FC4-1D5AFE783611&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-7fe5cfea1542bff15a42ddb6688aad4c6d4da037>



From: Janet.O'Brien@HydroOne.com <Janet.O'Brien@HydroOne.com>
Sent: Tuesday, February 23, 2021 11:38 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: greg.gowan@hydroone.com
Subject: Mississauga C 636-7505 Preliminary Review Package for Central Mississaugas Wasterwater System Alignment

Hi Sandra,

I am assisting Greg Gowan with this proposal and have opened a file for the review of concept drawings. Kindly take note of our file number Mississauga C 636-7505 and please refer to same in all future correspondence.

At this time there is an Engineering Review Fee due in the amount of \$1,500 + 195.00 HST = \$1,695.00 payable to Ontario Infrastructure & Lands Corp, which should be made following the attached EFT Payment Information. The file # should be referenced when submitting the payment to IO and once completed please provide us with a receipt.

If you have any questions please do not hesitate to contact us.

Janet O'Brien
Real Estate Assistant, Facilities & Real Estate, R32
Hydro One Networks Inc.
Tel: 905-379-4078
Email: Janet.O'Brien@HydroOne.com

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Monday, February 22, 2021 10:47 AM
To: GOWAN Greg <greg.gowan@hydroone.com>
Cc: Justin.Lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Region of Peel Central Miss EA - Preliminary Review Package

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Hi Greg,

Thank you. We will process the payment for the review.

I have included a link below to the updated PDF with the requested measurements.

<https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=https%3a%2f%2fsendafile.gmblueplan.ca%2fpublic%5fuploads%2f2021%2d02%2d22%5f154347%5f2021%2d02%2d22%5fHydro%5fOne%5fPreliminary%5fReview%5fSubmission%5fUpdated%5fDraft.pdf&umid=19D4AE4A-BCA8-D905-8339-C64F4F7FCF43&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-0aa80745f32e05c185a430a9c5627b77dd846138>

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=6082D3E4-BBEE-B805-B6C5-AF38FB340AC1&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-3515ed5a1e03838f25c9b0e7ce687c874fcd85c0>



From: greg.gowan@hydroone.com <greg.gowan@hydroone.com>
Sent: Friday, February 19, 2021 3:52 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Cc: Justin.Lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>

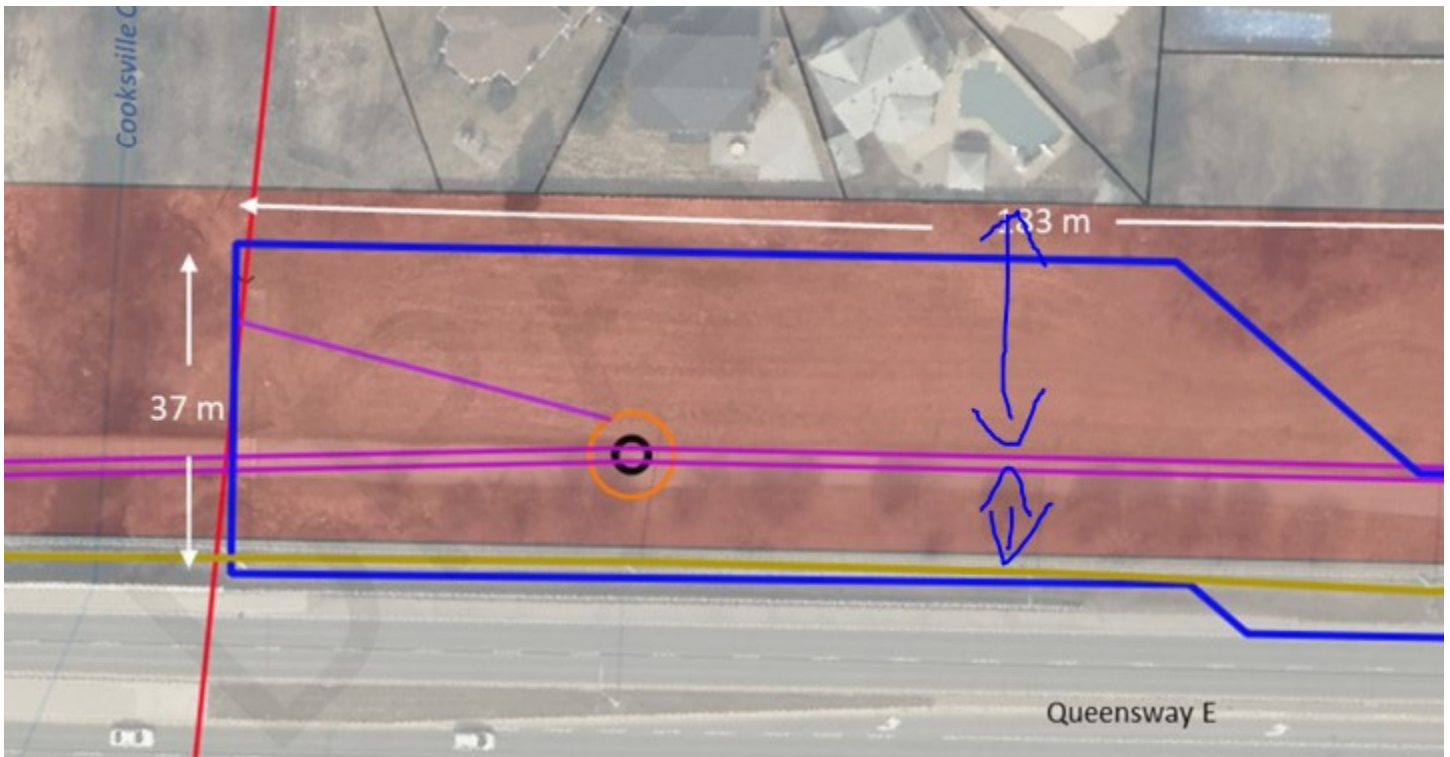
Subject: RE: Region of Peel Central Miss EA - Preliminary Review Package

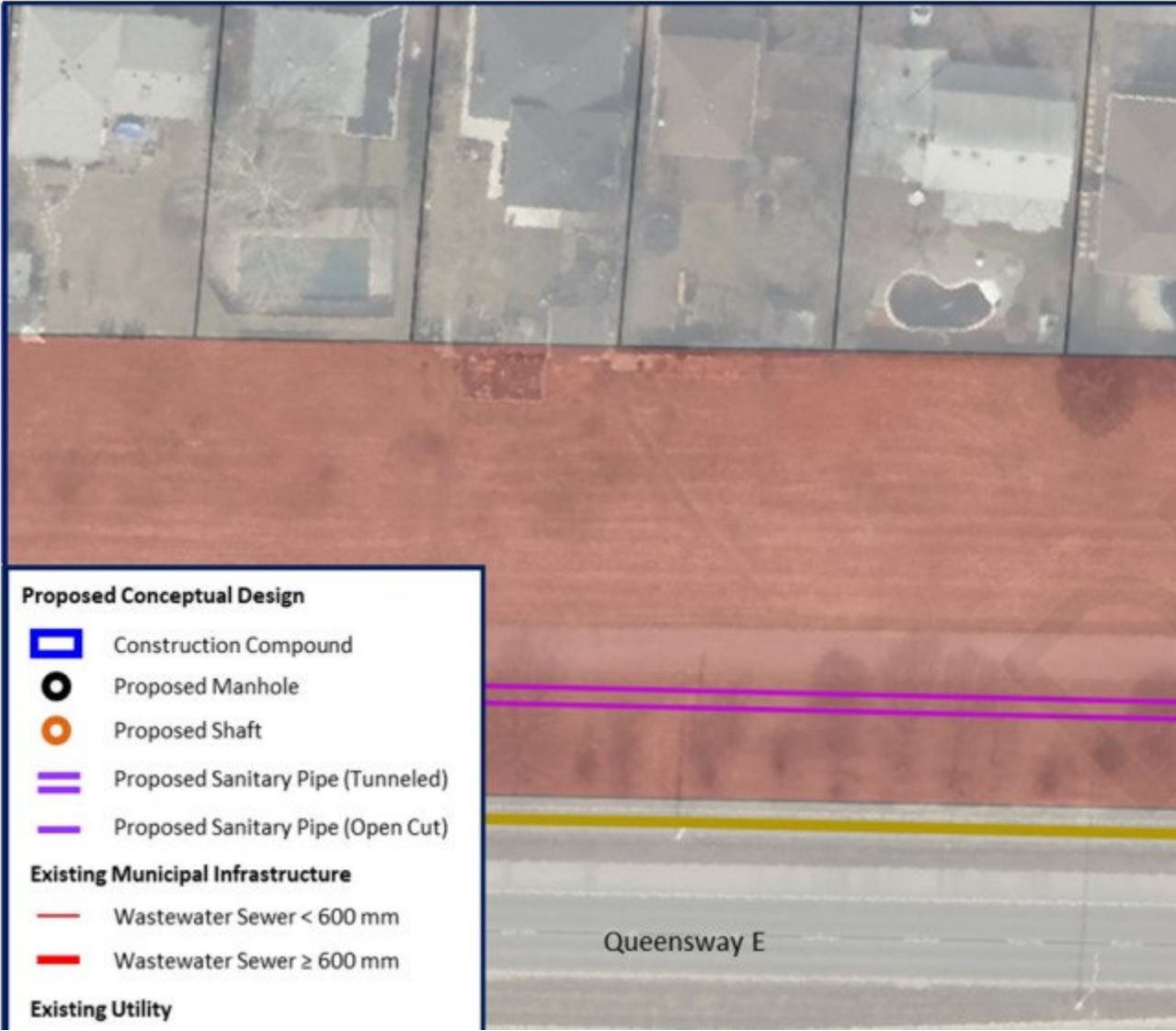
Hi Sandra,

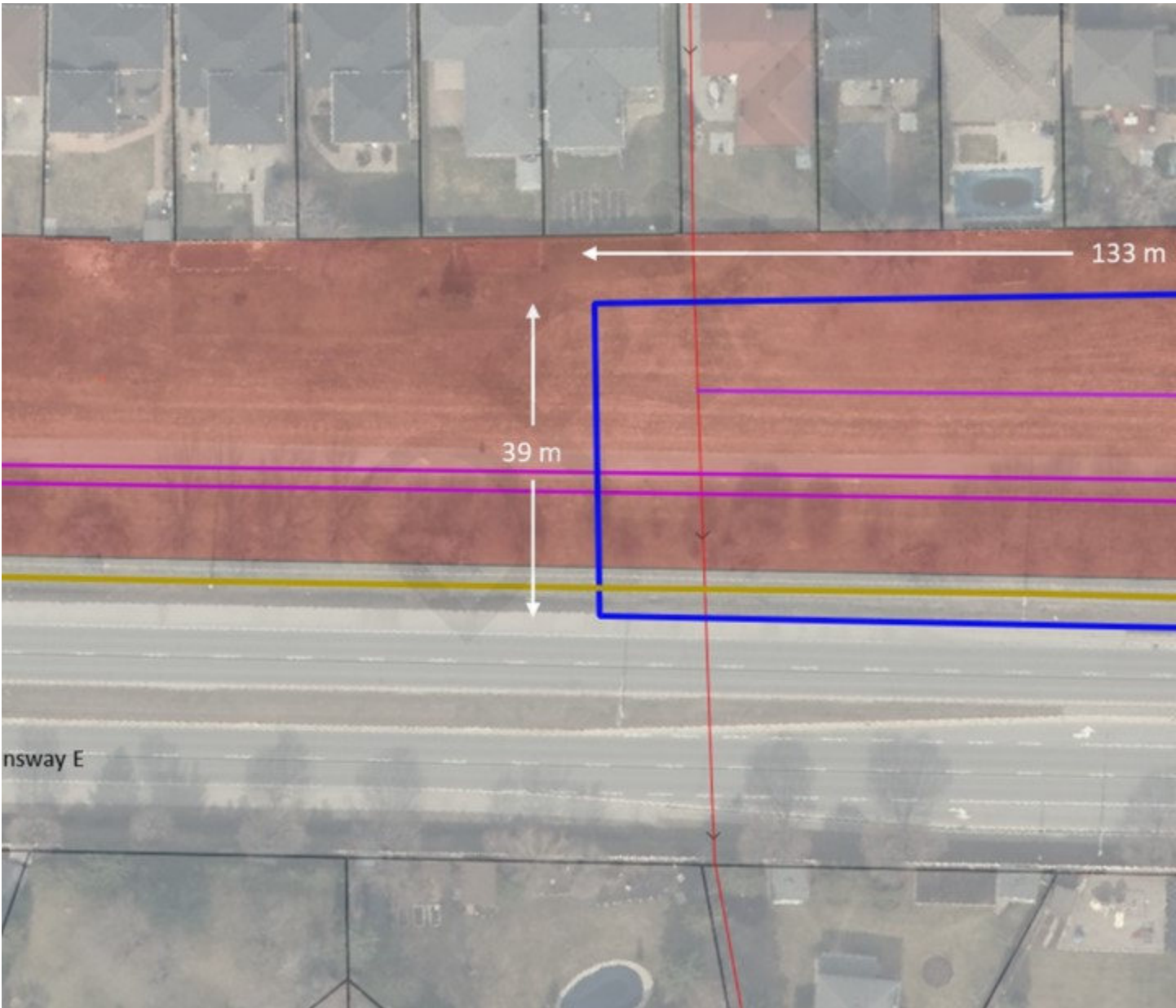
Thanks for providing. I think generally we have no major concerns with the design, but if I can recall from the last meeting we requested to see measurements from your proposed pipe to the north/south boundaries of our corridor. We'll need an idea of measurements so we can ensure we have sufficient room to install our future towers. I've provided some screen shot examples below.

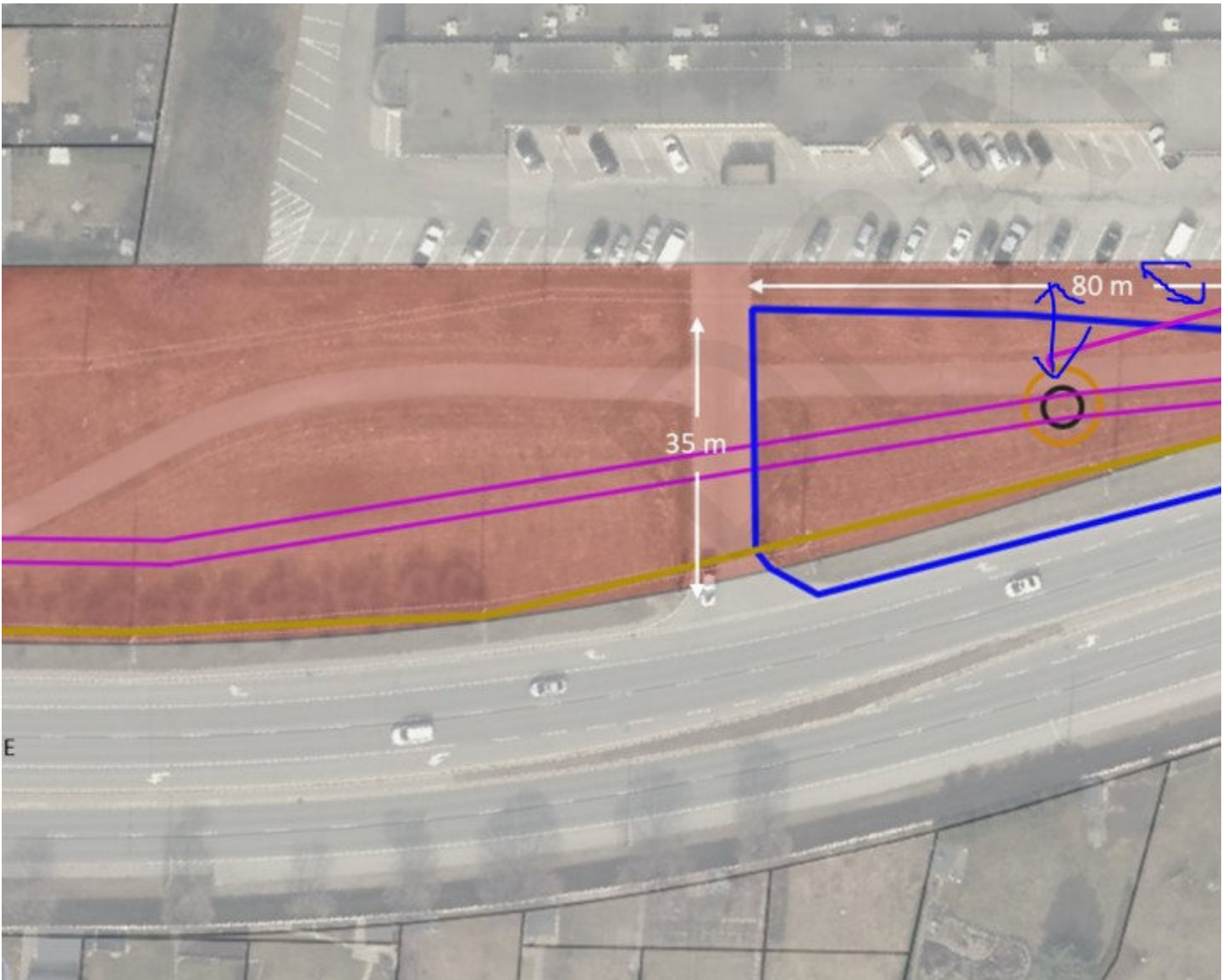
Furthermore, I'll require a \$1,500 + HST Engineering Review Fee submitted to Hydro One following the attached instructions to circulate the concept plans to provide comments back.

Thanks,









Greg Gowan
(416) 527-3487

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Friday, February 12, 2021 1:44 PM
To: GOWAN Greg <greg.gowan@hydroone.com>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: Region of Peel Central Miss EA - Preliminary Review Package

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Hi Greg,

I have provided a link below which includes our submission package for Hydro One's preliminary review of the conceptual alignment and shaft locations for the Region of Peel Wastewater Capacity Improvements in Central Mississauga EA.

<https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=https%3a%2f%2fsendafile.gmblueplan.ca%2fpublic%5fuploads%2f2021%2d02%2d12%5f184130%5f2021%2d02%2d12%5fRegion%5fof%5fPeel%5fCentral%5fMiss%5fEA%5f%2d%5fHydro%5fOne%5fPreliminary%5fReview.pdf&umid=19D4AE4A-BCA8-D905-8339-C64F4F7FCF43&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-8cef479393e8aac5e6d3694c6889266a6116ff60>

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | <https://ddei3-0-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.gmblueplan.ca&umid=DDC481A3-BB28-0605-96AC-1FAB8BD19AC2&auth=2d642bc0e91c4252d9fd41a45fae119e296f143e-498a4845628bb2e54edff63e5824bdc88b758935>



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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, July 26, 2021 3:37 PM
To: Susan.SUN@HydroOne.com
Cc: Chris Campbell - GM BluePlan; Lee, Justin; SecondaryLandUse@HydroOne.com; greg.gowan@hydroone.com
Subject: RE: Hydro One Response: 20210624-NoticeOfPIC2-Wastewater Capacity Improvements in Central Mississauga
Attachments: Peel Central Miss EA - Easement Requirements.pdf

Hello Susan,

Thank you for providing your feedback. Our team received commentary regarding the selected shaft locations and alignments from Greg Gowan in March 2021. The PIC materials reflect the suggested changes.

At this time, we can confirm that the proposed sewer alignment and shaft locations do not have any potential impacts to Hydro One transmission lines or towers. Temporary easements will be required at several locations during construction and permanent easement for sewer alignments and long-term access at the following locations which fall within Hydro One managed lands:

- Queensway and Cooksville Creek (shaft compound)
- Queensway and Cliff Road (shaft compound)
- Queensway and Hensall Street (shaft compound)
- Queensway and Tedlo Street (shaft compound)
- Etobicoke Creek between Queensway and Sherway Drive (underground alignment)

The Region will continue to consult with Hydro One throughout the project to avoid any potential conflicts and to ensure Hydro One is aware of all project updates.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



-----Original Message-----

From: Susan.SUN@HydroOne.com <Susan.SUN@HydroOne.com>
Sent: June 24, 2021 2:08 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>

Cc: SecondaryLandUse@HydroOne.com; greg.gowan@hydroone.com

Subject: Hydro One Response: 20210624-NoticeOfPIC2-Wastewater Capacity Improvements in Central Mississauga

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

Please see the attached for Hydro One's Response.

Hydro One Networks Inc
SecondaryLandUse@HydroOne.com

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Hydro One Networks Inc
483 Bay St
Toronto, ON

June 24, 2021

Re: Wastewater Capacity Improvements in Central Mississauga

Attention:
Justin Lee, P.Eng.,
Project Manager

Thank you for sending us notification regarding (Wastewater Capacity Improvements in Central Mississauga). The Secondary Land Use group is aware of this project. Please continue construction conversations with Greg Gowan, Hydro One Senior Real Estate Coordinator. Please note part of your application is on Bill 58 lands you will need to provide complete plans to the Real Estate to work through any acquisition of rights. Please inform us if the scope of the project changes so that we may assess the impact to our assets. Note that this response does not constitute approval for your plans and is being sent to you as a courtesy to inform you that we must continue to be consulted on your project.

In addition to the existing infrastructure mentioned above, the applicable transmission corridor may have provisions for future lines or already contain secondary land uses (e.g., pipelines, watermains, parking). Please take this into consideration in your planning.

Also, we would like to bring to your attention that should (Wastewater Capacity Improvements in Central Mississauga) result in a Hydro One station expansion or transmission line replacement and/or relocation, an Environmental Assessment (EA) will be required as described under the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016). This EA process would require a minimum of 6 months for a Class EA Screening Process (or up to 18 months if a Full Class EA were to be required) to be completed. Associated costs will be allocated and recovered from proponents in accordance with the Transmission System Code. If triggered, Hydro One will rely on studies completed as part of the EA you are current undertaking.

Consulting with Hydro One on such matters during your project's EA process is critical to avoiding conflicts where possible or, where not possible, to streamlining processes (e.g., ensuring study coverage of expansion/relocation areas within the current EA). Once in receipt of more specific project information regarding the potential for conflicts (e.g., siting, routing), Hydro One will be in a better position to communicate objections or not objections to alternatives proposed.

If possible at this stage, please formally confirm that Hydro One infrastructure and associated rights-of-way will be completely avoided, or if not possible, allocate appropriate lead-time in your project schedule to collaboratively work through potential conflicts with Hydro One, which ultimately could result in timelines identified above.

In planning, note that developments should not reduce line clearances or limit access to our infrastructure at any time. Any construction activities must maintain the electrical clearance from the

transmission line conductors as specified in the Ontario Health and Safety Act for the respective line voltage.

Be advised that any changes to lot grading or drainage within, or in proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor.

Please note that the proponent will be held responsible for all costs associated with modifications or relocations of Hydro One infrastructure that result from your project, as well as any added costs that may be incurred due to increased efforts to maintain said infrastructure.

We reiterate that this message does not constitute any form of approval for your project. Hydro One must be consulted during all stages of your project. Please ensure that all future communications about this and future project(s) are sent to us electronically to secondarylanduse@hydroone.com

Sent on behalf of,

***Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.***

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Thursday, November 11, 2021 1:13 PM
To: greg.gowan@hydroone.com
Cc: Lee, Justin; Chris Campbell - GM BluePlan; Borowiec, Laura
Subject: Peel Central Mississauga EA - Project Update

Hi Greg,

I wanted to provide you an update on the Region of Peel's Wastewater Capacity Improvements in Central Mississauga Class EA study. We are preparing the Environment Study Report (ESR) which will be available for public review during Winter 2022. The Notice of Study Completion will be forwarded to you in the new year which will provide details on how to review and provide feedback.

We have made updates to the preferred shaft location at Queensway East and Dixie Road. I have included a link to the updated draft conceptual design drawings of the preferred solution for your reference. This link will be available for the next 21 days: https://sendfile.gmblueplan.ca/public_uploads/2021-11-11_181126_718018_Central_Miss_Trunk_Rev_3-2021-11-08_DRAFT.pdf

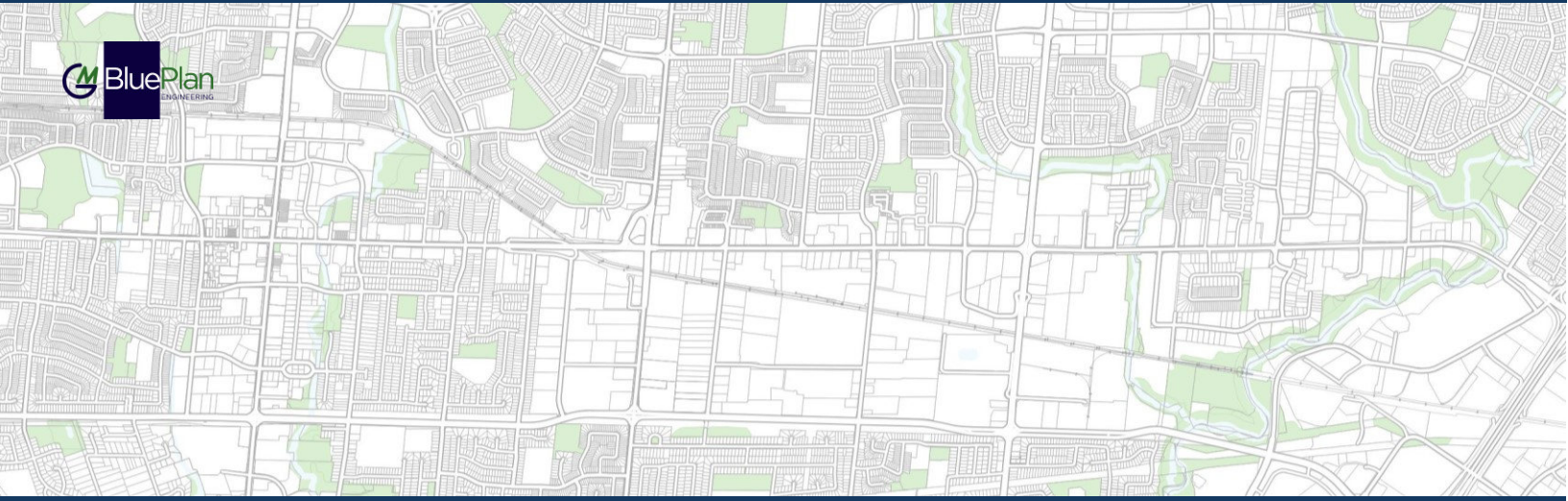
Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca





REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

Enbridge Inc.



December 2, 2019

Our File: 718018

Mr. Jim Arnott
Municipal Coordination Advisor/GTA Project Planner
Enbridge Gas Distribution Inc.
500 Consumer Road
North York, ON M2J 1P8

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

Dear Mr. Jim Arnott,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any Enbridge operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell'.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Jim Arnott <Jim.Arnott@enbridge.com>
Sent: Monday, December 16, 2019 3:03 PM
To: Mark-Ups
Cc: Sandra Anastasio - GM BluePlan
Subject: [WARNING: ATTACHMENT UNSCANNED]FW: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ Enbridge Dist.pdf

Markups

Please process this as a markup information request by GM Blueplan.

Jim Arnott

Senior Advisor Capital Planning
Capital Development and Delivery

Enbridge

Tel: 416-758-7901 | Cell: 647-393-3254
101 Honda Blvd
Markham, Ontario L6C 0M6

Jim.arnott@enbridge.com

enbridgegas.com
Safety. Integrity. Respect.

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, December 4, 2019 11:04 AM
To: Jim Arnott <Jim.Arnott@enbridge.com>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: [External] Region of Peel Central Mississauga EA

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hello Mr. Jim Arnott,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
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Sandra Anastasio - GM BluePlan

From: Mark-Ups <Mark-Ups@enbridge.com>
Sent: Monday, January 06, 2020 4:51 PM
To: Sandra Anastasio - GM BluePlan
Subject: RE: Email 1 of 4 - EGD 23850181 - Region of Peel Central Mississauga EA - General Locate
Attachments: 12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites EG-1-8.pdf; Third_Party_Requirements_in_the_Vicinity_of_Natural_Gas_Facilities.pdf

Hi,

The file is too large to send in one email, therefore, I will be sending it in 4 emails starting with this one. See below for our response:

Attached is the information you had requested.
The information provided is for General Location Only. You must resubmit your detailed design for our review.

Should you require anything further please contact us at Mark-Ups@enbridge.com.

Best regards,

Elizabeth Dewcharran
QSP Geographics on behalf of Enbridge Gas Distribution

From: Jim Arnott
Sent: Monday, December 16, 2019 3:03 PM
To: Mark-Ups
Cc: Sandra Anastasio - GM BluePlan
Subject: EGD 23850181 - Region of Peel Central Mississauga EA

ADDITIONAL FILES CAN BE FOUND UNDER:

S:\Drafting\MARK-UPS EGD\Casey - Temp files\Region of Peel Central Mississauga EA

Markups

Please process this as a markup information request by GM Blueplan.

Jim Arnott
Senior Advisor Capital Planning
Capital Development and Delivery

Enbridge
Tel: 416-758-7901 | Cell: 647-393-3254
101 Honda Blvd
Markham, Ontario L6C 0M6

Jim.arnott@enbridge.com

enbridgegas.com
Safety. Integrity. Respect.

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, December 4, 2019 11:04 AM
To: Jim Arnott <Jim.Arnott@enbridge.com>
Cc: Chris Campbell - GM BluePlan <laura.borowiec@peelregion.ca>' <laura.borowiec@peelregion.ca>
Subject: [External] Region of Peel Central Mississauga EA

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Hello Mr. Jim Arnott,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA - Preliminary Short Listed Sites.pdf](https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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EGD File Number: 23850181

Re: Region of Peel Central Mississauga EA

- By law utility locates must be obtained prior to starting any excavation or ground disturbance activity, such as pile driving, boring, auguring or digging.
- Contact Ontario One Call at 1-800-400-2255 or www.on1call.com at least 5 business days before beginning work to obtain utility locates.
- Please refer to the “**Third Party Requirements In the Vicinity of Natural Gas Facilities**” for requirements and precautions for working safely in the vicinity of natural gas pipelines. The most recent version of this document is available at: <https://www.enbridgegas.com/~media/Extranet-Pages/Safety/Before-you-dig/Third-Party-Requirements-in-the-Vicinity-of-Natural-Gas-Facilities>
- Enbridge’s responses are based on the information available and are valid for a period of 6 months from issue.

VITAL MAIN

- You are working within 3m of a Vital Main Pipeline. In order to accommodate Enbridge vital main standby requirements, our Damage Prevention department must be contacted a minimum of three business days prior to commencing any excavation at 1-866-922-3622 to schedule a site meeting.

NEB PERMIT REQUIRED

- When crossing or working within 30m of the right-of-way of an NEB regulated natural gas pipeline, a permit must be obtained from the pipeline company (attached).
 - Completed permit applications may be submitted to the Enbridge Gas Distribution Inc. NEB Engineer at ngtl@enbridge.com
 - Completed permit applications may be submitted to the Enbridge Gas Distribution Inc. NEB Engineer at 2193914canadalimited@enbridge.com

CONFLICT

- We have an **OBJECTION** to your proposed plant as indicated. Please refer to the attached drawings for information on our existing or proposed gas plant.
- You must submit a revised design for our approval that meets the requirements detailed in the Third Party Requirement book before proceeding.
- If relocation of our plant is required, please contact:

<input type="checkbox"/>	Toronto Region	Jaclyn Mui	416-495-7222	jaclyn.mui@enbridge.com
<input type="checkbox"/>	Central Region West	Meetpal Chhina	905-458-2159	meetpal.chhina@enbridge.com
<input type="checkbox"/>	Central Region East	Ashu Kahol	905-927-3017	ashu.kahol@enbridge.com
<input type="checkbox"/>	Niagara Region	Rhonda Nicholson	905-641-4815	rhonda.nicholson@enbridge.com
<input type="checkbox"/>	Eastern Region Ottawa	Sonia Padamadan	613-748-6861	sonia.padamadan@enbridge.com
<input type="checkbox"/>	Easement Crossing	Anissa Trenholm	416-753-6937	anissa.trenholm@enbridge.com

NO-CONFLICT

- We have **NO OBJECTION** to your proposed plant as indicated. Please refer to the attached drawings for information on our existing and/or proposed gas plant. GAS MAINS MUST BE FIELD LOCATED. Before digging, please call ONTARIO ONE CALL at 1-800-400-2255 for free gas locates.

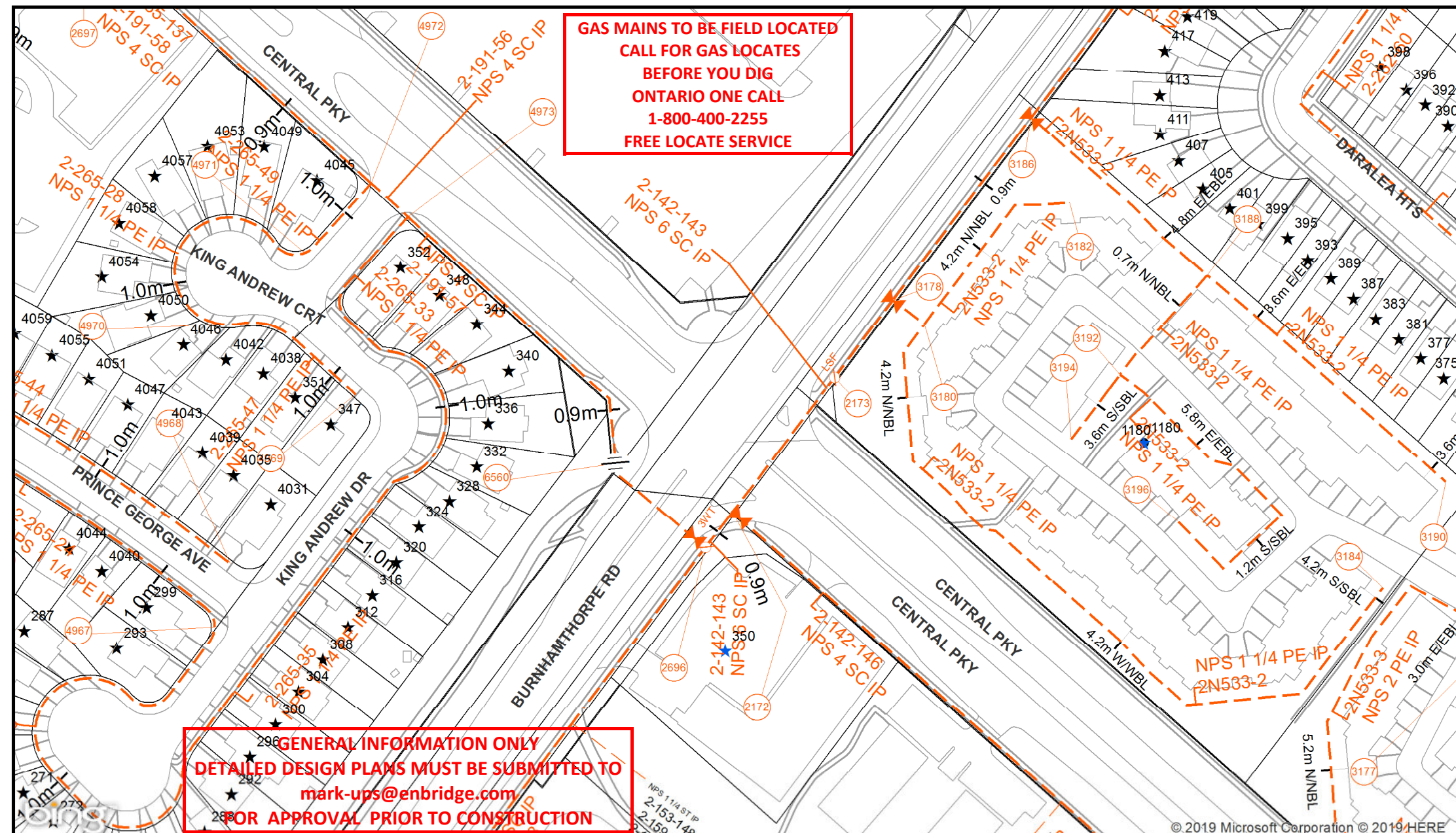
GENERAL LOCATION

- Refer to the attached drawings for information on our existing and/or proposed gas plant within the road allowance.
- The information provided is for **GENERAL LOCATION ONLY** and is not an approval. Detailed plans must be submitted for our review before an approval will be granted.

Kind Regards,

**GAS MAINS TO BE FIELD LOCATED
CALL FOR GAS LOCATES
BEFORE YOU DIG
ONTARIO ONE CALL
1-800-400-2255
FREE LOCATE SERVICE**

**GENERAL INFORMATION ONLY
DETAILED DESIGN PLANS MUST BE SUBMITTED TO
mark-ups@enbridge.com
FOR APPROVAL PRIOR TO CONSTRUCTION**

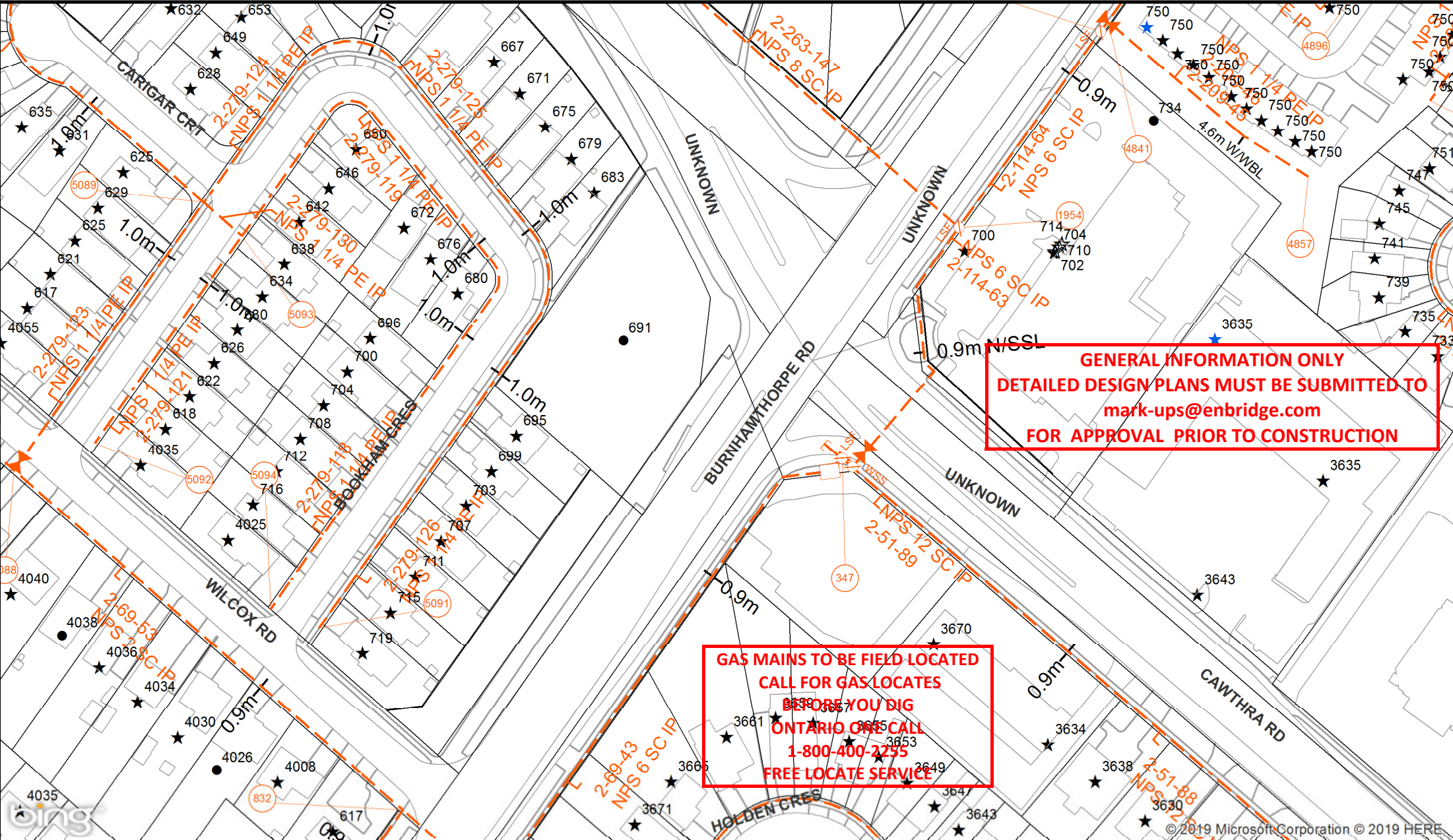


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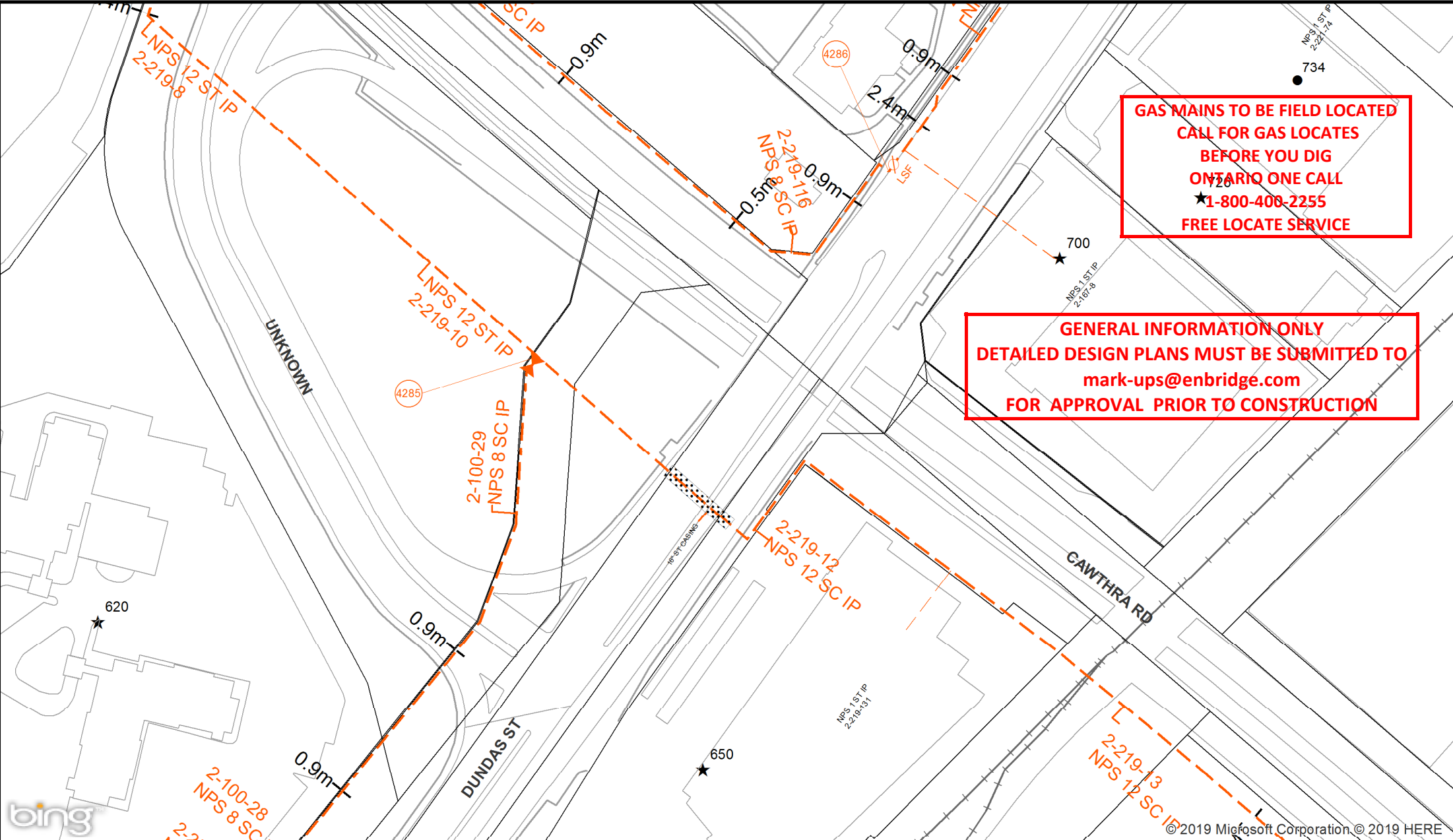


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 1-800-400-2255
 FREE LOCATE SERVICE**

**GAS MAINS TO BE FIELD LOCATED
CALL FOR GAS LOCATES
BEFORE YOU DIG
ONTARIO ONE CALL
★1-800-408-2255
FREE LOCATE SERVICE**

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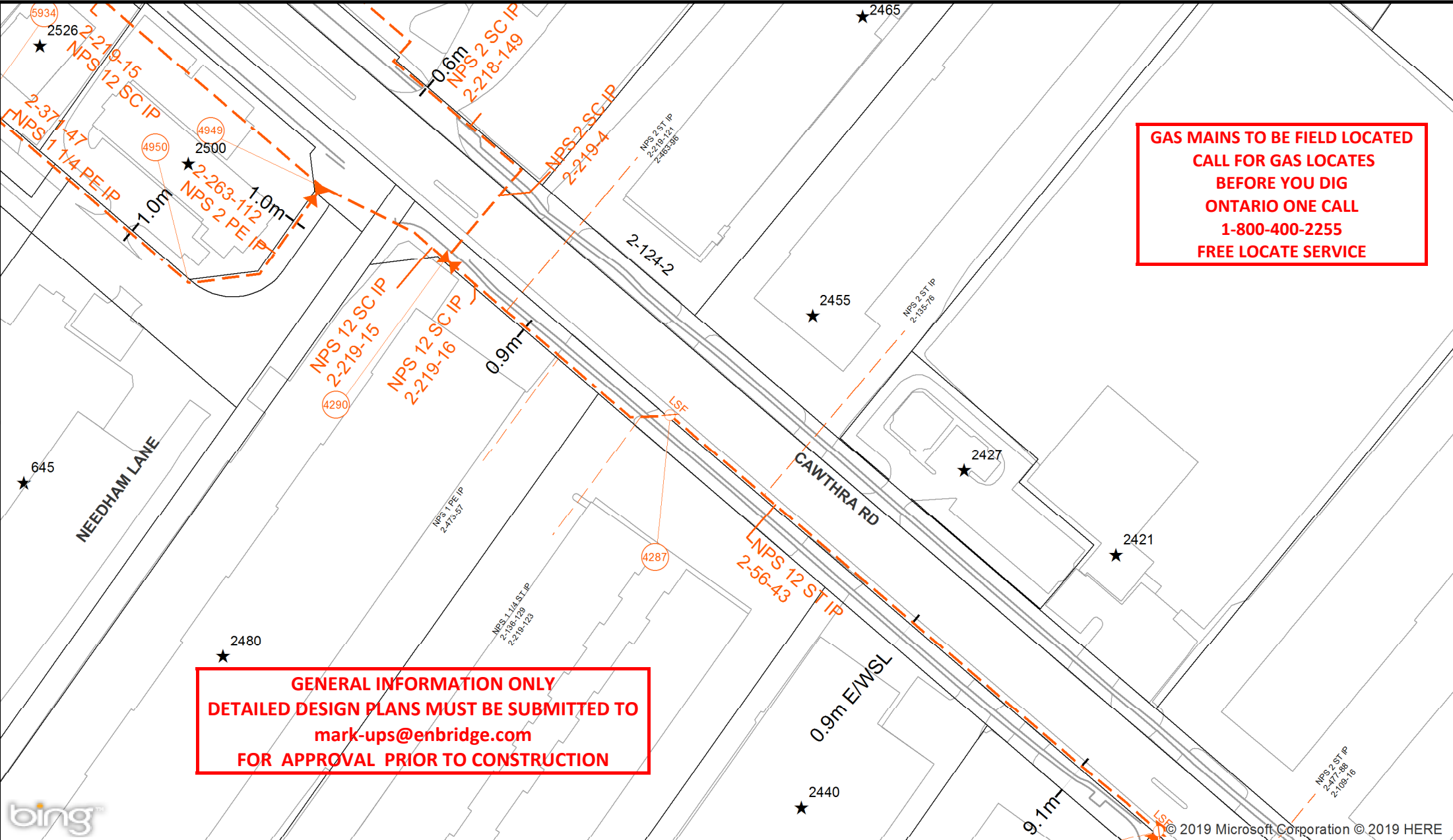
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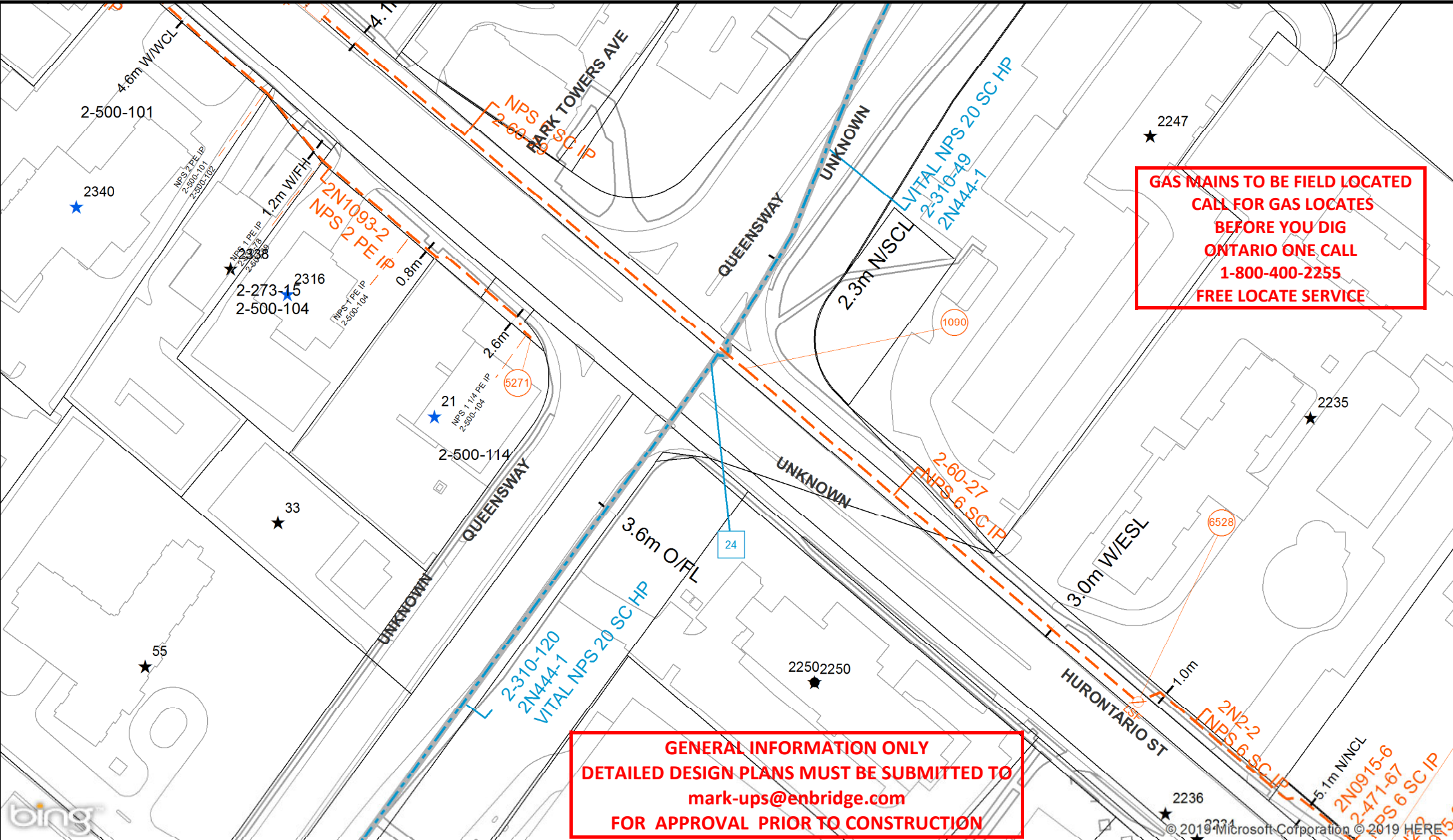
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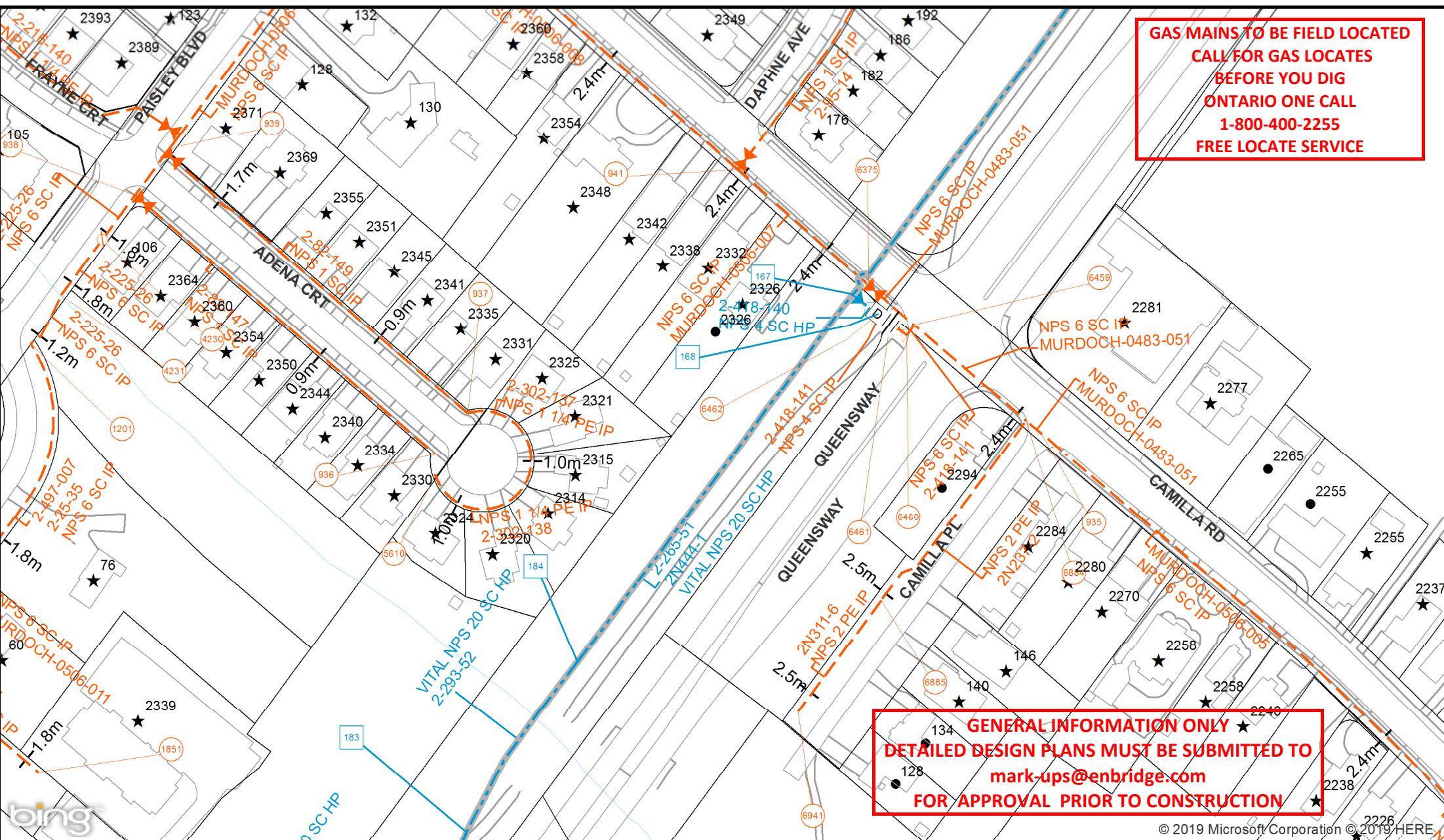
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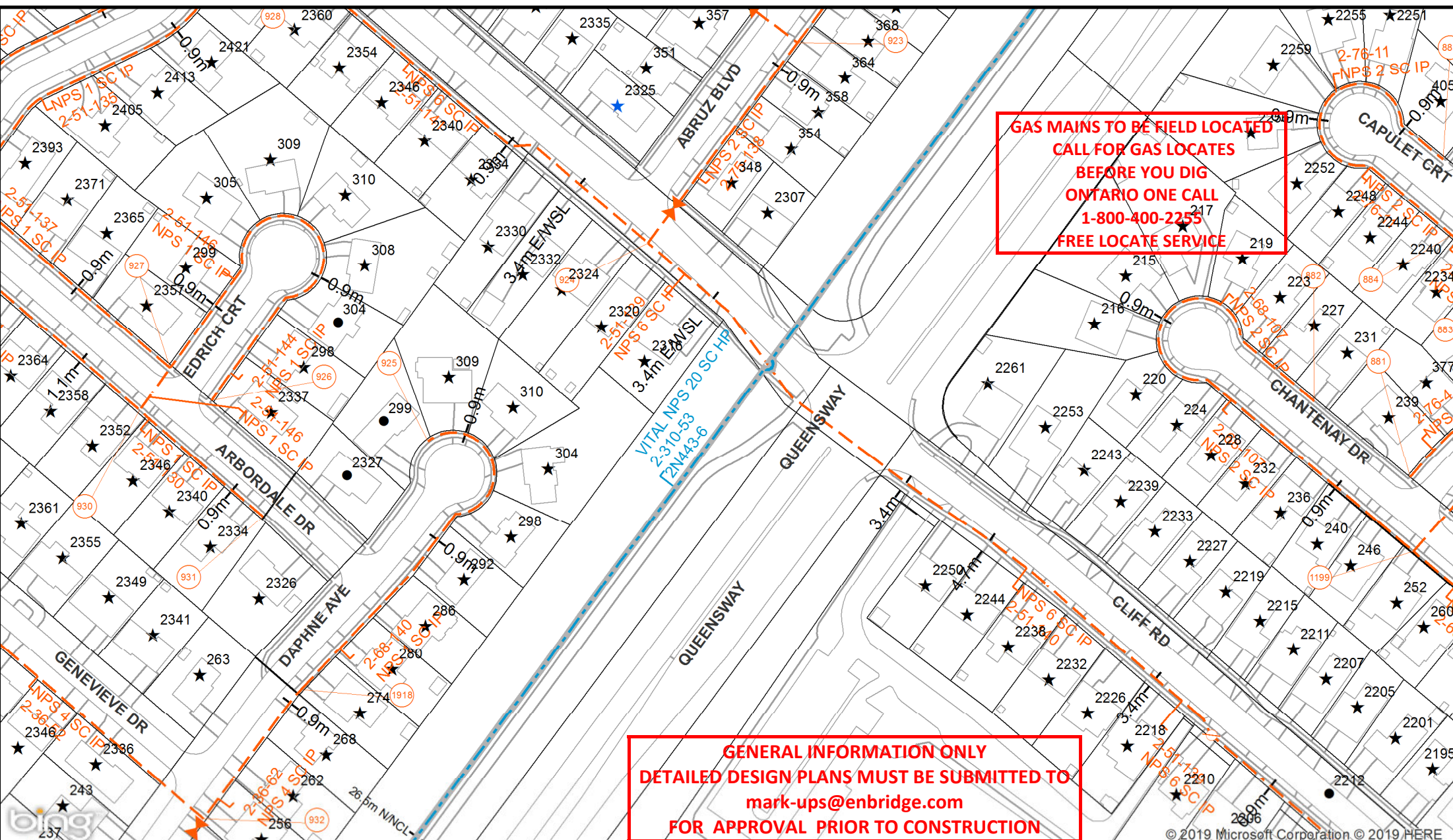
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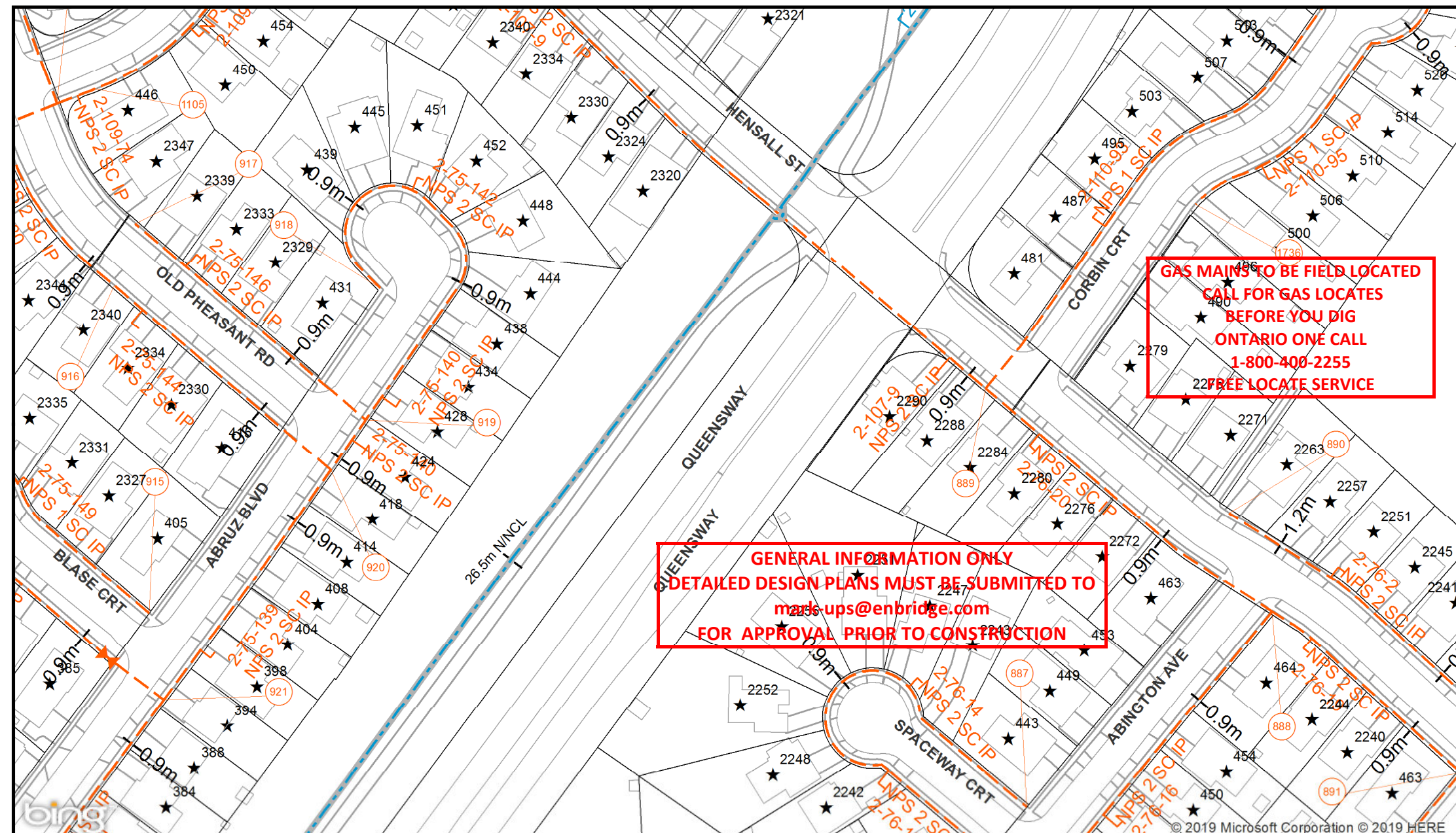
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mads-ups@enbridge.com
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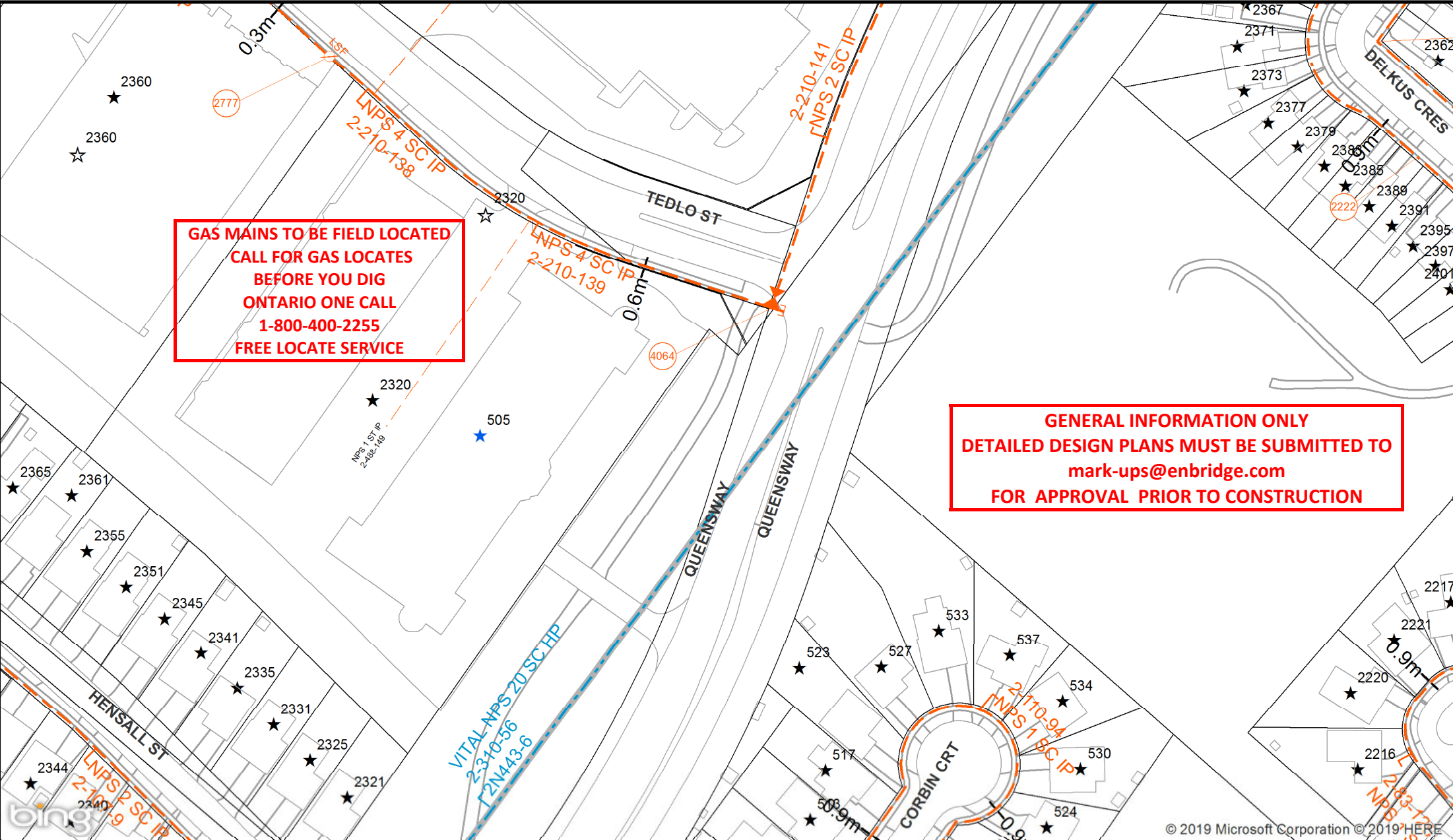
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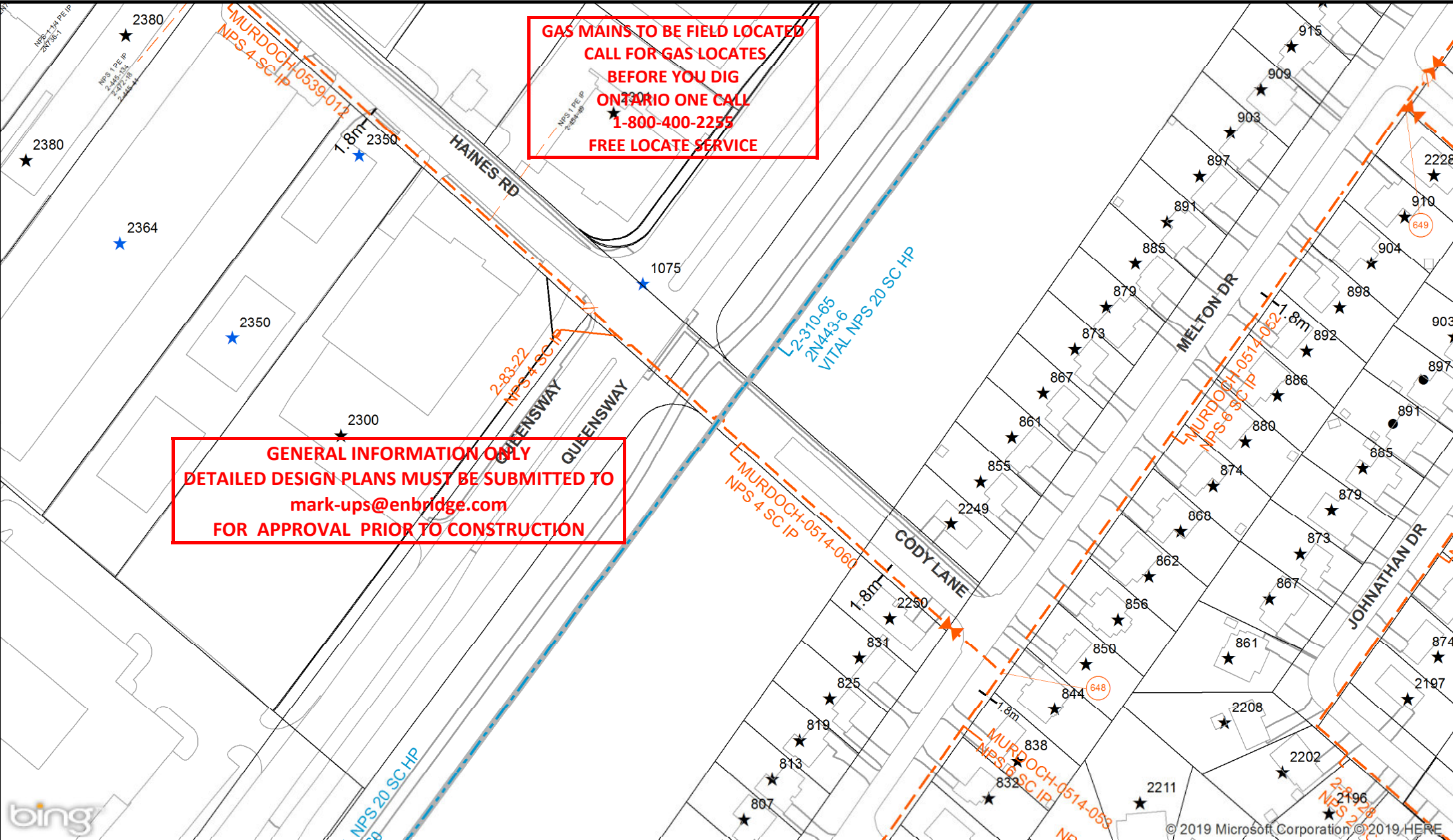
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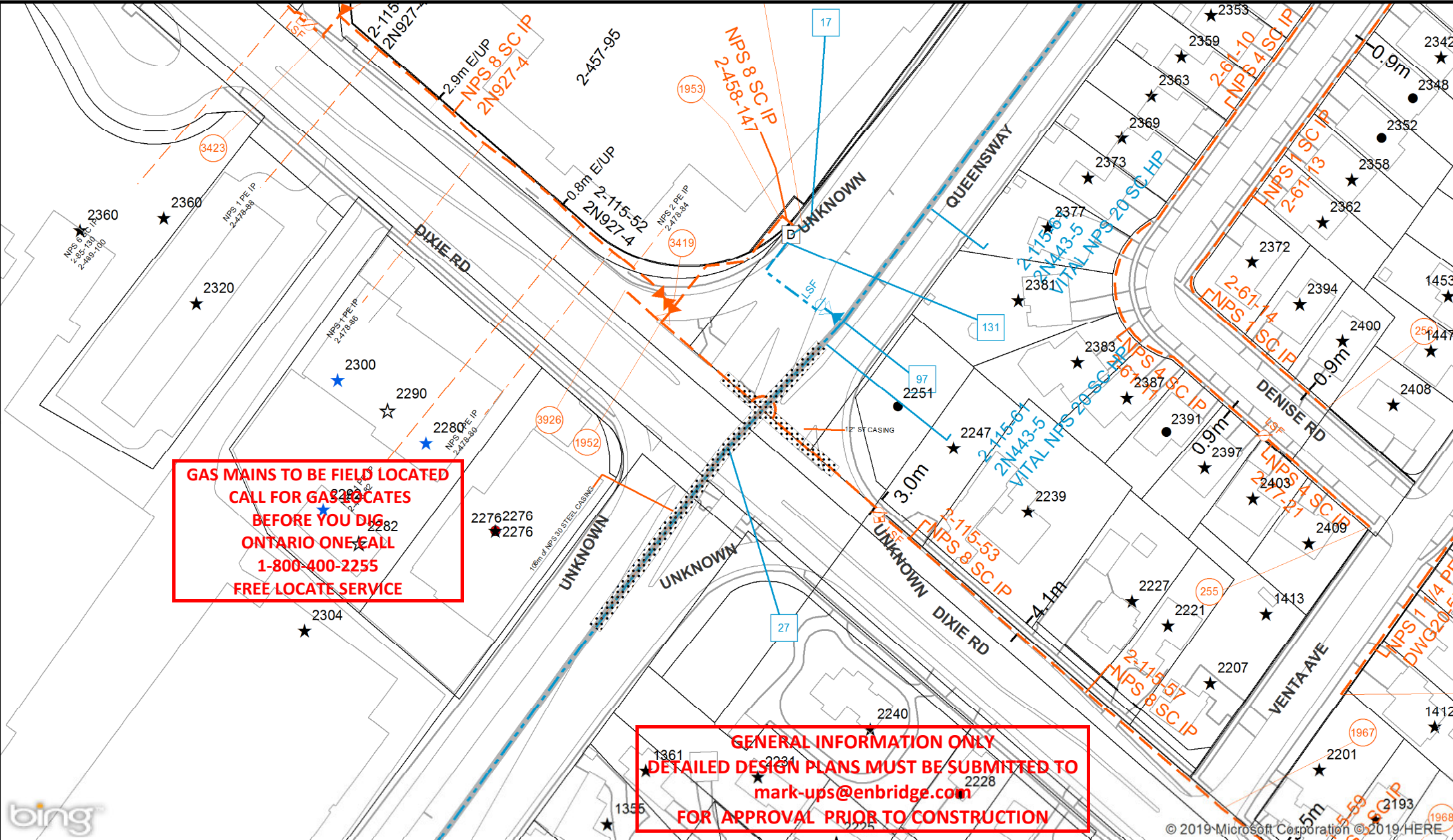
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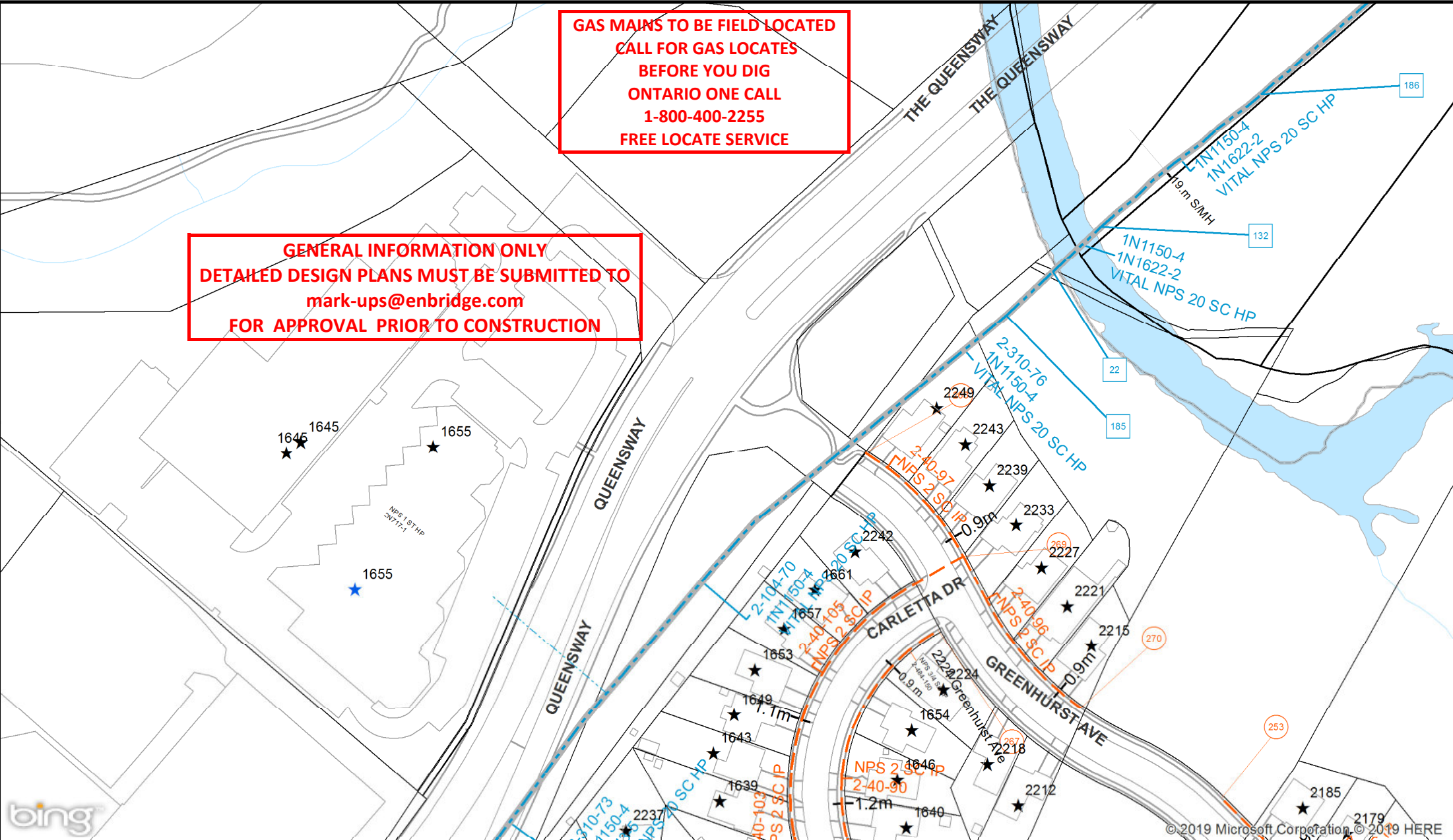


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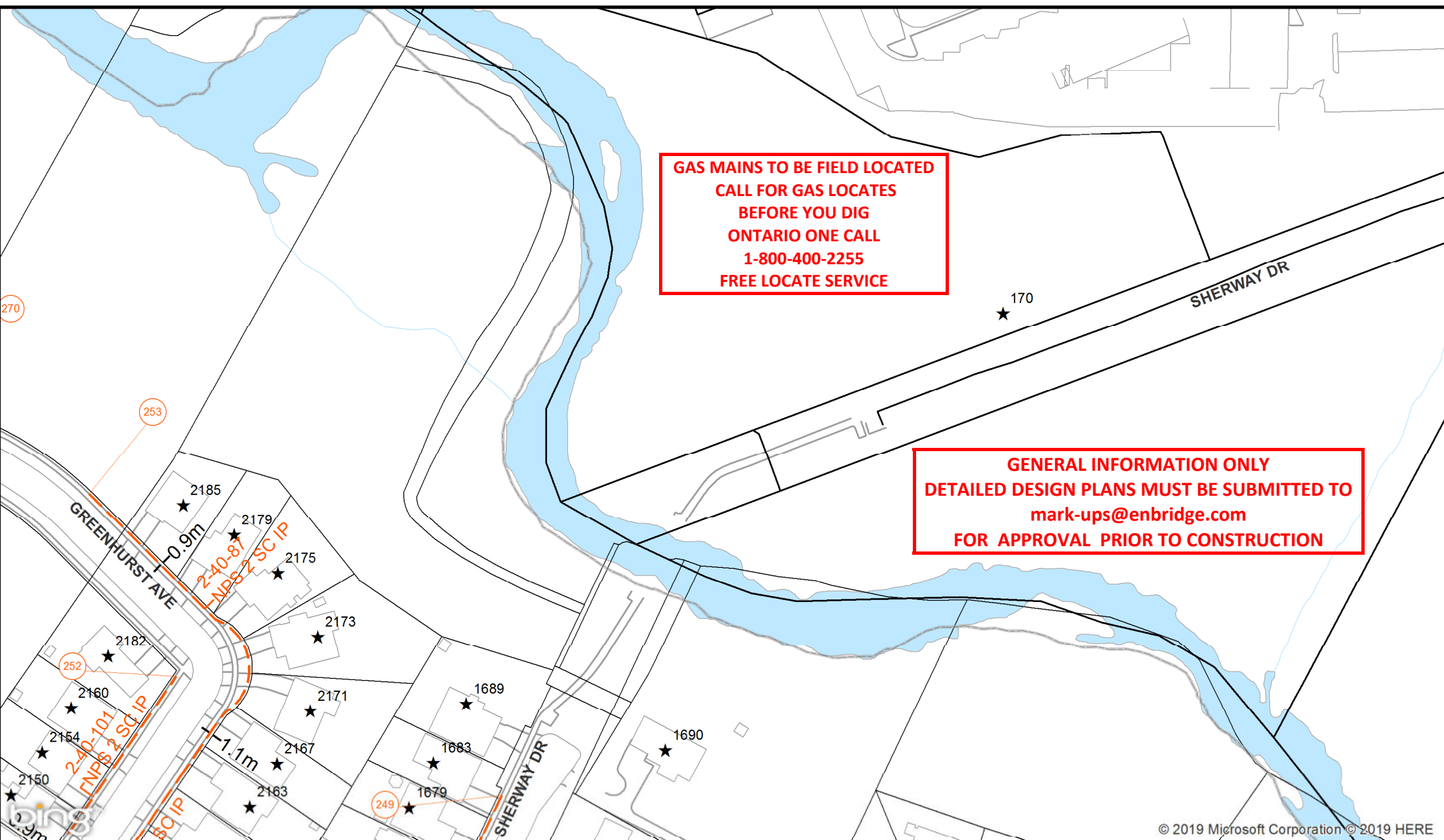


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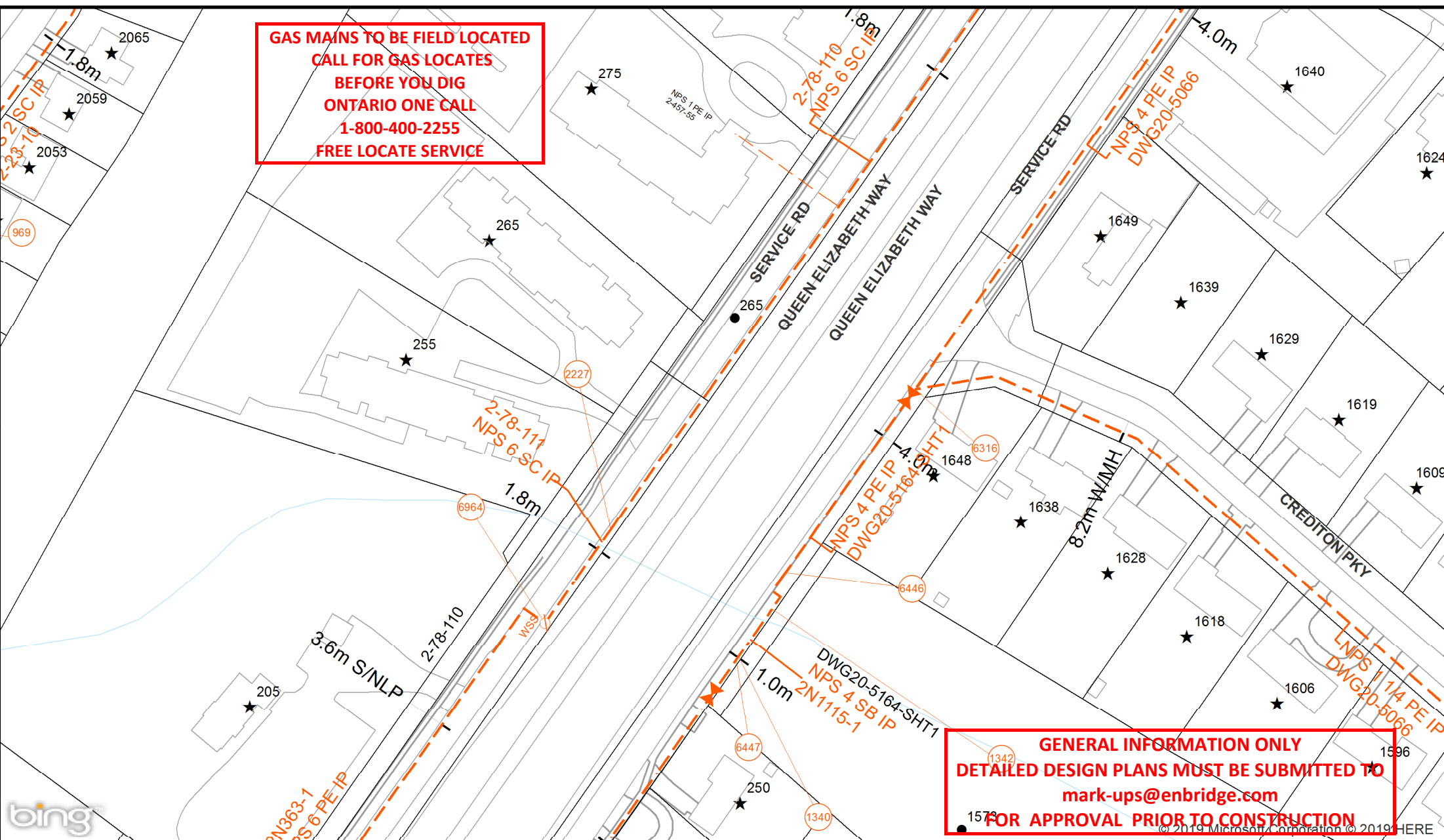


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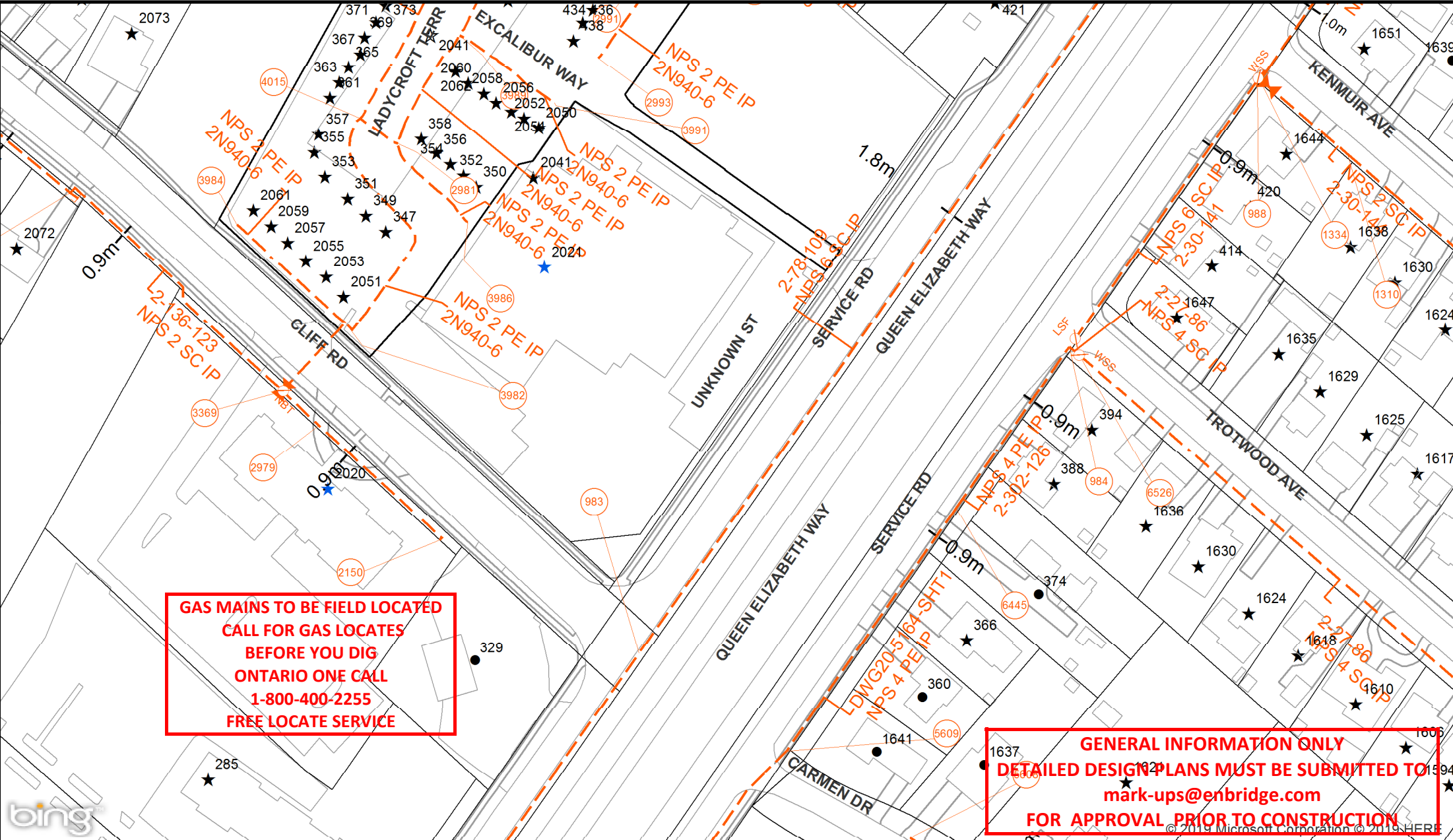
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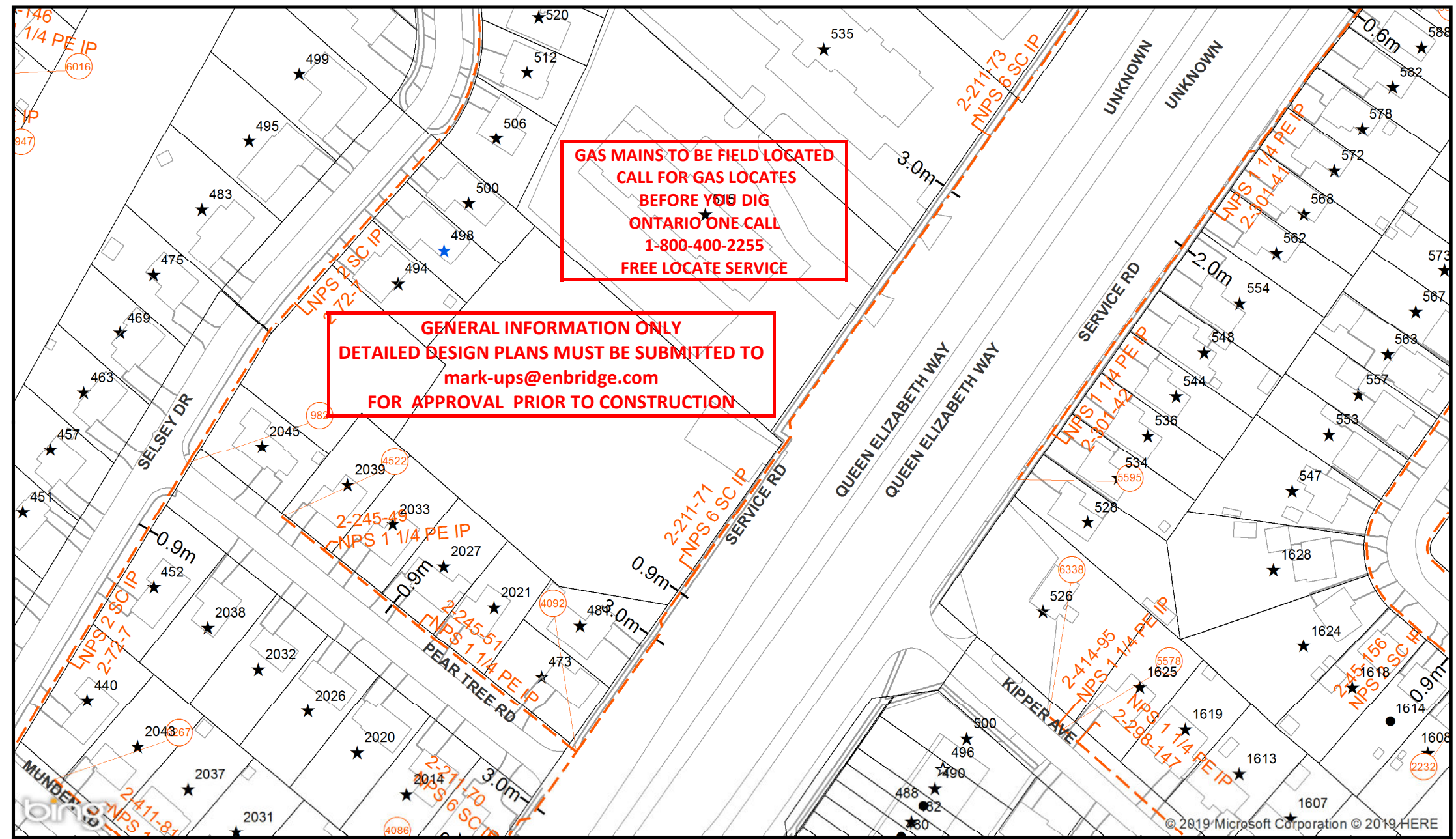
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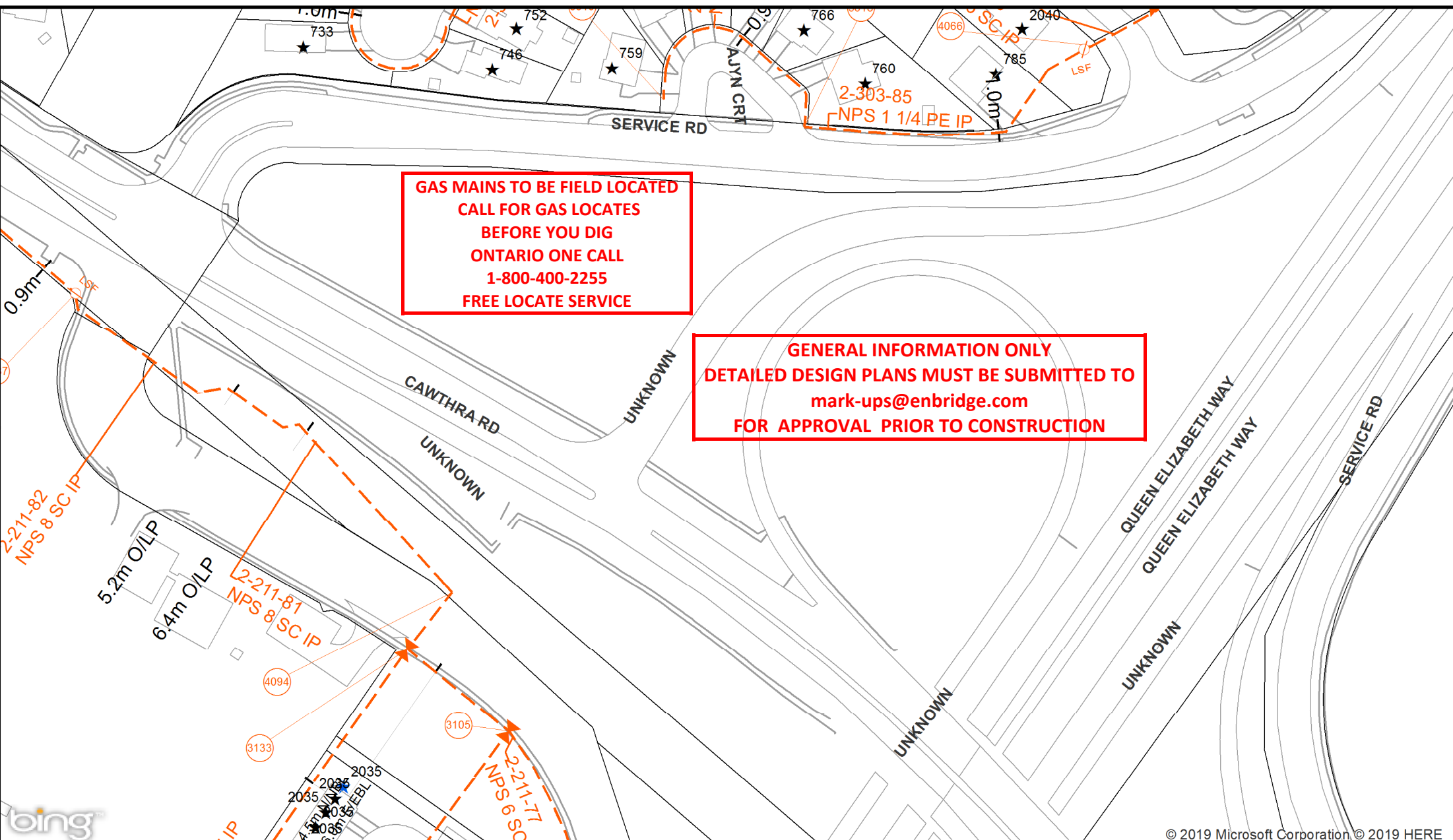
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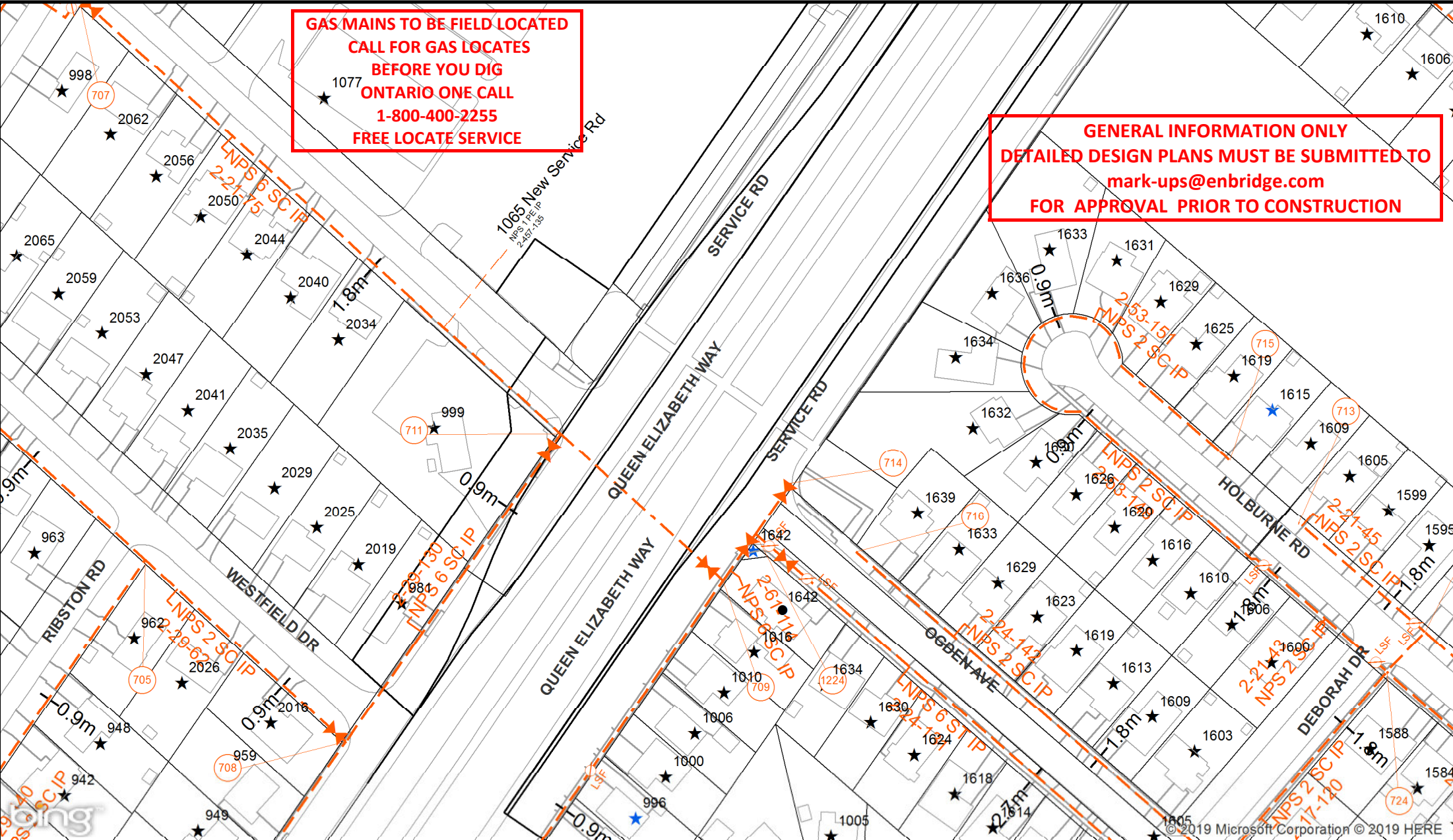


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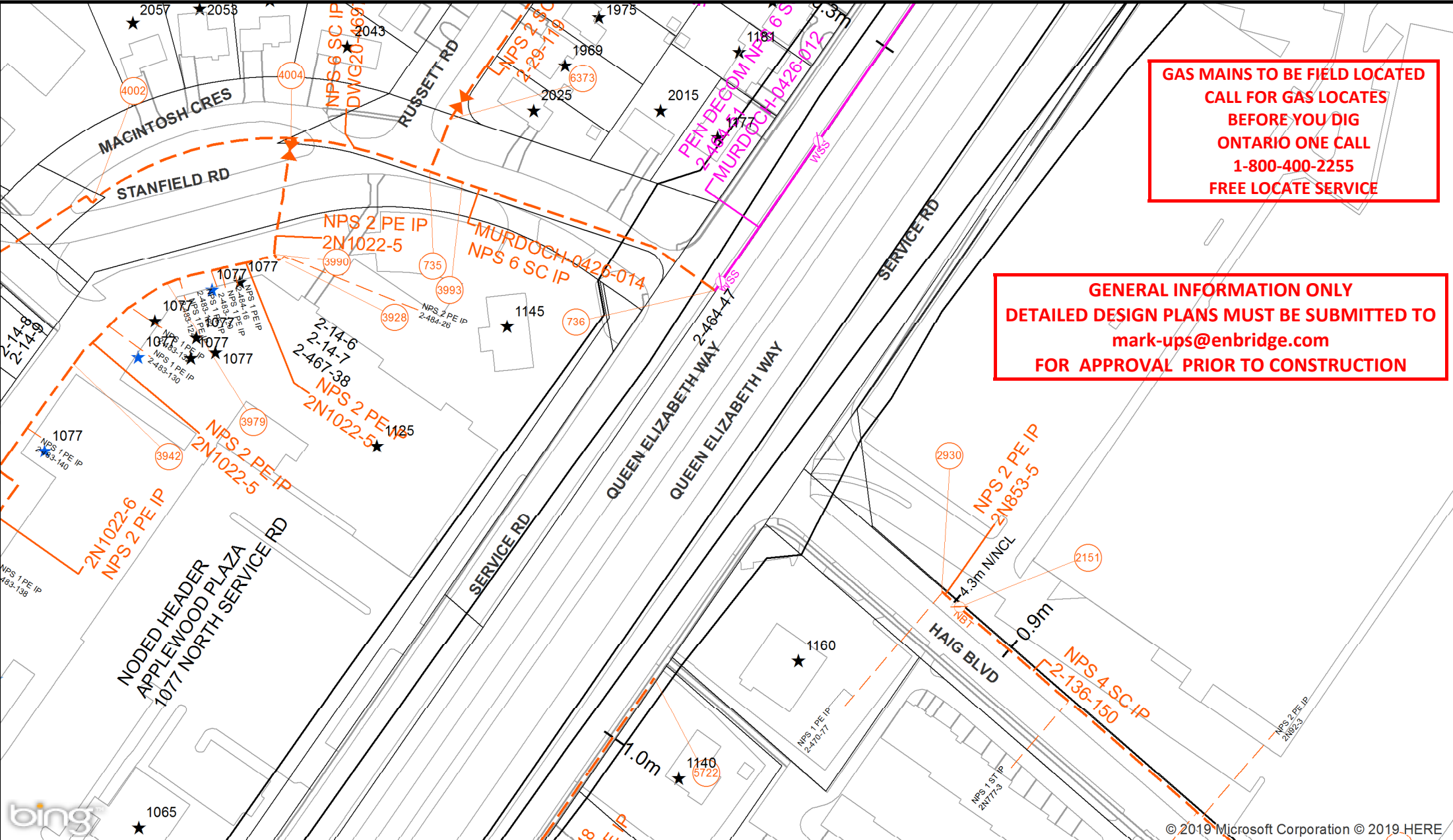
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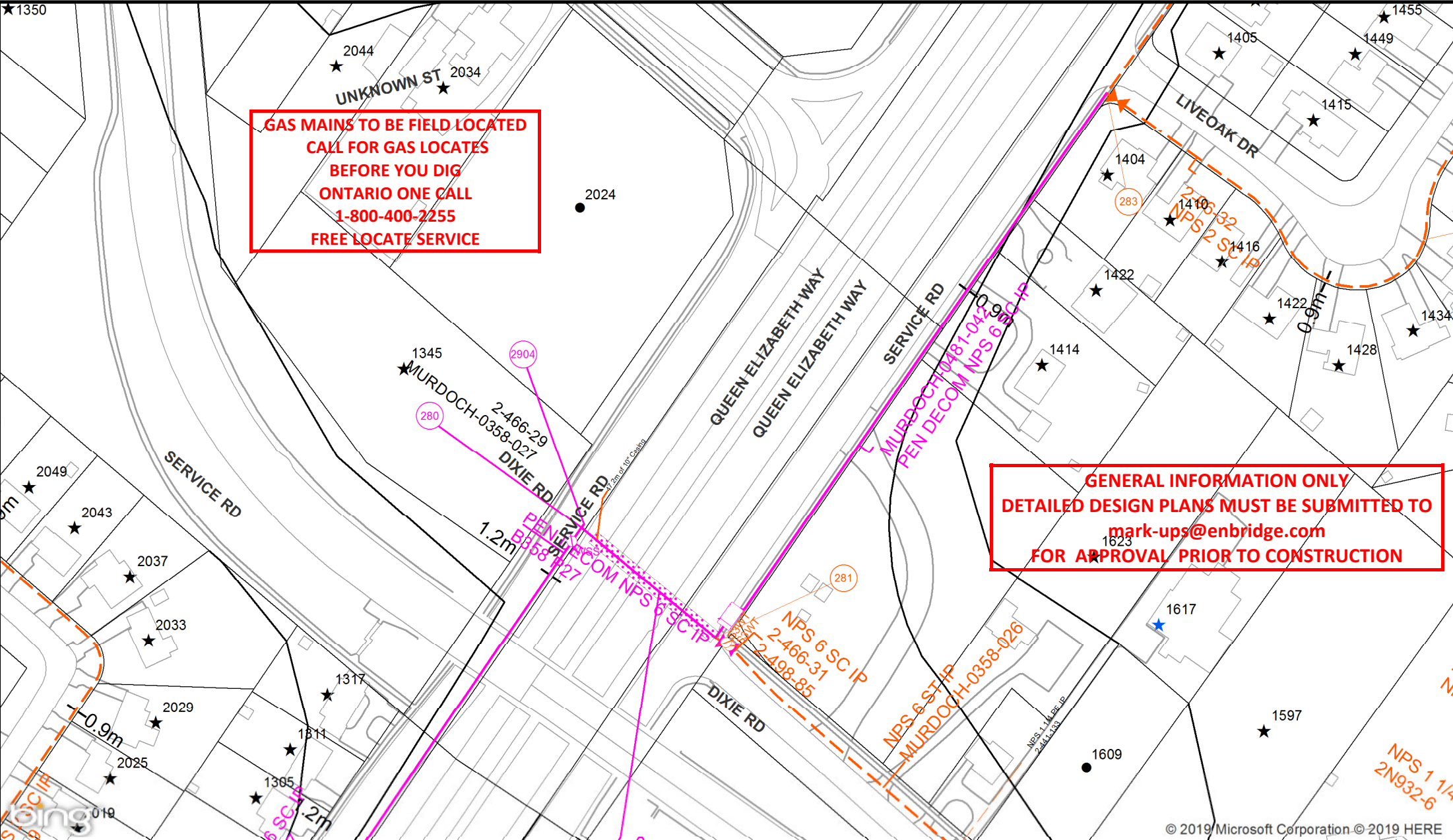
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Third Party Requirements in the Vicinity of Natural Gas Facilities

Revision History

Version	Date	Approval	Revisions
3.1	2018-Jul-25	Gonzalo Juarez Manager, Pipeline Engineering	Added new Section 6.0 Hydro-Excavation
3.0	2018-Apr-25	Gonzalo Juarez Manager, Pipeline Engineering	<p>2.1 Work in the Vicinity of Pipelines</p> <ul style="list-style-type: none"> Updated contact numbers. <p>2.2 NEB-regulated Pipelines & Vital Mains</p> <ul style="list-style-type: none"> Added clarity. <p>Table 2-2: Pipeline Location Verification Requirements for NEB-regulated pipelines and Vital Mains</p> <ul style="list-style-type: none"> Clarified requirements. Organized requirements by location of work. <p>Table 2-3: Pipeline Location Verification Requirements for All Other Pipelines</p> <ul style="list-style-type: none"> Clarified requirements. Organized requirements by location of work. <p>2.4 Safe Excavation</p> <ul style="list-style-type: none"> Emphasized requirement that within 1 m (3.3 ft) of the NEB regulated or Vital Main only Hand Digging or hydro-excavation is allowed.

Version	Date	Approval	Revisions
			<p>2.5 Points of Thrust</p> <ul style="list-style-type: none"> Clarified when EGD may require additional time to review the proposed work area. <p>2.6 Minimum Clearance from Other Structures</p> <ul style="list-style-type: none"> Updated captions for Table 2-5, 2-6, and 2-7. Added instruction to consider effects of stray current. Changed requirements for drilling perpendicular to a pipeline that is smaller than NPS 12. <p>2.10 Tree Planting</p> <ul style="list-style-type: none"> Added clarity to installation requirements for root deflectors. Removed inactive link to EGD information on tree planting. <p>4.1 General</p> <ul style="list-style-type: none"> Added clarity to approval requirements for exposed pipelines.

Version	Date	Approval	Revisions
			<p>5.3 Drilling Across Pipelines</p> <ul style="list-style-type: none"> • Changed requirements for drilling perpendicular to a pipeline that is smaller than NPS 12. <p>7.1 General</p> <ul style="list-style-type: none"> • Added clarity. <p>7.2 Notification Requirements</p> <ul style="list-style-type: none"> • Added clarity. • Updated insurance requirements. <p>7.3 Guidelines for Blasting</p> <ul style="list-style-type: none"> • Added clarity. <p>8.3 Guidelines</p> <ul style="list-style-type: none"> • Added clarity. <p>9.0 Appendix</p> <ul style="list-style-type: none"> • Updated contact information. Added URL for Click Before You Dig.

Version	Date	Approval	Revisions
2.1	2015-Sep-30	Gonzalo Juarez Senior Engineering Construction & Maintenance	<p>2.2 NEB Pipelines & Vital Mains</p> <ul style="list-style-type: none"> Added requirement for new NPS 42 Vital Main for GTA project, EGD's approval is required for all work within 30 m of the pipeline. <p>2.3 Pipeline Location Verification</p> <ul style="list-style-type: none"> Table 2-2, 2-3, 2-4 and 2-5. Added specific pipeline verification requirement for horizontal directional drilling. <p>5.1 General</p> <ul style="list-style-type: none"> Added additional daylight hole requirement for horizontal directional drilling. <p>5.2 Drilling Parallel to Pipelines</p> <ul style="list-style-type: none"> For drilling parallel to the pipeline, changed distance requirement to be measured from the side of the pipeline instead of locate marks. <p>5.3 Drilling Across Pipelines</p> <ul style="list-style-type: none"> Added additional daylight hole requirement and diagram, for horizontal directional drilling.

Version	Date	Approval	Revisions
2.0	2018-Apr-10	Nick Thalassinos Chief Engineer	<p>2.0 General Requirements</p> <ul style="list-style-type: none"> • Added requirements for clearance for Vital Mains and NEB regulated pipelines. • Added daylight hole requirements • Updated clearance requirements. <p>3.0 Operation of Heavy Equipment</p> <ul style="list-style-type: none"> • Added Section 3.4 Damage to Enbridge Gas Distribution's Facilities. <p>5.0 Horizontal Directional Drilling</p> <ul style="list-style-type: none"> • New section. <p>6.0 Backfilling</p> <ul style="list-style-type: none"> • New section. <p>Appendix</p> <ul style="list-style-type: none"> • Updated contact numbers.
1.0	2007-Oct-01	Rob Fox Chief Engineer	Initial release.

Table of Contents

Revision History	i
Introduction	1
1.0 Definitions	2
2.0 General Requirements	4
3.0 Operation of Heavy Equipment	14
4.0 Support of Gas Pipelines	16
5.0 Horizontal Directional Drilling	22
6.0 Hydro-Excavation	26
7.0 Backfilling	28
8.0 Blasting Requirements	30
9.0 Pile Installation Or Compaction Requirements	35
10.0 Appendix	42

Introduction

This document is intended for anyone involved in planning or carrying out work in the vicinity of Enbridge Gas Distribution's (EGD) network. It summarizes the requirements to be followed and specifies the technical requirements aimed at protecting EGD's Facilities, and by extension, ensuring public and worker safety.

These Requirements supersede the prior version of EGD's *Third Party Requirements in the Vicinity of Natural Gas Facilities*, version 2.1 (2015). Version 3.0 (2018) is effective on June 6, 2018. Within this document, "Third Party" refers to an individual or organization that is not employed by or performing work under contract to EGD. These Requirements are applicable to work done by individuals such as homeowners, other utility companies, Excavators, Constructors, and Contractors.

Third Parties must follow the regulations and legislation applicable to their work in addition to these Requirements. It is understood that all legal provisions applicable to work carried out around natural gas Facilities take precedence over this document.

The terms "gas lines", "gas pipelines", and "mains" used throughout this document apply equally to natural gas mains and service lines, as well as any other component of the EGD's natural gas distribution system found on public or private land.

Note: The latest revision of this manual is available for download at <https://www.enbridgegas.com/~media/Extranet-Pages/Safety/Before-you-dig/Third-Party-Requirements-in-the-Vicinity-of-Natural-Gas-Facilities>.

1.0 Definitions

Terms used in the following document are defined as follows:

Applicant: The owner of the proposed work.

Blaster: The person or persons responsible for setting the charges and performing the blast.

Blasting, Surface: An operation involving the excavation of rock foundations for various types of structures, grade construction for highways or railroads, or canals (trenches) for water supply or collection purposes.

Blasting, Tunnel: Operations involving the piercing of below ground (generally horizontal) opening in rock.

Compaction: Any vibration generating operation which will result in a potential increase of the density of soils or controlled backfill materials. The means to increase the density may be static or dynamic.

Constructor: A person who undertakes a project for an owner and includes an owner who undertakes all or part of a project by himself or by more than one employer (as defined by Occupational Health & Safety Act).

Contractor or Excavator: Any individual, partnership, corporation, public agency, or other entity that intends to dig, bore, trench, grade, excavate, hammer into, or break ground with mechanical equipment or explosives in the vicinity of a gas pipeline or related Facility.

Enbridge Gas Distribution (EGD): EGD refers to Enbridge Gas Distribution Inc., Enbridge Gas New Brunswick LP, Gazifère Inc., St. Lawrence Gas Company Inc., Niagara Gas Transmissions Limited, 2193914 Canada Limited.

Facility: Any Enbridge Gas Distribution main, service, regulator station or storage Facility and its related components.

Ground Disturbance: Activities associated with mechanical excavation, hydro-excavation, directional drilling, blasting, piling, Compaction, boring, ploughing, grading, backfilling and Hand Digging.

Hand Dig: To excavate using either a shovel with a wooden or fiberglass handle, or using hydro vacuum excavation equipment. The

use of picks, bars, stakes or other earth piercing devices are not considered Hand Digging.

Independent Engineering Consultant: A Professional Engineer who is registered with the provincial or state Professional Engineering association and a holder of a Certificate of Authorization (C of A).

Locate Service Provider: Any entity that performs locates under the terms of a Locate Service Agreement.

Mark-ups: The formal review process used by infrastructure owners to evaluate and comment on proposed designs.

Pile: Any vertical or slightly slanted structural member introduced or constructed in the soil in order to transmit loads and forces from the superstructure to the subsoil; the structural member can also be used as a component of a retaining wall system.

Pile Driving: The placement of piles carried out by gravity hammer, vibratory hammer, auger, pressing, screwing or any combinations of the above methods.

Professional Engineer: An engineer registered and licensed with the provincial or state Professional Engineering Association in the jurisdiction in which the engineer is practicing.

Temporary Support: The support of gas pipelines before or during an excavation to protect the pipeline from its own weight; minimize deflection stresses.

Third Party: An individual or organization that is not employed by or performing work under contract to EGD (e.g. homeowners, other utility companies, Contractor, Excavators, Constructor etc.).

Vital Main: A subset of mains consisting of NEB-regulated (National Energy Board) pipelines, and select distribution pipelines.

2.0 General Requirements

2.1 Work in the Vicinity of Pipelines and Related Infrastructure

All work in the vicinity of gas Facilities must adhere to the requirements set forth in this document. Work includes, but is not limited to, any Ground Disturbance in the vicinity of Facilities or equipment crossing. Ground disturbance includes, but is not limited to, activities associated with mechanical excavation, hydro-excavation, directional drilling, blasting, piling, Compaction, boring, ploughing, grading, backfilling and Hand Digging. Locates are required before Ground Disturbance takes place.

A locate of the Facilities must be requested at least five (5) business days prior to beginning any work.

Table 2-1 Locate Contact Information

Area	Utility	Locates
Ontario	Enbridge Gas Distribution Inc.	Ontario One Call: www.on1call.com
Quebec	Gazifère	Info Excavation: www.info-ex.com
New Brunswick	Enbridge Gas New Brunswick	EGNB: 1-800-994-2762
New York	St. Lawrence Gas	Dig Safely New York: Dial 811

2.2 NEB-regulated Pipelines & Vital Mains

The NEB regulates natural gas, oil and commodity pipelines that extend beyond provincial, territorial or national boundaries. All work in the prescribed area (within 30 m (100 ft) from each side of the right of way of a NEB-regulated pipeline) must be reviewed by the applicable NEB-regulated operating company prior to commencing. This review is a regulatory requirement of the NEB.

Mains are designated as Vital Mains by EGD. The designation of pipelines as Vital Main may change at the discretion of EGD.

For the Enbridge Gas Distribution Inc. NPS 42 Vital Main, all work within 30 m (100 ft) from either side of the Vital Main must be approved

by EGD prior to commencing. For all other Vital Mains, all Ground Disturbance work within 3 m (10 ft) from either side of the Vital Main, must be approved by EGD prior to commencing. Approval by EGD may include specific conditions that Third Parties must follow. EGD may require representation on site for any Ground Disturbance work within the vicinity of Vital Main and NEB-regulated pipelines.

<p>NEB Vital Main</p>	<p>NEB-regulated pipelines and Vital Mains will be identified through locates and the Mark-Ups process. In these Requirements, special considerations for NEB-regulated pipelines and Vital Mains will be highlighted.</p>
------------------------------	--

2.3 Pipeline Location Verification

Table 2-2 Pipeline Location Verification Requirements for NEB-regulated Pipelines and Vital Mains and Table 2-3 Pipeline Location Verification Requirements for All Other Pipelines indicates EGD’s minimum requirements for the verification of the pipeline location based on the nature of work. The frequency and location of test holes may change at the discretion of EGD. Additional test holes may be required to sufficiently confirm the location of the pipeline.

When using hydro-excavation as an alternative to Hand Digging, refer to Section 6.0: Hydro-Excavation for safe operating practices.

Note: For all pipelines (including NEB-regulated pipelines and Vital Mains), when drilling parallel to the pipeline, a minimum horizontal clearance of 1 m (3.3 ft) is required.

When crossing perpendicular to a pipeline that is smaller than NPS 12 (excluding NEB-regulated pipelines or Vital Mains), the vertical clearance outlined in Table 2-5 Minimum Clearance Between Gas Pipelines (Less than NPS 12) and Other Underground Structures may be used as long as all daylighting requirements are also followed.

When crossing perpendicular to a pipeline that is NPS 12 or larger, or crossing any NEB-regulated pipelines or Vital Mains, a minimum vertical clearance of 1 m (3.3 ft) is required. See Section 5.0: Horizontal Directional Drilling.

Table 2-2 Pipeline Location Verification Requirements for NEB-regulated Pipelines and Vital Mains

Location of Work Relative to Pipeline	Required Verification of Pipe Location by Hand Digging or Hydro-Excavation
Work within 3 m (10 ft) but not crossing main	Top and sides of pipeline
Work parallel to pipe, within 1 m (3.3 ft) of edge of pipe	Spacing of test holes must not exceed 4.5 m (15 ft)
Work parallel to pipe, 1 m - 3 m (3.3 ft - 10 ft) from edge of pipe	Spacing of test holes must not exceed 10 m (33 ft)
Crossing below pipeline (open excavation)	Top and sides of pipeline, and 0.6 m (2 ft) below the pipeline
Crossing above pipeline (open excavation)	Top and sides of pipeline, or 0.6 m (2 ft) below the proposed installation

Table 2-3 Pipeline Location Verification Requirements for All Other Pipelines

Location of Work Relative to Pipeline	Required Verification of Pipe Location by Hand Digging or Hydro-Excavation
Work within 3 m (10 ft) but not crossing pipeline	Top and sides of pipeline
Work parallel to pipe, within 1 m (3.3 ft)	Spacing of test holes must not exceed 4.5 m (15 ft)
Work parallel to pipe, 1 m - 3 m (3.3 ft - 10 ft) from edge of pipe	Spacing of test holes must not exceed 10 m (33 ft)
Crossing below pipeline (open excavation)	For less than NPS 12: all sides of the pipeline including 0.3 m (1 ft) below the pipeline
	For NPS 12 and larger: all sides of the pipeline including 0.6 m (2 ft) below the pipeline

Table 2-3 Pipeline Location Verification Requirements for All Other Pipelines

Location of Work Relative to Pipeline	Required Verification of Pipe Location by Hand Digging or Hydro-Excavation
Crossing above pipeline (open excavation)	For less than NPS 12: Top of pipeline and all sides of the pipeline, or 0.3 m (1 ft) below the proposed installation
	For NPS 12 and larger: Top of pipeline and all sides of the pipeline, or 0.6 m (2 ft) below the proposed installation

Table 2-4 Pipeline Location Verification and Clearance Requirements for HDD for all Pipelines (including NEB and Vital Mains)

Location of Work Relative to Pipeline ^a	Required Verification of Pipe Location by Hand Digging or Hydro-Excavation
Crossing below pipeline (HDD)	<p>All sides of pipeline (including below pipeline) exposed to 1.0 m (3.3 ft) from the pipeline’s sidewalls.</p> <p>Additional daylight hole at 2.0 m to 4.0 m (6.6 ft to 13.1 ft) prior to the daylight hole at the crossing, to verify depth and trajectory of drill head and backreamer.</p>
Crossing above pipeline (HDD)	<p>Top of pipeline and all sides exposed to 1.0 m (3.3 ft) or 1.0 m (3.3 ft) below the proposed installation.</p> <p>Additional daylight hole at 2.0 m to 4.0 m (6.6 ft to 13.1 ft) prior to the daylight hole at the crossing, to verify depth and trajectory of drill head and backreamer.</p>

a. See Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains).

2.4 Safe Excavation

NEB Vital Main	Mechanical excavation is not permitted within 3 m (10 ft) of NEB-regulated pipelines or Vital Mains, unless verified visually. After the exact location of the main is verified visually, mechanical excavation is allowed up to 1 m (3.3 ft) from the pipeline. Within 1 m (3.3 ft) of the NEB-regulated or Vital Main, only Hand Digging or hydro-excavation is allowed.
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For all other pipelines (excluding NEB-regulated and Vital Mains), mechanical excavation is not allowed within 1 m (3.3 ft) of the locate marks of the pipeline, until the exact location of the pipeline has been visually verified. The Excavator must expose the pipeline by Hand Digging or hydro-excavation. Once the pipeline is exposed, mechanical excavation is then permitted up to 0.3 m (1 ft) from the pipeline. Within 0.3 m (1 ft) of any pipeline, only Hand Digging or hydro-excavation is permitted.

Only hand held Compaction equipment may be used within 1 m (3.3 ft) of the sides or top of all gas pipelines.

Spoil from excavation must not be piled on the pipeline or its easement.

2.5 Points of Thrust

Additional precautions may need to be taken when working in the vicinity of points of thrust. Points of thrust occur at pipeline fittings such as elbows (45° or 90°), end caps, weld tees, reducers, closed valves, and reduced port valves. If a point of thrust is identified through the locate process, EGD may require additional time to review the proposed work area. In the event that the excavation involves exposing a point of thrust or exposing an area near a point of thrust, EGD may provide written specific instructions that are to be followed. Failure to follow these instructions can result in significant harm to persons, property and the environment.

2.6 Minimum Clearance from Other Structures

The following clearances must be maintained between the circumference of the gas pipeline and other underground structures:

Table 2-5 Minimum Clearance Between Gas Pipelines (Less than NPS 12) and Other Underground Structures

Direction	Minimum Clearance m (ft)
Horizontal	0.6 m (2 ft)
Vertical	0.3 m (1 ft)

Table 2-6 Minimum Clearance Between Gas Pipelines (NPS 12 and larger) and Other Underground Structures

Direction	Minimum Clearance m (ft)
Horizontal	0.6 m (2 ft)
Vertical	0.6 m (2 ft)

Table 2-7 Minimum Clearance Between NEB-regulated pipelines and Vital Mains and Other Underground Structures

Direction	Minimum Clearance m (ft)
Horizontal	1 m (3.3 ft)
Vertical	0.6 m (2 ft)

When crossing EGD’s pipelines, all proposed installations must be installed as close to a 90° angle as possible.

Additional clearance or mitigation may be required for installations (such as transit systems or power transformers) that will introduce DC stray current interference or AC fault hazards.

Note: For all pipelines (including NEB-regulated pipelines and Vital Mains), when drilling parallel to the pipeline, a minimum horizontal clearance measured from the edge of the pipeline to the edge of the final bore hole of 1 m (3.3 ft) is required.

When drilling across pipelines that are smaller than NPS 12 (excluding NEB-regulated pipelines and Vital Mains), the vertical clearance, measured from the edge of the pipeline and the edge of the final bore hole, may follow the vertical clearance outlined in Table 2-5 Minimum Clearance Between Gas Pipelines (Less than NPS 12) and Other Underground

Structures as long as all daylighting requirements are also followed.

When drilling across pipelines that are NPS 12 or larger, or crossing any NEB-regulated pipelines or Vital Mains, a minimum vertical clearance, measured from the edge of the pipeline to the edge of the final bore hole, of 1 m (3.3 ft) is required. See Section 5.0: Horizontal Directional Drilling.

Table 2-8 Minimum Cover Requirements

	Location	Min. Cover m (ft)
Mains	Under traveled surfaces (roads), Road Crossings	1.2 m (4 ft)
	Right-of-way	1 m (3.3 ft)
	Highways	1.5 m (5 ft)
	Railways – Cased	1.7 m (5.5 ft)
	Railways – Uncased	3.1 m (10 ft)
	Below drainage and irrigation ditch	1 m (3.3 ft)
Services	Private property	0.5 m (1.6 ft)
	Streets and Roads	0.9 m (2.9 ft)

2.7 Blasting, Pile Installation, and Compaction

Blasting, Pile installation or Compaction activities in the vicinity of EGD’s Facilities require the prior approval of EGD.

Written notification from the owner of the proposed work must be submitted to EGD at the contact information listed in the Appendix. The request must be submitted a minimum of four (4) weeks prior to beginning work to allow sufficient time for review. See Section 8.0: Blasting Requirements, and Section 9.0: Pile Installation Or Compaction Requirements, for specific responsibilities.

<p>NEB Vital Main</p>	<p>Piles within 3.0 m (10 ft) of NEB-regulated pipelines and Vital Main must be installed using an auger, unless otherwise approved by EGD.</p> <p>Vibration and displacement monitoring must be conducted, and communicated to EGD daily. Work must stop if the peak particle velocity exceeds 50 mm/sec (2 in./s) or displacement exceeds 50 mm (2 in.).</p> <p>The use of an auger will not be permitted within 1 m (3.3 ft) of a NEB-regulated pipeline or Vital Main, unless approved by EGD.</p>
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2.8 Repair of Damaged Pipe and Pipe Coating

In all cases where the pipeline or the pipeline coating is damaged by construction activities, contact EGD immediately and leave the excavation open until EGD personnel have made the necessary repairs.

2.9 Encroachment

Permanent awnings and roof structures are prohibited above EGD’s Facilities within the public right-of-way, or EGD’s right-of-way. EGD will not accept responsibility for any damages resulting from maintenance or operation of its Facilities to encroaching structures within the public or EGD right-of-ways. Example of encroaching structure may include: bus shelters, street benches or garbage bins.

EGD requires that all permanent structures be built a minimum of 7 m (22.9 ft) away from EGD’s Vital and NEB-regulated pipelines and Vital Mains, unless otherwise approved by EGD. This requirement is in place as to allow EGD sufficient access and working space should an inspection or repair be needed.

2.10 Tree Planting

When planting trees, the gas pipeline in and near the area of excavation must be located to ensure sufficient clearance is maintained between the pipeline and the tree.

<p>NEB Vital Main</p>	<p>For pipelines regulated by the NEB-regulated pipelines and Vital Mains, trees or large shrubs must have a minimum horizontal clearance between the edge of the root ball or open bottom container and adjacent edge of the existing pipeline of not less than 2.5 m (8 ft).</p>
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For all other pipelines (excluding NEB-regulated pipelines and Vital Mains), a minimum horizontal clearance of 1.2 m (4 ft) is recommended between the edge of the root ball or open bottom container and adjacent edge of the existing gas pipeline.

In cases where the recommended clearance cannot be achieved, EGD may specify the installation of a root deflector.

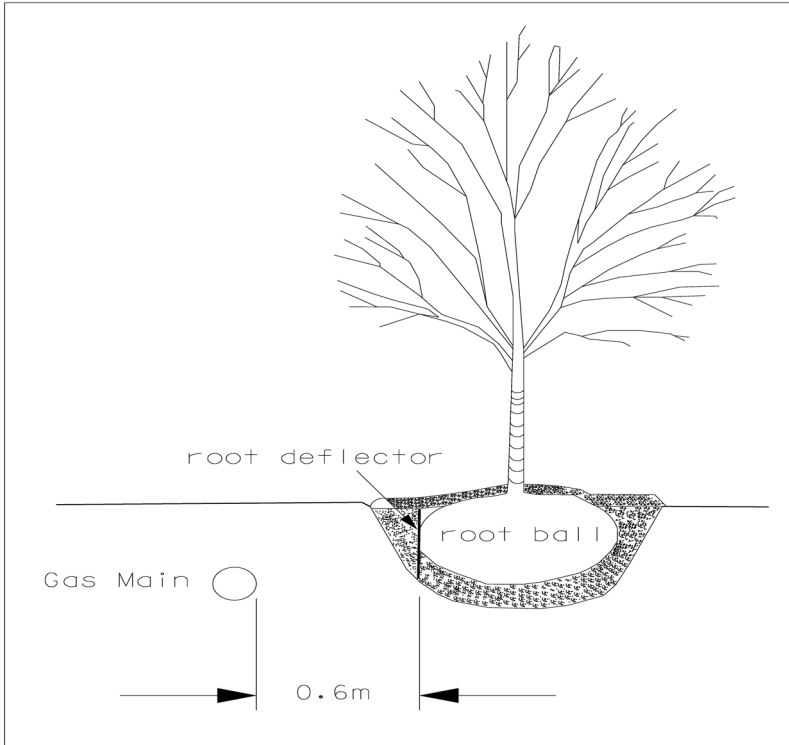
Root Deflectors

A root deflector is a physical barrier placed between tree roots and pipelines to prevent damage to the pipelines. A root deflector can be made from ¼ in. thick rigid plastic, fiberglass or other non-degradable material. The root deflector is intended to prevent the root tips from attaching to the gas main.

Typically, root deflectors are straight barriers or encircle the tree. If installed as a straight barrier, the root deflector should be installed 0.6 m (2 ft) from the pipeline on the tree-side of the pipeline. Also, it should extend parallel to the pipeline in both directions for 1.2 m (4 ft) measured from the center of the tree trunk.

Root deflectors usually have a collar to keep the top of the deflector at ground level, and extend down to the bottom of the root-ball as shown in Figure 2-1 Example of a Root Deflector.

Figure 2-1 Example of a Root Deflector



3.0 Operation of Heavy Equipment

3.1 General

Additional precautions are necessary when equipment in excess of the weights listed in Table 3-1 Vehicle Load Restrictions is operated in the vicinity of buried Facilities where no pavement exists or where grading operations are taking place.

Table 3-1 Vehicle Load Restrictions

Pipe Material	Weight/Axle Maximum Allowable Load kg (lb)
Plastic	7,000 kg (15,400 lb)
Steel	10,000 kg (22,046 lb)

Prior to any crossing, the location of the gas main must first be staked out by an EGD representative.

The Excavator is responsible for confirming the location and depth of the main. Test hole spacing must not exceed 50 m (160 ft).

3.2 Equipment Moving Across the Pipeline

Crossing locations for heavy equipment must be kept to a minimum.

The crossing locations must be determined by EGD after reviewing:

- The nature of the construction operation
- The types and number of equipment involved
- The line and depth of the existing gas main

The use of equipment is contingent upon the review by EGD.

Once the crossing locations have been established, heavy equipment is restricted to crossing at these locations only. It is the responsibility of the Third Party to inform their personnel of the crossing location restrictions.

Pipelines may require additional protection at crossing locations by constructing berms and/or installing steel plates over the pipeline.

Equipment must be operated at “dead-slow” speed when crossing pipelines in order to minimize loading impact. The pipeline must also be crossed at a 90° angle.

3.3 Equipment Moving Along the Pipeline

Heavy equipment can be operated parallel to existing pipelines provided that a minimum offset of 1 m (3.3 ft) is maintained on pipeline sizes less than NPS 12 and 2 m (6.6 ft) on pipeline sizes NPS 12 and larger, unless otherwise directed by EGD.

Only lightweight, rubber-tired equipment may be operated directly over the existing gas pipelines, unless a minimum pipe cover of twice the pipe diameter or 1 m (3.3 ft) (whichever is greater) can be verified. The use of all other equipment is contingent upon review and approval by EGD.

3.4 Damage to Enbridge Gas Distribution's Facilities

If damage to EGD's Facilities occurs, all work must stop and the damage must be reported immediately by calling the Emergency Contact numbers listed in the Section 10.0: Appendix.

4.0 Support of Gas Pipelines

4.1 General

The support requirements specified in this section are the minimum requirements. EGD must be notified regarding the support of any gas main. EGD has complete discretion in the approval of any support system. Additionally, if a pipeline is to be exposed for longer than one month, approval must be sought from EGD and work must follow the requirements outlined in Section 2.0: General Requirements.

Third Parties must not depart from these support requirements unless a Professional Engineer working for or on behalf of the Third Party has designed an alternative method. Any alternative method must be comparable to these specifications and be, in the opinion of the Professional Engineer, consistent with good engineering practices. The alternative specification must be documented, approved by a Professional Engineer and provided to EGD for review prior to the commencement of work.

The Third Party is responsible for the adequate support of the buried gas pipelines exposed during excavation according to this section.

4.2 Support of Gas Pipelines Perpendicular to Excavation

Temporary Support must remain in place until the backfill material underneath the pipeline is compacted adequately to restore support of the pipeline.

Before trenching beneath a main or service, Temporary Support must be erected for pipelines if the unsupported span of pipe in the trench exceeds the length indicated in Table 4-1 Maximum Span without Support Beam.

Note: For pipelines larger than NPS 8, contact EGD. Contact information can be found in the Section 10.0: Appendix.

When Temporary Support is required, Table 4-2 Support Beam Sizes and Maximum Span Between Beam Supports indicates the required beam for a given span. The beam must be a continuous length grade No. 1 Spruce-Pine-Fir (S-P-F) or equivalent. For spans exceeding 4.5 m (15 ft), a continuous length timber beam may not be available. In

that case, steel I-beams (or equivalents) can be used as the support beam. Steel beam selection must be certified by a Professional Engineer.

Table 4-1 Maximum Span without Support Beam

Pipe Size (NPS)	Steel m (ft)	PE (polyethylene) m (ft)
½	2 m (6.6 ft)	1 m (3.3 ft)
¾ to 1¼	2.5 m (8.2 ft)	1.25 m (4.1 ft)
2	3 m (10 ft)	1.5 m (5 ft)
3 to 4	4.5 m (15 ft)	1.75 m (6 ft)
6	6 m (20 ft)	2 m (7 ft)
8	7 m (23 ft)	2 m (7 ft)

Table 4-2 Support Beam Sizes and Maximum Span Between Beam Supports

Pipe Size (NPS)	Steel		PE	
	2 m (6.6 ft)	4.5 m (14.7 ft)	2 m (6.6 ft)	4.5 m (14.7 ft)
½ to 2	Nil	4 × 6	4 × 4	4 × 6
3 to 6	Nil	Nil	4 × 4	6 × 6

The beam must be placed above the pipe with the ends of the beam resting on firm undisturbed soil. The beam must not bear directly on the gas line. The pipe must be supported from the beam with rope, canvas sling, or equivalent in a manner that will prevent damage to the pipe and coating, and eliminate sag. The spacing between the ropes must not exceed 1 m (3.3 ft) (see Figure 4-1 Support of Gas Pipelines Crossing Excavations).

Backfill material underneath the exposed pipeline must be compacted to a minimum of 95% standard Proctor density. Sand padding must be placed to a level 150 mm (6 in.) below and above the main. See Section 7.0: Backfilling for additional details.

Perform Compaction with the loose lift height not exceeding 200 mm (8 in.) or one-quarter of the trench width, whichever is less. Injecting water into the backfill beneath the pipe is not an acceptable method of Compaction.

All Temporary Support on pipelines must be removed before backfilling. Adequate support must remain in place until the backfill material has restored support.

4.3 Support of Pipelines Parallel to Excavation

Trench wall support may not be required for excavations less than 1.2 m (4 ft) deep. In this case, support is not required if the pipeline is at least 0.6 m (2 ft) from the edge of the excavation or outside the 45° line projected upward from the trench bottom (see Figure 4-2 Influence Lines for Gas Pipelines Adjacent to Excavations). If the pipe does not meet these requirements and the soil is soft clay or sand (soil types 3 and 4), the excavation must be suitably shored to prevent movement of the pipe. The shoring must remain in place until the backfill material has restored support.

Trench wall support is required for excavations with the following conditions: depth is equal or greater than 1.2 m (4 ft), the pipeline is closer to the edge of the excavation than the minimum allowed distance indicated in Table 4-3 Minimum Allowed Distance from Main to Excavation, or the soil is unstable.

Minimum distances from the edge of the trench to the pipeline in which the excavation influences pipelines are shown in Table 4-3 Minimum Allowed Distance from Main to Excavation. The pipeline must be supported if these minimum distances cannot be met.

Table 4-3 Minimum Allowed Distance from Main to Excavation

Minimum Allowed Distance from Main to Excavation		
Trench Depth (m)	Soils ^a Type 1 & 2	Soils ^a Type 3 & 4
1.2 m (3.9 ft)	0.9 m (3 ft)	0.9 m (3 ft)
1.5 m (4.9 ft)	0.9 m (3 ft)	0.9 m (3 ft)
1.8 m (5.9 ft)	0.9 m (3 ft)	0.9 m (3 ft)
2.1 m (6.9 ft)	0.9 m (3 ft)	0.9 m (3 ft)

Table 4-3 Minimum Allowed Distance from Main to Excavation

Minimum Allowed Distance from Main to Excavation		
Trench Depth (m)	Soils^a Type 1 & 2	Soils^a Type 3 & 4
2.4 m (7.9 ft)	0.9 m (3 ft)	0.9 m (3 ft)
2.7 m (8.9 ft)	0.9 m (3 ft)	1 m (3.3 ft)
3 m (9.8 ft)	0.9 m (3 ft)	1.5 m (4.9 ft)
3.3 m (10.8 ft)	0.9 m (3 ft)	1.8 m (5.9 ft)
3.6 m (11.8 ft)	0.9 m (3 ft)	2.2 m (7.2 ft)
3.9 m (12.8 ft)	0.9 m (3 ft)	2.5 m (8.2 ft)
4.2 m (13.8 ft)	0.9 m (3 ft)	3 m (9.8 ft)
4.5 m (14.8 ft)	1 m (3.3 ft)	3.4 m (11.2 ft)
4.8 m (15.7 ft)	1.5 m (4.9 ft)	3.8 m (12.5 ft)
5.1 m (16.7 ft)	2 m (6.6 ft)	4.1 m (13.5 ft)
5.4 m (17.7 ft)	2.5 m (8.2 ft)	4.6 m (15.1 ft)
5.7 m (18.7 ft)	3 m (9.8 ft)	5 m (16.4 ft)
6 m (19.7 ft)	3.4 m (11.2 ft)	5.5 m (18 ft)

a. As defined in the Occupational Health and Safety Act.

For pipelines where the trench bottom is below the water table, the trench must be suitably shored as required in Section 4.3: Support of Pipelines Parallel to Excavation.

For pipelines within the minimum distances given in Table 4-3 Minimum Allowed Distance from Main to Excavation, shoring must remain in place until backfill material restores support.

Any pipeline that is exposed for a length greater than indicated in Table 4-1 Maximum Span without Support Beam requires a field assessment.

Figure 4-1 Support of Gas Pipelines Crossing Excavations

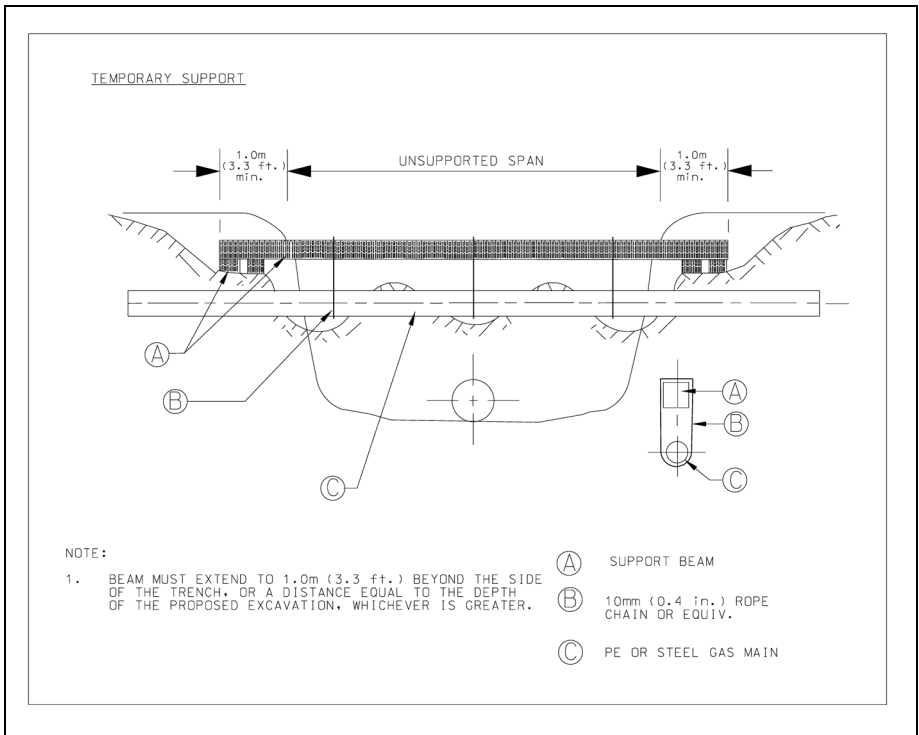
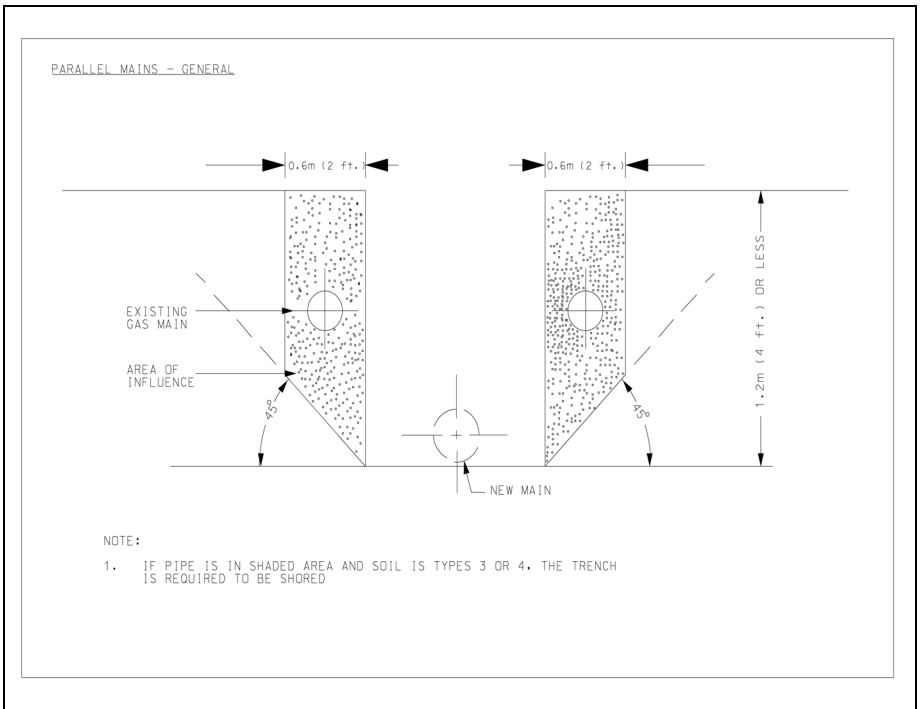


Figure 4-2 Influence Lines for Gas Pipelines Adjacent to Excavations



5.0 Horizontal Directional Drilling

5.1 General

Horizontal Directional Drilling (HDD) or Directional Boring is a steerable trenchless method of installing underground Facilities.

For installations using any other type of drilling or augering equipment in the vicinity of gas Facilities, contact EGD.

In all cases, daylight holes are required to visually verify the drill head's location (including depth) relative to the measurement of the tracking equipment. For daylight hole requirements, see Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains).

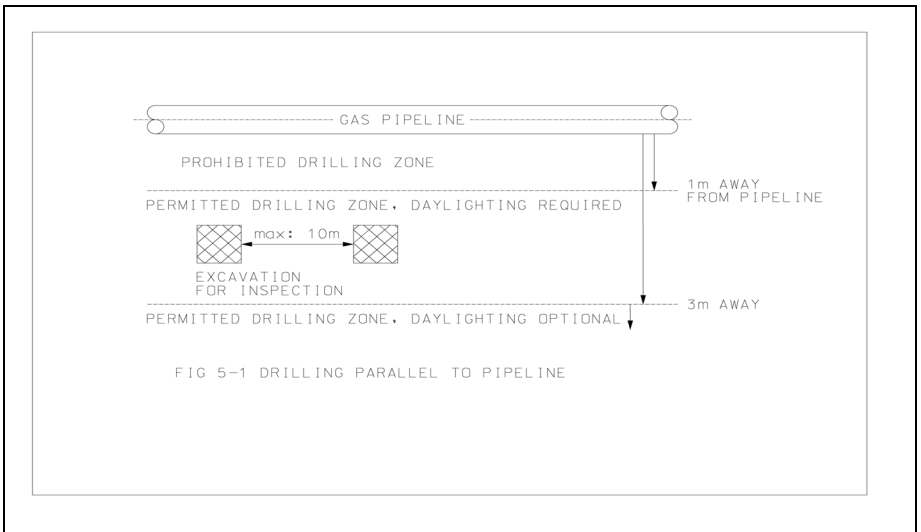
5.2 Drilling Parallel to Pipelines

When the proposed route is parallel to a natural gas pipeline at a perpendicular distance of 3 m (10 ft) or less, daylighting must be performed at intervals of no more than 10 m (33 ft) along the drilling path so that the precise location of the drilling head and backreamers (if any) can be verified visually. These excavations must be sufficiently wide to see the entire width of the drilling head, backreamers and structures from entry point to exit point.

The location of the pipeline must be visually confirmed as per the requirements set out in Table 2-2 Pipeline Location Verification Requirements for NEB-regulated Pipelines and Vital Mains and Table 2-3 Pipeline Location Verification Requirements for All Other Pipelines.

No drilling installation is to be performed within a distance of 1 m (3.3 ft) or less from either side of the pipeline. This prohibited zone may be widened in some cases.

Figure 5-1 Drilling Parallel to Pipelines



5.3 Drilling Across Pipelines

When the proposed drill path crosses an EGD pipeline, the pipeline must be exposed to the desired depth of the crossing to ensure that the natural gas pipeline is not affected and that the required clearance is maintained during all drilling operations. All minimum clearances must be measured from the outer edge of the drill, including backreamers (if any), to the outer circumference of the pipeline.

To assure that the directional drilling operation will not result in damage to the pipeline, the following daylight hole requirements must be followed:

- A pipeline daylight hole must be created that is sufficiently wide enough to see the drill head and backreamer entering the excavation at a minimum of 1 m (3.3 ft) before crossing the pipeline. See Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains) Daylight Hole 1.
- A second daylight hole must be created prior to reaching the pipeline such that the precise location of the drill head and backreamer (if any) can be verified visually. The daylight hole

must be sufficiently wide to measure the depth and trajectory of the drill head and backreamer. See Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains) Daylight Hole 2.

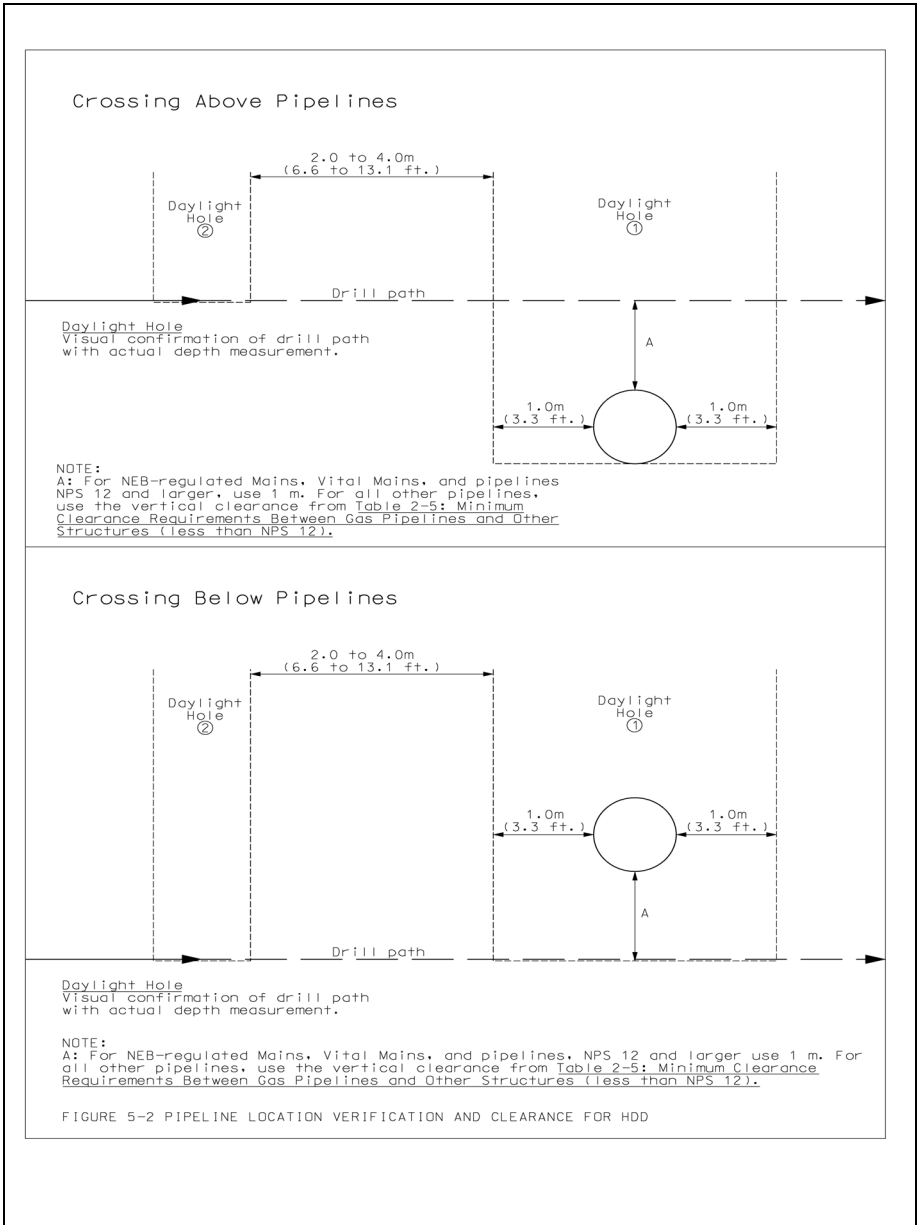
See Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains).

When drilling across pipelines that are smaller than NPS 12 (excluding NEB-regulated pipelines and Vital Mains), the vertical clearance, measured from the edge of the pipeline and the edge of the final bore hole, may follow the vertical clearance outlined in Table 2-5 Minimum Clearance Between Gas Pipelines (Less than NPS 12) and Other Underground Structures as long as all daylighting requirements are also followed.

When drilling across pipelines that are NPS 12 or larger, or crossing any NEB-regulated pipelines or Vital Mains, a minimum vertical clearance, measured from the edge of the pipeline to the edge of the final bore hole, of 1 m (3.3 ft.) is required. See Section 5.0: Horizontal Directional Drilling.

The location of the pipeline must be visually confirmed as per the requirements set out in Table 2-2 Pipeline Location Verification Requirements for NEB-regulated Pipelines and Vital Mains and Table 2-3 Pipeline Location Verification Requirements for All Other Pipelines. See Section 2.6: Minimum Clearance from Other Structures for specified minimum clearances.

Figure 5-2 Pipeline Location Verification and Clearance Requirements for HDD for crossing all pipelines (including NEB-regulated pipelines and Vital Mains)



6.0 Hydro-Excavation


6.1 General

Hydro-excavation, also known as hydrovac, is the non-destructive process in which pressurized water is utilized as a method of excavation through loosening and suction of the soil, rocks, and other earth materials. Hydro-excavation machines are an alternative to hand digging to locate and expose pipelines.

6.2 Hydro-Excavation Procedures

The following procedures shall be followed at all times when excavating with hydro-excavation technology:

1. Prior to starting work, obtain the required locates. Operation of hydro-excavation equipment should only be performed by competent and qualified workers.
2. Spinning tip nozzles must be used for hydrovac excavations with water pressures that must not exceed the maximum water pressure of 20684 kPa (3000 psi) during excavation. Pressure measures shall be permanently monitored using a calibrated device mounted on either the hydro-excavation machine (truck, pump), or the wand when using a spinning tip nozzle.
3. Ensure that the wand shall never remain motionless during excavation. Avoid aiming directly at the plant at all times.
4. Maintain a distance of 20 cm (8 in.) between the end of the pressure wand nozzle and the plant and/or subsoil. Never insert the nozzle into the subsoil while excavating above the plant.
5. Hydro-excavation equipment and nozzles used must have been specifically designed for use above buried gas lines or other reasonably expected underground gas plant.
6. Install a device capable of stopping the excavation on demand, such as a dead man trigger or valve on the wand.
7. If heated water is used during excavation, the temperature and pressure of the water must not exceed 115°F (45°C) and 17250 kPa (2500 psi), respectively.

- 
8. The excavator must contact the gas utility if any damage to gas plant occurs while using hydro-excavation technology or any other method of excavation.

7.0 Backfilling

7.1 General

The gas pipeline must be inspected by EGD for damages before backfilling the excavation. It is the Third Party's responsibility to ensure that the gas pipeline is not undermined or endangered in any way. If any damage occurs, contact EGD immediately at the Emergency phone numbers listed in Section 10.0: Appendix.

Backfilling must be done in such a manner as to prevent any rocks from being placed at or near the surface of the pipe. Native excavated material must be used as backfill unless otherwise directed by EGD. Where native material is unsuitable, 150 mm (6 in.) of approved earth or sand padding must be placed over the pipe for protection. Topsoil must not be used for backfilling.


Aggregate backfill must be replaced in 300 mm (12 in.) layers. Each layer must be thoroughly compacted by pneumatic tampers or an equivalent method acceptable to EGD to ensure no settlement.

The final layer must be smoothed down with a grader (or a rake for small scale projects) and must be tamped flush or slightly higher than the surrounding ground surface in order to prevent ponding of water and accommodate any future soil subsidence over the trench line.

Backfilling a flooded trench will not be allowed. The Third Party is responsible for the removal of water from the trench, before backfilling. If backfilling on a slope, the backfill must first be placed from the bottom of the slope, then the filling should continue by building upwards. This will prevent large voids in the backfill which can occur when the backfill is dumped from the top of a slope.

Backfill and Compaction within road allowances must be completed in accordance with the local governing authority. Any excess spoil must be removed as specified by EGD.

Unshrinkable fill or other engineered backfill material must be installed only when requested by the municipalities, local governing authority or as directed by EGD. The pipe and valve assemblies must be sand padded before placement of unshrinkable fill. The Third Party must ensure that placement of the unshrinkable fill does not displace sand padding or directly contact the pipeline.



The final covering of gas pipelines must adhere to municipal requirements.

8.0 Blasting Requirements

8.1 General

Before any blasting operation in the vicinity of a gas pipeline can occur, the hazards to EGD's plant must be evaluated. Responsibility for the design of the blast and any resultant damage is borne entirely by the Party using the explosives.

A recognized independent blasting consultant must be retained at the Applicant's expense to perform an evaluation of the blast design. The independent blasting consultant must be an Independent Engineering Consultant specialized in blasting. The copy of the stamped consultant's validation report of the blast must be submitted to EGD for review if the blasting will occur within 30 m (100 ft) of EGD's Facilities.

If in the opinion of EGD or an independent blasting consultant, blasting cannot be carried out without affecting the Facility's integrity, alternatives must be considered, including the replacement or relocation of the affected Facility at the Applicant's expense. In these situations, additional time must be allowed to obtain the necessary permits and to complete the necessary construction work.

In the event a third party is affected as a result of the blasting operations, all expenses associated therewith incurred by EGD must also be at the Applicant's expense.

Ontario: The Third Party must comply with the Ontario Provincial Standard Specification (OPSS 120 – General Specification for the Use of Explosives) in addition to EGD's blasting requirements.

New Brunswick: The Third Party must comply with the New Brunswick Provincial Standard Specification (NB Reg 89-108) in addition to EGD's blasting requirements.

Quebec: The Third Party must comply with Quebec's Acts regarding explosives (CQLR c E-22 and CQLR c E-22, r 1) and Safety Code (CQLR c S-2.1, r 4), in addition to EGD's blasting requirements.

8.2 Notification Requirements

Surface Blasting Applications

For Surface Blasting, a letter must be obtained from the Applicant, which includes:

- Name of the owner of the project, general Contractor and design engineer.
- Name of the blasting Contractor and person in charge of the blast.
- Proof of liability insurance in the minimum amount of \$5 million per occurrence. Additional insurance requirements may be necessary. The certificate provided should indicate Enbridge Gas Distribution Inc. or the specific affiliate name as additional insured.
- Date for the blasting operation.
- A copy of a construction drawing drawn to scale indicating:
 - Map/sketch/detail of blasting zone showing the location of the gas Facilities and other public utilities (i.e. Bell, hydro, water).
 - Details of the proposed drilling and loading pattern for explosives.
 - Diameters of drilled holes, relative to EGD's Facilities.
- Predicted vibration levels anticipated at any affected Facilities.
- Number and timing of delays.
- Total explosive weight to be detonated per delay.
- Specifications for the type of explosives to be used.
- Controls to be used to confirm vibration levels (i.e. seismographs).
- Potential stabilization of rock face and type of potential stabilization techniques (i.e. rock anchors, shot crete, ribs, etc.).
- Geological parameters (borehole logs or geological reports) which indicate the design of the blast are acceptable.

- Written confirmation that the blasting operation will be carried out by qualified workers with appropriate engineering supervision.

Tunnel Blasting Applications

For Tunnel Blasting, the Applicant's letter must contain all information required in the Surface Blasting application as set out above. In addition, the required independent blasting consultant's report must include:

- Location plan and profile views with construction drawing or sketch drawn to scale.
- Evaluation of geotechnical data.
- Exact stand-off distances, horizontal and direct (radial).
- Type of advancement proposed and type of tunnel method; full face, top-heading and bench, pilot tunnel.
- Type of tunnel lining proposed.
- Other pertinent information specific to tunneling techniques.
- The use of preventative blasting techniques such as line drilling, cushion blasting, etc.

To assist with the preparation of the written request, locates to determine the location of the Facilities should be requested. Lists of regional addresses and phone numbers are outlined in Section 10.0: Appendix.

8.3 Guidelines for Blasting

The information provided in this section is not to be construed as an exhaustive list of performance specifications, but rather a guide for conducting blasting in the vicinity of EGD's Facilities. The Third Party is responsible for ensuring that all blasting work is performed in a good and workmanlike manner in accordance with all applicable laws, codes, by-laws, and regulations.

The Third Party will be held liable for and indemnify EGD in relation to any and all damage directly or indirectly caused or arising as a result of blasting operations carried out by the Applicant, its employees, Contractors or those for whom the Applicant is responsible at law.

Prior to blasting operations, a site meeting must be arranged with an authorized representative of the Applicant and an EGD representative to confirm the location of EGD's Facilities and details of the proposed blast.

EGD's pipelines must not be excavated prior to blasting. If excavation is unavoidable, then the pipeline must be properly supported according to EGD's requirements as stated in Section 4.0: Support of Gas Pipelines. The Third Party must take suitable precautions to protect the exposed pipeline from fly-rock. Blasting mats must be used to minimize the risk of fly-rock.

Explosives must be of a type which must not propagate between holes or be desensitized due to compression pressures. Explosives must not be left in the drill hole overnight.

If a Surface Blast is:


- Located less than 10 m (33 ft) from pipeline, and
- Creates its first blast hole at a depth equal to the top of the pipeline, and
- The depth of subsequent blast holes exceeds one half of the horizontal distance to the closest portion of the pipeline,

then, the required independent blasting consultant's report must specifically address the impact of these conditions. This is not applicable for Tunnel Blasting operations. Monitoring of blasting vibrations with a portable seismograph capable of transmitting data instantaneously (e.g., via email or cellular) to the required reviewer in the vicinity of EGD's Facilities is mandatory to confirm that predicted vibration levels are respected. On a daily basis, a copy of the seismographic report must be provided to EGD.

Peak Particle Velocity (PPV) must be limited to **50 mm/sec (2 in./s)** and maximum amplitude must be limited to 0.15 mm (0.006 in.).

8.4 Post Blasting Operation

A leak survey will be completed at the end of each day of blasting. Upon completion of daily blasting operations and within 30 days after the final blasting, EGD will conduct a leak survey of the pipeline at the Third Party's expense. Leak survey will also be completed at the end of each day of blasting. Damage that has resulted from the blasting will be



repaired at the Third Party's expense. A summary of all blasting operations including blasting logs, vibration control, seismograph reports and other pertinent information must be provided to EGD by the Third Party daily and at the completion of blasting operations.

9.0 Pile Installation Or Compaction Requirements

9.1 General

Pile installation or Compaction activities in the vicinity of EGD's Facilities must be evaluated by EGD prior to beginning. Any resultant damage as a result of these activities will be borne entirely by the Third Party undertaking the proposed work.

If in the opinion of EGD, the particular Pile installation or Compaction operation cannot be carried out without affecting the pipeline or Facility integrity, the following must be considered:

- Risk analysis and/or mitigation program for the proposed operation.
- Alternate construction methods.
- Relocation or replacement of the Facility.

All costs incurred will be covered by the Third Party undertaking the proposed work and final approval for the work will be granted by EGD.

Piles installed using an auger must satisfy the locating and clearance requirements listed in Section 2.3: Pipeline Location Verification and Section 2.6: Minimum Clearance from Other Structures, respectively. EGD must provide approval for the installation of Piles within 3 m (10 ft) of a NEB-regulated pipeline or Vital Main.

The Third Party will be responsible for all costs related to customer interruption as well as costs incurred because of work delays. In the event a Third Party is affected as a result of the Pile installation and/or Compaction operations, all expenses associated therewith incurred by EGD will be passed to the Third Party.

9.2 Pile Installation or Compaction Application

The application to Pile Drive or do Compaction work must be sent to EGD. Contact information can be found in Section 10.0: Appendix. The application must include the following:

- Name of project owner, general Contractor and applicable sub-Contractors.

- A copy of the permits, certificates or other forms that are municipal bylaw requirements.
- Name of design engineer and a copy of the construction plans with drawings. These must detail the Facilities that can be affected.
- The type of piles and equipment to be used, and the control methods to prevent pile deviation.
- Geo-technical reports and other applicable information.
- A copy of the location of other public utilities: telephone, cable TV, sewer and water mains, electrical services, etc.
- A technical report with appropriate analysis and prediction of the vibration levels according to the opinion of an Independent Engineering Consultant specialized in vibration control and analysis.

This work must be completed under the supervisor of qualified personnel. Vibration results must be provided to EGD on a daily basis.

9.3 Guidelines for Pile Installation and Compaction Work

The information provided in this section is not to be construed as an exhaustive list of performance specifications, but rather a guide for conducting Pile installation and Compaction work in the vicinity of EGD's Facilities. The Third Party is responsible for ensuring that all Pile installation and Compaction work is performed in accordance with all applicable laws, codes, by-laws and regulations.

No operations must be permitted within a standoff distance of 1.5 m (5 ft) from the pipeline or other natural gas Facility, unless approved by EGD.

Prior to Pile installation and/or Compaction work, a site meeting must be arranged with an authorized representative of the Third Party and an EGD representative to confirm the location of EGD's Facilities and the details of the proposed work.

The pipeline should not be excavated prior to the Piling or Compaction operation. If excavation of the pipeline is necessary, then it must be properly supported in accordance with Section 4.0: Support of Gas Pipelines.

The following situations will require the opinion of an Independent Professional Engineer:

1. Compaction of soils or backfill rated at 10,000 ft-lbs (13,600 Nm) or higher at a stand-off distance of 6 m (20 ft) or less from the pipeline.
2. Pile Driving at a stand-off distance of 10 m (33 ft) or less from the pipeline Facility.
3. High-energy dynamic Compaction for the rehabilitation of soils at a stand-off distance of 30 m (100 ft) or less from the pipeline.
4. Type 4 soil as defined in Article 226 of the Occupational Health and Safety Act and Regulations for Construction Projects (See Section 9.5: Soil Types).

For these situations, the appropriate number of seismographs to monitor vibrations is mandatory. The seismographs must be the portable type with the capability of transmitting data instantaneously (e.g., via email or cellular). This control will confirm the intensity of the vibrations generated by the Pile installation or Compaction work as projected. Furthermore, reports of recorded intensities must be provided on a regular basis or at the request of EGD.

The **Peak Particle Velocity (PPV)** measured on the pipeline, or at the closest point of the related structure with respect to the work, must not exceed **50 mm/sec (2 in./s)**. Furthermore, the maximum displacement for the vertical and/or horizontal component corresponding to the above stated vibration intensity must not exceed 50 mm (2 in.) at any given length of the pipeline in question.

If the PPV or displacement limit is surpassed, all operations must stop notwithstanding any delays or costs incurred by the Third Party or owner of the proposed work. EGD will require that the cause of these higher vibrations or displacements be investigated. EGD may arrange for a leak survey to be conducted. EGD's Engineering Department must approve resumption of operations.

Should a situation with low energy Compaction operations with a soil cover of less than 1.5 m (5 ft) above the pipeline at a stand-off distance of 3 m (10 ft) or less from a pipeline be encountered, EGD may require the opinion of an Independent Engineering Consultant.

In addition, if a Type 3 soil (see Section 9.5: Soil Types) is present on site, EGD may require the opinion of an Independent Engineering Consultant.

The use of an auger may be required in order to avoid the use of piles.

All operations must comply with the Provincial Occupational Health and Safety Act and Regulations for Construction Projects, other applicable laws and regulations, as well as all applicable EGD specifications, standards and guidelines.

9.4 Post Piling or Compaction Operations

The Third Party must send EGD the items that follow within five (5) business days of the completion of the pile installation via Pile Driving or Compaction operations:

- A summary of all operations.
- Pile Driving and Compaction logs.
- Vibration control records.
- Seismograph records.

On completion of each day's work, and approximately 30 days after all work is completed, EGD will arrange to conduct a leak survey of the Facility. If damage to EGD's Facilities is found, it will be repaired by the Third Party. An invoice will be sent to the Third Party responsible for the work.

Table 8-1 Maximum Vibration Intensities Expected from Pile Driving

$\sqrt{(E/D)}$	Particle Velocity (in./s)			$\sqrt{(E/D)}$	Particle Velocity (mm/s)		
	Dry Sand	Wet Sand	Clay		Dry Sand	Wet Sand	Clay
0.10	0.020	0.030		0.10	0.43	0.74	
0.22	0.040	0.060	0.010	0.22	0.97	1.50	0.25
0.30	0.050	0.080	0.020	0.30	1.27	1.27	0.43
0.40	0.070	0.110	0.040	0.40	1.75	2.80	0.66
0.50	0.080	0.130	0.040	0.50	0.06	3.30	1.02
0.60	0.100	0.180	0.050	0.60	2.54	4.57	1.27
0.70	0.110	0.200	0.060	0.70	2.80	5.08	1.52
0.80	0.130	0.230	0.080	0.80	3.30	5.84	1.96
0.90	0.160	0.270	0.090	0.90	4.06	6.86	2.29
1	0.180	0.290	0.100	1	4.57	7.37	2.54
2	0.330	0.590	0.300	2	8.38	14.99	7.62
3	0.560	0.880	0.580	3	14.22	22.35	14.73
4	0.700	1.100	0.890	4	17.78	27.94	22.61
5	0.880	1.400	1.100	5	22.35	35.56	27.94
6	1.050	1.850	1.800	6	26.67	46.99	45.72
7	1.100	2.010	2.010	7	27.94	50.80	50.80
8	1.400	2.300	2.400	8	35.56	58.42	60.96
9	1.750	2.800	3.100	9	44.45	71.12	78.74
10	1.850	2.900	3.400	10	46.99	73.66	86.36

E is defined as rated energy of the pile hammer in ft-lbs.

D is defined as distance in inches.

Values highlighted in red indicate unacceptable vibration levels.

9.5 Soil Types

(Occupational Health and Safety Act and Regulations for Construction Projects)

Soil must be classified as Type 1, 2, 3, or 4 in accordance with the descriptions set out in this section.

Type 1 soil:

- is hard, very dense and only able to be penetrated with difficulty by a small sharp object;
- has a low natural moisture content and a high degree of internal strength;
- has no signs of water seepage; and
- can be excavated only by mechanical equipment.

Type 2 soil:

- is very stiff, dense and can be penetrated with moderate difficulty by a small sharp object;
- has a low to medium natural moisture content and a medium degree of internal strength; and
- has a damp appearance after it is excavated.

Type 3 soil:

- is stiff to firm and compact to loose in consistency or is previously- excavated soil;
- exhibits signs of surface cracking;
- exhibits signs of water seepage;
- if it is dry, may run easily into a well-defined conical pile; and
- has a low degree of internal strength.

Type 4 soil:

- is soft to very soft and very loose in consistency, very sensitive and upon disturbance is significantly reduced in natural strength;
- runs easily or flows, unless it is completely supported before excavating procedures;
- has almost no internal strength;

- is wet or muddy, and
- exerts substantial fluid pressure on its supporting system.

10.0 Appendix

Contact Information

Enbridge Gas Distribution 500 Consumers Road North York, ON M2J 1P8	Markups: Mark-Ups@enbridge.com Mail to: Distribution Asset Management Ontario One Call Locates: 1 (800) 400-2255 Damage Prevention: 1 (866) 922-3622 Emergency: 1 (866) 763-5427
Enbridge Gas Storage 3501 Tecumseh Road Mooretown, ON N0N 1M0	Ontario One Call Locates: 1 (800) 400-2255 Engineering Dept.: 1 (519) 862-6027 Operations Dept.: 1 (519) 862-6017 Emergency: 1 (866) 763-5427
Gazifère 706 Boulevard Greber Gatineau, QC J8V 3P8	Locates: 1 (800) 663-9228 Planning Dept.: 1 (819) 776-8804 Emergency: 1 (819) 771-8321, press 1
St. Lawrence Gas Company Inc. 33 Stearns Street P.O. Box 270 Massena, NY 13662	Dig Safely New York Locates: 811 or 1 (800) 962-7962 Damage Prevention: 1 (315) 842-3621 Emergency: 1 (800) 673-3301
Enbridge Gas New Brunswick Inc 440 Wilsey Road Fredericton, NB E3B 7G5	Locates: 1 (866) 344-5463 Planning and Technical Services: 1 (888) 642-2020 Emergency: 1 (800) 994-2762

The website www.clickbeforeyoudig.com gives access to the damage prevention centres in Canada and in the United States of America, and allows locate requests to be made for each province/state.

Sandra Anastasio - GM BluePlan

From: Meetpal Chhina <Meetpal.Chhina@enbridge.com>
Sent: Thursday, February 06, 2020 9:10 AM
To: Sandra Anastasio - GM BluePlan; Ian Moase
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)'; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan; Jeremy Getson
Subject: RE: Class EA for Wastewater Capacity Improvements in Central Mississauga

Good Morning Sandra;

Thanks for engaging Enbridge so early in the process. We greatly appreciate the early engagement on major infrastructure work proposed in City of Mississauga.

Further to our discussion on the phone, please use the general locates document to plan your shaft locations. Once you have the 30% design complete you could forward a copy to our Mark-up department for Enbridge's review, and in case conflicts are identified you can reach out to me to avoid or relocate gas infrastructure. Also, as discussed over the call, Enbridge has major infrastructure (20" Vital) within Queensway ROW and we recommend that you work around our 20" Vital using our 'Third party requirement' to maintain clearances from our infrastructure.

If you have further question or concerns, please feel free to reach out to myself to discuss.

Thanks

Meetpal Chhina, P.ENG. MBA
Supervisor Planning
Regional Execution GTA-W/Niagara

ENBRIDGE
TEL: 905-458-2159 | CELL: 905-867-9329 | email address: meetpal.chhina@enbridge.com
6 Colony Court, Brampton, ON – L6T 4E4
enbridge.com
Safety. Integrity. Respect.

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, February 5, 2020 1:24 PM
To: Meetpal Chhina <Meetpal.Chhina@enbridge.com>; Ian Moase <Ian.Moase@enbridge.com>
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: [External] RE: Class EA for Wastewater Capacity Improvements in Central Mississauga

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hi Meetpal,

Please find attached the updated mapping.

Thanks,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Meetpal Chhina <Meetpal.Chhina@enbridge.com>
Sent: Tuesday, February 04, 2020 11:30 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Ian Moase <Ian.Moase@enbridge.com>
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: RE: Class EA for Wastewater Capacity Improvements in Central Mississauga

Hello Sandra;

The link doesn't open for both myself and Ian. It might be blocked due to security reasons.
Could you please forward these drawing via Email?

Thanks

Meetpal Chhina, P.ENG. MBA
Supervisor Planning
Regional Execution GTA-W/Niagara

ENBRIDGE
TEL: 905-458-2159 | CELL: 905-867-9329 | email address: meetpal.chhina@enbridge.com
6 Colony Court, Brampton, ON – L6T 4E4
enbridge.com
Safety. Integrity. Respect.

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Tuesday, February 4, 2020 10:10 AM
To: Ian Moase <Ian.Moase@enbridge.com>; Meetpal Chhina <Meetpal.Chhina@enbridge.com>
Cc: 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>; justin.lee@peelregion.ca; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>
Subject: [External] FW: Class EA for Wastewater Capacity Improvements in Central Mississauga

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hi Ian and Meetpal,

At the beginning of January, Laura Borowiec from the Region of Peel updated you regarding the Schedule C Class Environmental Assessment for the Capacity Improvements in Central Mississauga. In December, we sent a letter to Jim Arnott at Enbridge to review the shaft location alternatives and provide any commentary. We received a response from Elizabeth Dewcharran with mapping which included Enbridge pipeline infrastructure. I have included her response in the link below. Since December, we have screened out some of the shaft location alternatives – I have included the updated mapping in the link as well.

Please let me know if you have any questions or additional commentary at this stage regarding these location alternatives. Please note that I have added you both to our study contact list therefore, going forward, you will be receiving future study Notices.

https://sendafile.gmblueplan.ca/uploads/02-04-20_100246_Enbridge.zip

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Wednesday, January 08, 2020 2:45 PM
To: ian.moase@enbridge.com; meetpal.chhina@enbridge.com
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: Class EA for Wastewater Capacity Improvements in Central Mississauga

Hi Ian and Meetpal,

I received your contact from Miriam Polga, whom you met this morning at our Regional HQ.

I am the Project Manager for this Schedule C Class Environmental Assessment and would like to add your names to our study mailing list. We have retained GM BluePlan to undertake this Class EA study and will be forwarding you some preliminary information for your review as we work our way through Phase 2 of the Class EA process. We are also gearing up for our first Public Information Centre in the next couple of months.

Should you have any questions in the meantime, please let us know.

Thanks,

Laura Borowiec, P.Eng.
Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9



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May 20, 2020
Our File: 718018

Mr. Meetpal Chhina
Supervisor, Regional Execution (Peel/Simcoe/Dufferin)
Enbridge Gas Distribution Inc.
500 Consumer Road
North York, ON M2J 1P8

Re: Region of Peel Wastewater Capacity Improvement for Central Mississauga Class Environmental Assessment

Dear Mr. Meetpal Chhina,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment (Class EA) for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

On December 2, 2019, a consultation letter was sent to advise Enbridge of the short list of alternative servicing strategies. We received feedback from Enbridge including Enbridge owned infrastructure mapping and required minimum clearances for "IP" and "Vital" classified pipelines. The project team evaluated the short list based on the information collected through the Class EA process and presented the preliminary preferred servicing strategy (Attachment 1) to the public on March 10, 2020.

We understand that Enbridge currently owns infrastructure along the Burnhamthorpe Road (IP), Cawthra Road (IP) and Queensway East (Vital) preferred alignments. At this time, we would appreciate your assistance and ask that you review the preferred strategy and provide additional mapping of Enbridge owned assets (above and below ground) within or adjacent to the preferred alignments. Any potential locations for future infrastructure would also be helpful in establishing any site constraints as we further refine the servicing strategy including construction shaft locations and refined sewer alignments. Furthermore, we would like to request any additional information that would assist us in the conceptual design evaluation and preliminary design phase of this project. Once the preferred design of the alignments and shaft sites has been selected, the project team can provide alignment drawings and shaft site requirements and layouts. A meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

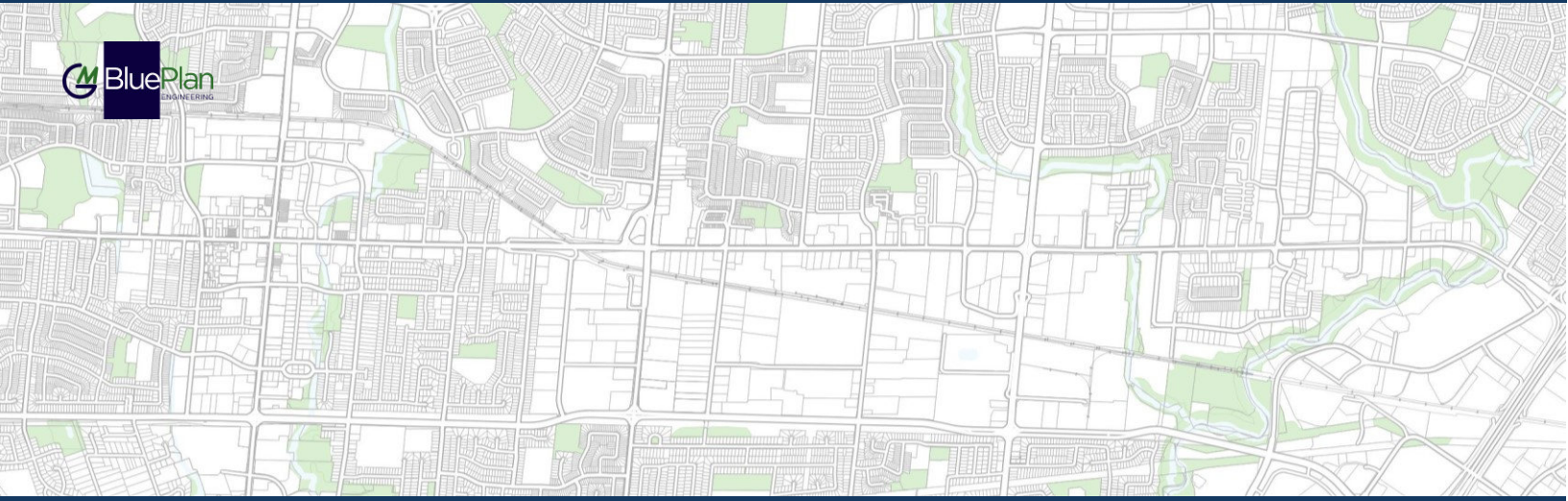
A handwritten signature in blue ink, appearing to read 'Chris Campbell'.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Justin Lee, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preferred Solution (Map)



REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

Alectra Utilities



December 2, 2019

Our File: 718018

Mr. Daniel J. Pastoric
President and Chief Executive Officer
Alectra Utilities
3420 Mavis Rd
Mississauga, Ontario L5C 3K1

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

Dear Mr. Daniel J. Pastoric,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and preliminary tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any Alectra operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell', written over a white rectangular background.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, December 16, 2019 4:02 PM
To: 'navneet.budhia@alectrautilities.com'
Cc: 'dan.pastoric@alectrautilities.com'; Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: FW: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ Alectra.pdf

Hello Navneet,

As discussed, please see the email regarding the Region of Peel Wastewater Capacity Improvements in Central Mississauga Class EA. I have attached the letter and a link is provided in the original email below for the mapping.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 04, 2019 11:02 AM
To: dan.pastoric@alectrautilities.com
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: Region of Peel Central Mississauga EA

Hello Mr. Daniel Pastoric,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA - Preliminary Short Listed Sites.pdf](https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Mehdi Vafaei <mehdi.vafaei@alectrautilities.com>
Sent: Thursday, January 02, 2020 3:37 PM
To: Navneet Budhia; Riaz Shaikh; Sandra Anastasio - GM BluePlan
Cc: Dan Pastoric; Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: RE: [Site Plan Comments] Wastewater Plant Central Mississauga EA

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sandra,

I hope you are doing well.

I reviewed the preliminary preferred alignments and shaft locations in the document attached to the email. Alectra has Overhead or Underground (or both) infrastructures within or adjunct to most of the proposed locations which are major routes, intersections and crossings. In order to provide a preliminary analysis over suggested alignments and tunnel shaft locations, I would need to get more information in terms of alternative proposed design and the way it can impact Alectra's infrastructure. Here are a list of information/questions/comments that might need to be addressed/provided/responded:

- Do you require specific power availability for your proposed tunnel shaft locations? i.e. in terms of kVA or kW.
- Do you have any voltage requirements for your infrastructure? I.e. voltage level and/or three phase/single phase requirements.
- Can you provide more information regarding the design/layout/drawing of proposed tunnel shaft locations? The information can be typical dimensions, typical layouts/installations, cross-section drawings, electricity operated equipment (including motors, lighting, etc), etc.
- Do you have more information regarding the excavation process/procedure that can impact Alectra's Underground system or Overhead circuits?
- Does the capacity improvement proposal affect the power requirements (i.e. possible increase in load) at central wastewater treatment plant?
- Would you describe the specific inputs/comments you will require from Alectra at this preliminary stage?

Once more information is provided, we can run a preliminary analysis and if needed we can discuss more on phone. Please let me know if you have any questions or need any clarifications.

Regards.
Mehdi

From: Navneet Budhia
Sent: Tuesday, December 17, 2019 9:07 AM
To: Riaz Shaikh; Mehdi Vafaei; Sandra Anastasio - GM BluePlan
Cc: Dan Pastoric; Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: [Site Plan Comments] Wastewater Plant Central Mississauga EA

Hi Mehdi,

The Peel Region Water is seeking Alectra's comments for capacity improvements at a wastewater treatment plant in central Mississauga. Could you please help respond to the below associated request.

Please contact Sandra (marked in the signature below) for any further clarification you may need for this request.

Sandra, Alectra's system planning department is marked herein to respond to your request.

Regards
Navneet



Navneet Budhia
Manager, Special Projects
Strategic Growth & Special Projects

m 289.775.7327
alectrautilities.com



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: December 16, 2019 4:02 PM
To: Navneet Budhia <Navneet.Budhia@alecra.com>
Cc: Dan Pastoric <Dan.Pastoric@alecra.com>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: FW: Region of Peel Central Mississauga EA

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Hello Navneet,

As discussed, please see the email regarding the Region of Peel Wastewater Capacity Improvements in Central Mississauga Class EA. I have attached the letter and a link is provided in the original email below for the mapping.

Thank you,
Sandra

====
Hello Mr. Daniel Pastoric,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA -
_Preliminary_Short_Listed_Sites.pdf](https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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May 20, 2020
Our File: 718018

Mr. Navneet Budhia
Manager, Special Projects
Alectra Utilities
3420 Mavis Rd
Mississauga, Ontario L5C 3K1

Re: Region of Peel Wastewater Capacity Improvement for Central Mississauga Class Environmental Assessment

Dear Mr. Navneet Budhia,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Municipal Class Environmental Assessment (Class EA) for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

On December 2, 2019, a consultation letter was sent to advise Alectra of the short list of alternative servicing strategies. The project team evaluated the short list based on the information collected through the Class EA process and presented the preliminary preferred servicing strategy (Attachment 1) to the public on March 10, 2020.

Through consultation with Hydro One, we understand that Alectra currently operates the active transmission lines along the Queensway East preferred alignment from Hurontario Street to west of Stanfield Road. At this time, we would appreciate your assistance and ask that you review the preferred strategy and provide mapping of Alectra assets (above and below ground) within or adjacent to the preferred alignments. Any potential locations for future infrastructure would also be helpful in establishing any site constraints as we further refine the servicing strategy including construction shaft locations and refined sewer alignments.

Furthermore, we would like to request a review of protocols/standards, minimum asset clearances and any other input that you can provide at this stage that would assist us in the conceptual design evaluation and preliminary design phase of this project. Once the preferred preliminary design of the alignments and shaft sites has been selected, the project team can provide alignment drawings and shaft site requirements and layouts. A meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell'.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Justin Lee, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preferred Solution (Map)

Sandra Anastasio - GM BluePlan

From: Mehdi Vafaei <mehdi.vafaei@alectrautilities.com>
Sent: Monday, June 01, 2020 5:15 PM
To: Riaz Shaikh; Sandra Anastasio - GM BluePlan
Cc: Miron Nahirny; Justin.Lee@peelregion.ca; Chris Campbell - GM BluePlan; Dan Pastoric; Navneet Budhia
Subject: RE: Region of Peel Central Mississauga EA
Attachments: Waste Water Mississauga - V.02.xlsx

Follow Up Flag: FollowUp
Flag Status: Flagged

Hi Sandra,

Please see the attached file that includes the information that were requested to conduct the Class Environmental Assessment.

All Alectra assets located within or adjacent to the preferred alignments are summarized in high level based on the GIS. Please be noted that a proper surveying and locates will be needed to determine potential conflicts and acceptable clearances with/from Alectra's infrastructure/assets that should be performed with Region of Peel and City of Mississauga.

Please let me know if you have any questions.

Regards.
Mehdi

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, May 20, 2020 10:30 AM
To: Navneet Budhia <Navneet.Budhia@alectra.com>; Mehdi Vafaei <mehdi.vafaei@alectrautilities.com>
Cc: Lee, Justin <Justin.Lee@peelregion.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Dan Pastoric <Dan.Pastoric@alectra.com>; Riaz Shaikh <riaz.shaikh@alectrautilities.com>
Subject: [SUSPICIOUS] Region of Peel Central Mississauga EA

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Navneet,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the preferred conceptual alignment and tunnel shaft alternative locations for your review and comment.

This link will only be available for 21 days: [05-20-20 1027 Shaft Site Mapping.zip](#)

Please let me know if you have any questions.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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This message has been sent to you by Alectra Inc. or one of its subsidiaries, 2185 Derry Road West, Mississauga, Ontario L5N 7A6. If you do not wish to receive further electronic messages from us, click [here](#) to unsubscribe.

Note: If you unsubscribe, we may, in limited circumstances, continue to provide you with communications such as safety or power outage information, under the implied consent provisions of Canada's Anti-Spam Legislation (CASL).

Shaft Site #	Major intersection	# of Circuits	Voltage (KV)	Primary/ Secondary	Orientation (OH/UG)	Poles (Y/N)	Type	Size of Pole	Anchors (Y/N)	Covering (DB/CE)	Other Considerations
01A	S/S Queensway E/O Greenhurst	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
01B	Sherway Dr / E/O Greenhurst	0				N			N		
01C	N/S Queensway E/O Greenhurst	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
01D	Sunnycove Dr / E/O Tarn Rd	0									
02A	N/S Queensway and Greenhurst Dr	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
02B	S/S Queensway and Greenhurst Dr	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
03A	N/E Corner Queensway and Dixie Rd	2	27.6	Primary	OH	y	Concrete	45	y		Underground Secondary for Street Lights
03B	S/W Corner Queensway and Dixie Rd	1	0.12	Secondary	UG	N			N		Underground Secondary for Street Lights / Ancors
03C	S/E Corner Queensway and Dixie Rd	3	1 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete	45	y		Underground Secondary for Street Lights
04A	S/S Queensway E/O Stanfield rd					N			N		
04B	N/W corner Queensway and Stanfield Rd	4	2 x 13.8 / 4.16 / 0.24	Primary/ Secondary	OH / UG	y	Wood	45	y	CE	1 Circuit in duct bank
04C	S/E Corner Queensway and Stanfield Rd	2	4.16 / 0.12	Primary/ Secondary	UG	N			N	DB	Street Lights Owned by City, UG Tx's on S/S close to site with UG Primary cables.
05A	S/S Queensway and Cody Ln	3	2 x 27.6 / 13.8	Primary	OH	y	Concrete	65	y		
05B	N/W corner Queensway and Hains Rd	3	27.6 / 2 x 13.8	Primary	OH	y	Wood	65	y		Underground S/L (120V) in area
06A	N/W corner Queensway and Cawthra Rd	1	0.12	Secondary	UG	y	Concrete	35	y	DB	Concrete poles are support poles with anchors
06B	S/W corner Queensway and Cawthra Rd	4	3 x 27.6 / 13.8	Primary	OH	y	Concrete	65	y		Anchors
06C	S/E corner Queensway and Cawthra Rd	5	3 x 27.6 / 13.8 / 4.16	Primary	OH	y	Concrete	65 / 70	y		Circuits N/S are connected E/W also
07A	N/E Corner Queensway and Tedlo St	4	2 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete / Wood	65 / 45	y		DB S/L (120V), concrete poles are 65' wood poles 45', anchors
07B	S/S Queensway Opp. Tedlo St	4	2 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete	65	y		Anchors
08A	N/E Corner Queensway and Hensall St	5	2 x 27.6 / 3 x 4.16	Primary	OH/UG	y	Concrete / Wood	65	y	CE	DB S/L (120V), Wood and Concrete poles are both 65', 2 corner concrete poles are 70', duct bank at corner
08B	N/W Corner Queensway and Hensall St	2	2 x 27.6	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area
09A	N/E Corner Queensway and Cliff Rd	3	2 x 27.6 / 4.16	Primary	OH/UG	y	Concrete	65	y	CE	Underground S/L (120V) in area, UG tie (N/S)
09B	S/W corner Queensway and Cliff Rd	1	27.6	Primary	UG	N			N	CE	Feed for St. Timothy School
09C	N/W Corner Queensway and Cliff Rd	2	2 x 27.6	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area
10A	N/E Corner Queensway and Camilla Rd	4	2 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area
10B	S/W corner Queensway and Camilla Rd	5	2 x 27.6 / 3 x 4.16	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area
11A	N/S Queensway W/O Camilla Rd	4	2 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area
11B	S/S Queensway W/O Camilla Rd	0				y	Concrete	35	y		Concrete poles are support poles with anchors
12A	S/W Corner Queensway and Hurontario St	4	2 x 27.6 / 2 x 4.16	Primary	OH	y	Concrete	65 / 35	y		Circuits run North/South on Hurontario, 35' Support poles on S/S Queensway
12B	S/E Corner Queensway and Hurontario St	0				y	Concrete	35	y		Concrete poles are support poles with anchors
13A	S/W Corner Cawthra Rd and Needham Ln	2	2 x 13.8 / 4.16 / 0.24	Primary	OH	y	Wood	60/45	y		Underground S/L (120V) in area, OH Line Crossing
13B	W/S Cawthra South of Needham Ln	1	13.8	Primary	OH/UG	y	Wood	65	y	CE	UG feed for Tx7405
13C	E/S Cawthra South of Needham Ln	1	0.347/0.6	Secondary	UG	N			N	DB	Assume Direct Buried ducts
14A	S/W Corner Dundas St and Cawthra Rd	4	2 x 44 / 2 x 13.8	Primary	OH	y	Concrete	70	y		3 Circuits Dead ended at Corner
14B	N/W Corner of Dundas St and Cawthra Rd	8	4 x 44 / 4 x 13.8	Primary	OH	y	Concrete	70	y		
14C	S/E Corner Dundas St and Cawthra Rd	1	13.8	Primary	UG					CE	Feed for Tx8851
15A	N/E Corner Cawthra Rd and Burnhamthorpe Rd	4	2 x 44 / 2 x 13.8	Primary	OH	y	Concrete	70	y		anchors
15B	S/W Corner Cawthra Rd and Burnhamthorpe Rd	4	2 x 44 / 2 x 13.8	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area, anchors
15C	N/W Corner Cawthra Rd and Burnhamthorpe Rd	4	4 x 44 / 4 x 13.8	Primary	OH	y	Concrete	70	y		Circuits are Dead ended at Corner, UG S/L (120V)
16A	N/E Corner Burnhamthorpe Rd and Wilcox Rd	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
17A	N/E Corner Burnhamthorpe and CentralPky	1	0.12	Secondary	UG	N			N	DB	Street Lights Owned by City
17B	S/W Corner Burnhamthorpe and CentralPky	4	2 x 44 / 2 x 13.8	Primary	OH/UG	y	Concrete	65	y	CE	Underground S/L (120V) in area, UG service to Plaza
17C	N/W Corner Burnhamthorpe and CentralPky	2	2 x 13.8 / 4.16 / 0.24	Primary	UG	N			N	CE	Secondary also in Duct Bank, DB S/L (120V)
17D	S/E Corner Burnhamthorpe and CentralPky	4	2 x 44 / 2 x 13.8	Primary	OH	y	Concrete	65	y		Underground S/L (120V) in area

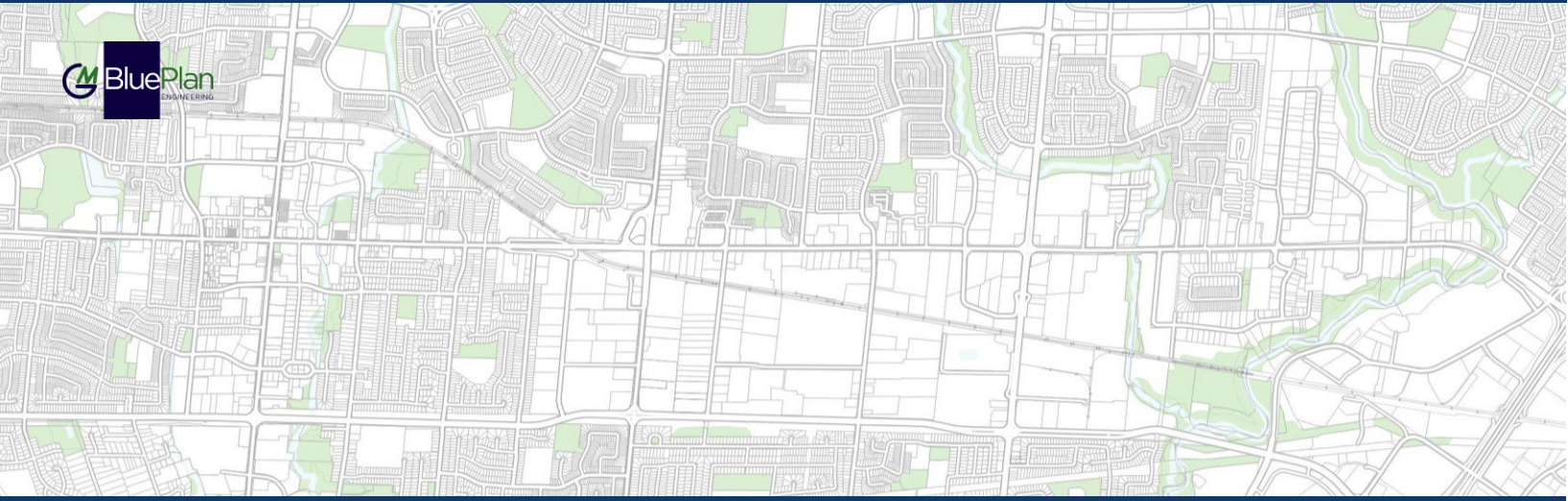
Primary Preferred Site

Alternate Site

Notes: Number of Circuits does not indicate Number of Feeders
 Alctra has ownership of UG S/L conductors but not S/L poles

A NO in the Pole column only indicates there are no Alctra owned poles.

Anchors also indicate that a down guy or Guywire is attached to pole.



REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

Trans Northern Pipelines Inc. (TNPI)



December 2, 2019

Our File: 718018

Mr. Cliff Lee
Coordinator, Crossings & Facilities
Trans-Northern Pipeline Inc.
45 Vogell Road, Suite 310
Richmond Hill, Ontario L4B 3P6

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

Dear Mr. Cliff Lee,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any Trans-Northern operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell'.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 04, 2019 11:14 AM
To: cle@tnpi.ca
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ Trans-Northern.pdf

Hello Mr. Cliff Lee,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA - Preliminary Short Listed Sites.pdf](https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Markup & Drawing Requests <markupanddrawingrequests@tnpi.ca>
Sent: Monday, December 16, 2019 4:10 PM
To: Sandra Anastasio - GM BluePlan
Subject: RE: Region of Peel Central Mississauga EA
Attachments: LA_8A.PDF; CR_334A.PDF; CR-333b.pdf; N. Service Rd. & Lower Cooksville Creek.PNG; North Service Rd. & Cliff Rd.PNG; N. Service Rd. & Munden Park.PNG; LA_7A.PDF; CR_328-2.PDF

Follow Up Flag: FollowUp
Flag Status: Flagged

Hi Sandra,

Please refer below for TNPI pipelines locations on your planned work locations as requested:

Location #1 - #8 - TNPI pipelines are somewhat close but far enough.

Location #9 – Queensway E & Cawthra Rd – Based on your map, TNPI pipelines are within 85m of your work area. Please see attached alignment drawing for your reference.

Location #10 - Queensway E & Haines Rd - Based on your map, TNPI pipelines are crossing your worked area. Please see attached crossing drawings.

Location #11 - #14 - TNPI pipelines are somewhat close but far enough.

Location #15 – North Service Rd. & Lower Cooksville Creek – Based on your map, TNPI pipelines are within 117m of your work area. Please see attached map for your reference.

Location #16 – N. Service Rd. & Cliff Rd. – Based on your map, TNPI pipelines are within 142m of your work area. Please see attached map.

Location #17 – N. Service Rd. & Munden Park – Based on your map, TNPI pipelines are within 166.9m of your work area. Please see attached map.

Location #18 – North Service Rd. & Cawthra - Based on your map, TNPI pipelines are within 65.3m of your work area. Please see attached crossing and alignment drawings.

Location #19 - #22 - TNPI pipelines are somewhat close but far enough.

Please be advised if your ground disturbance is within the pipeline right of way of TNPI, you need Permit.

In that case please contact Cliff Lee at crossingrequestseast@tnpi.ca or 905-770-3353 ext.292.

On a side note, moving forward please send your drawing requests to markupanddrawingrequests@tnpi.ca .

Thanks,

Ladan Parsi

Drafting & GIS Specialist

TRANS-NORTHERN PIPELINES INC.

45 VOGELL ROAD, SUITE 310, RICHMOND HILL, ON L4B 3P6

OFFICE: 289-475-5382

lparsi@tnpi.ca



From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: 4-Dec-19 11:14 AM
To: Cliff Lee <clee@tnpi.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: Region of Peel Central Mississauga EA

Hello Mr. Cliff Lee,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA - Preliminary Short Listed Sites.pdf](https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

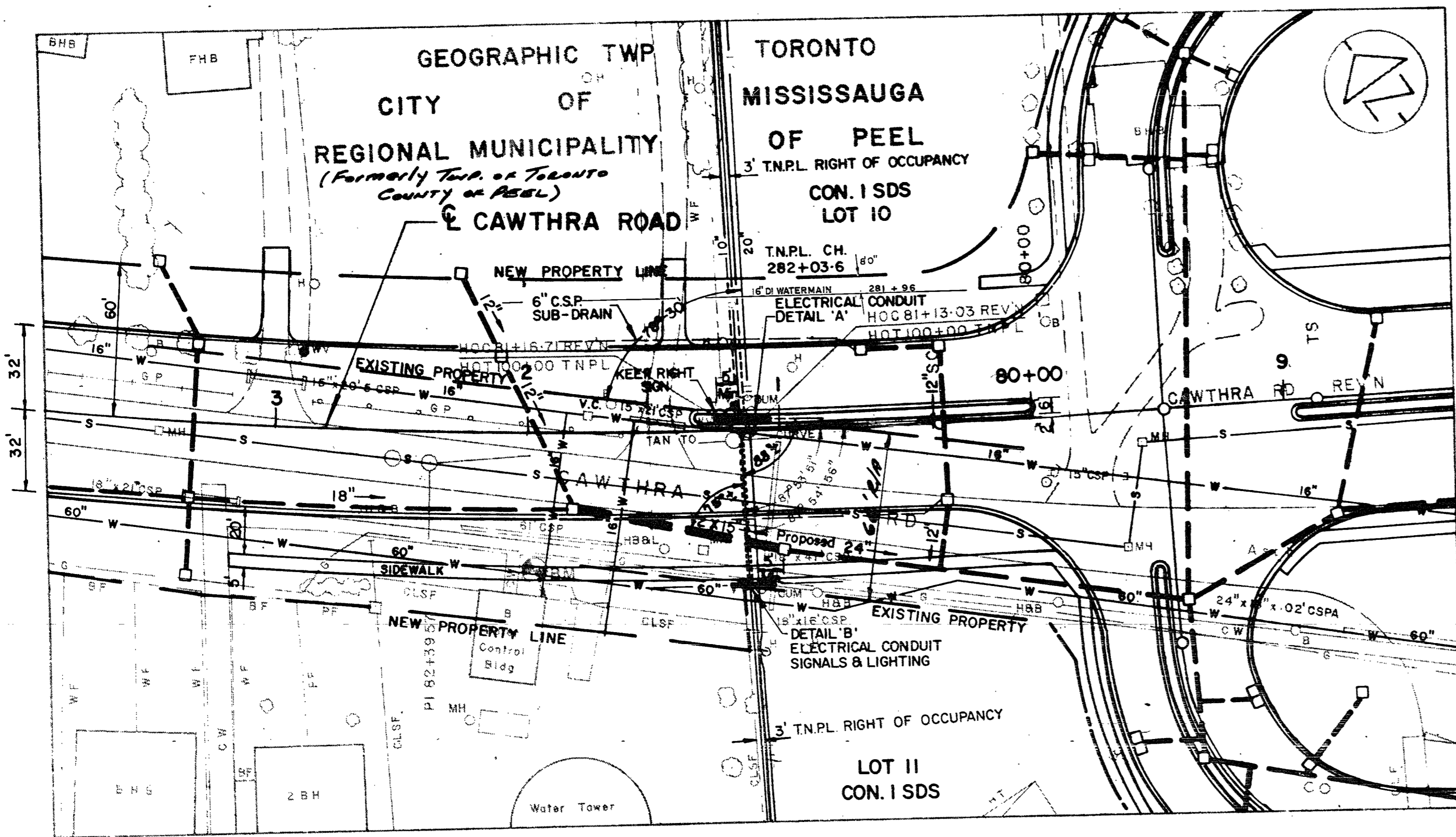
Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

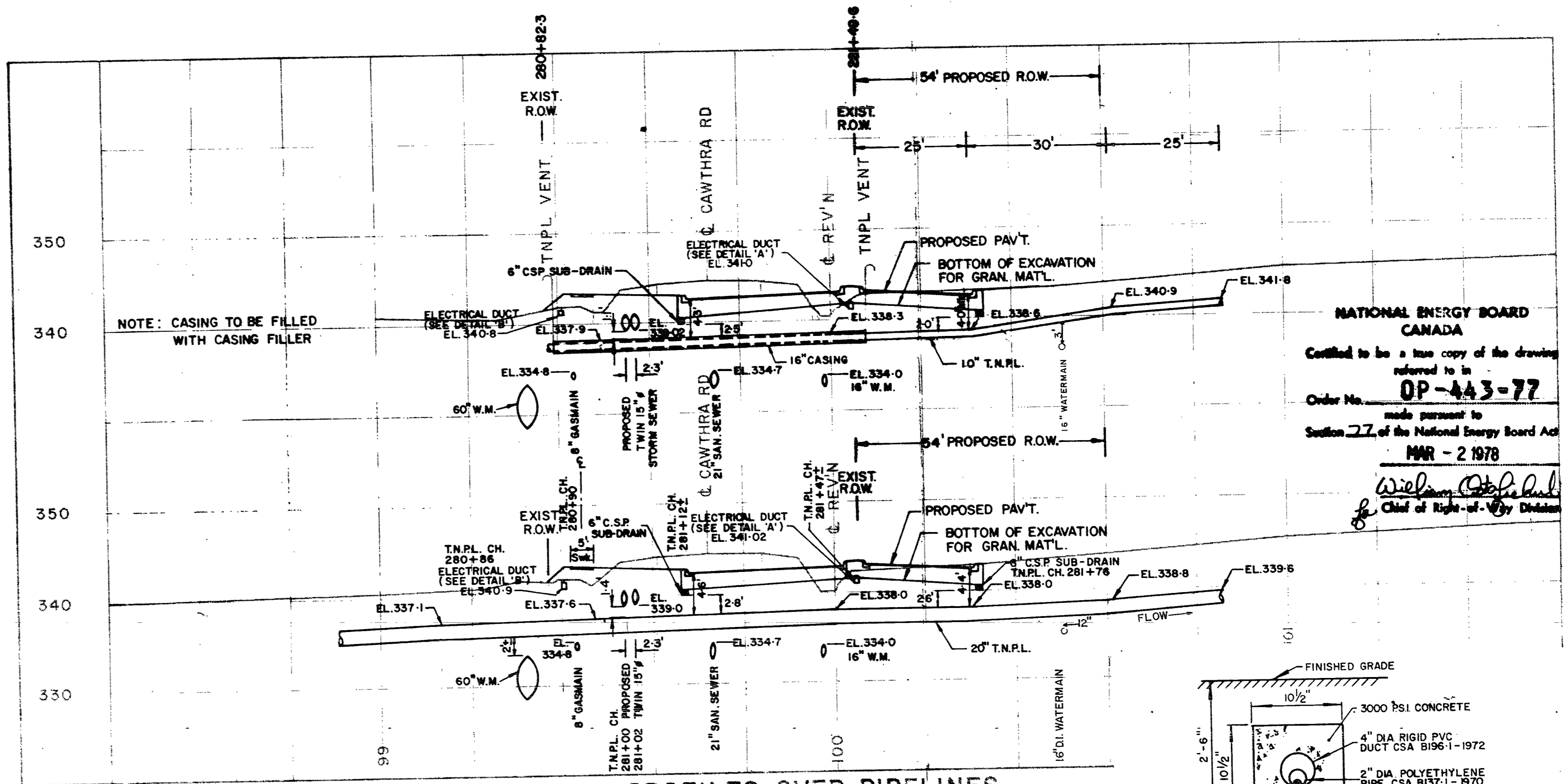
GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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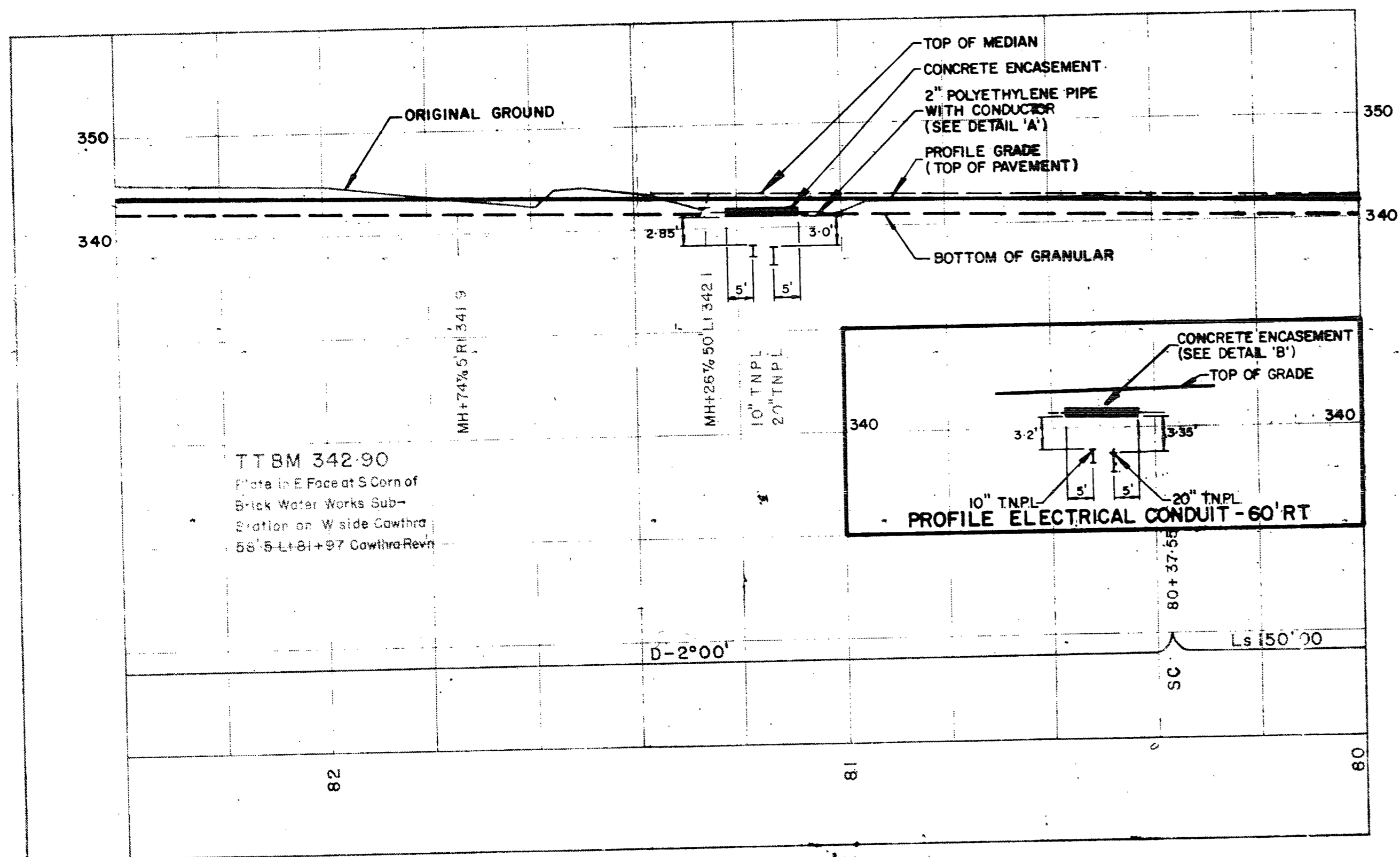
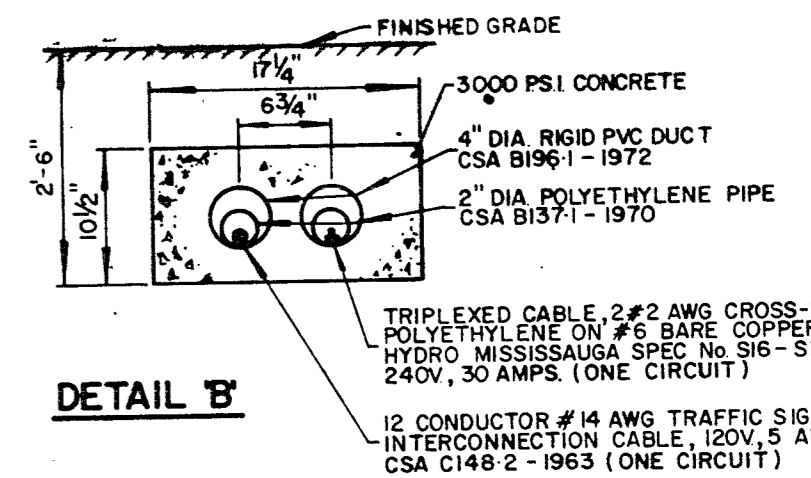
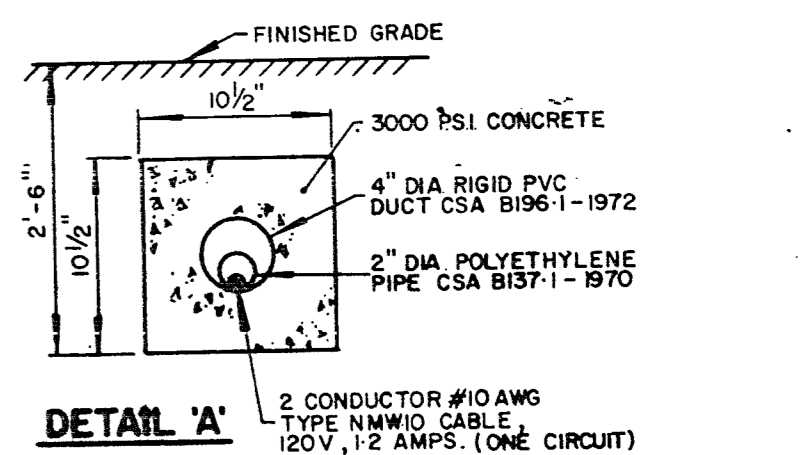


PLAN

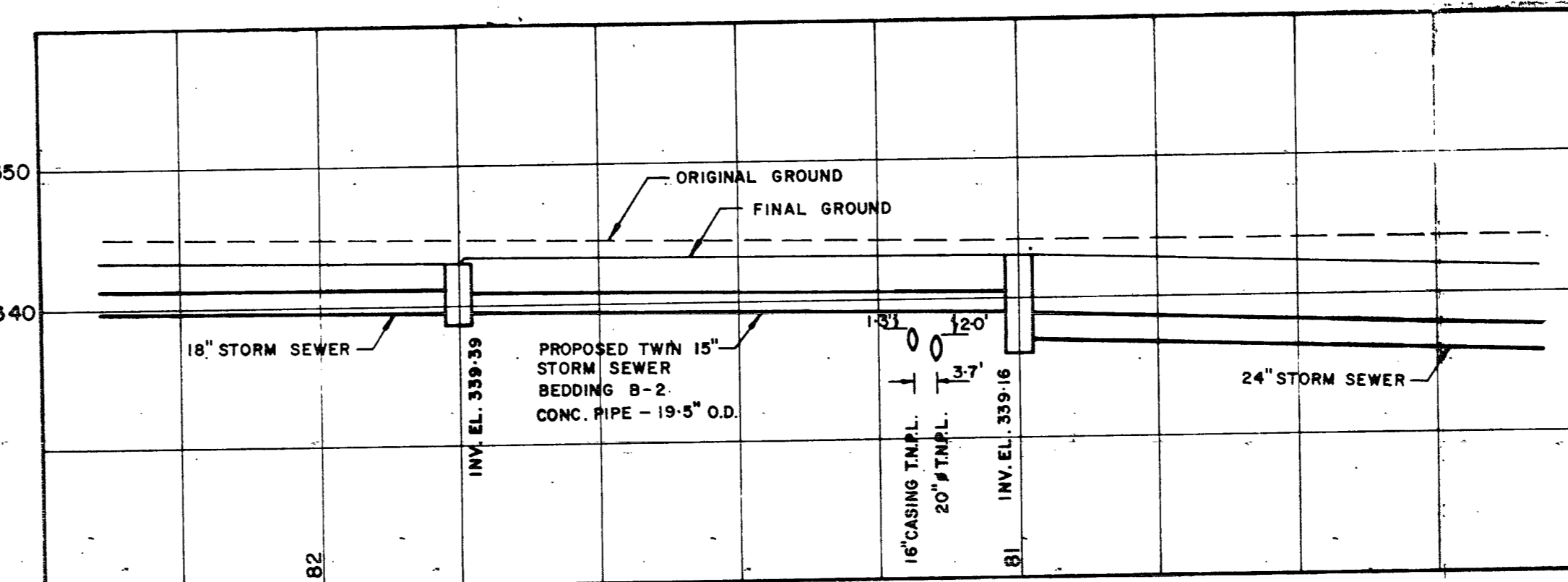


PROFILES OVER PIPELINES

NATIONAL ENERGY BOARD CANADA
 Certified to be a true copy of the drawing referred to in
 Order No. **OP-443-77**
 made pursuant to
 Section 2.7 of the National Energy Board Act
MNR - 2 1978
William D. ...
 Chief of Title-of-File Division



PROF. CAWTHRA RD REV'N

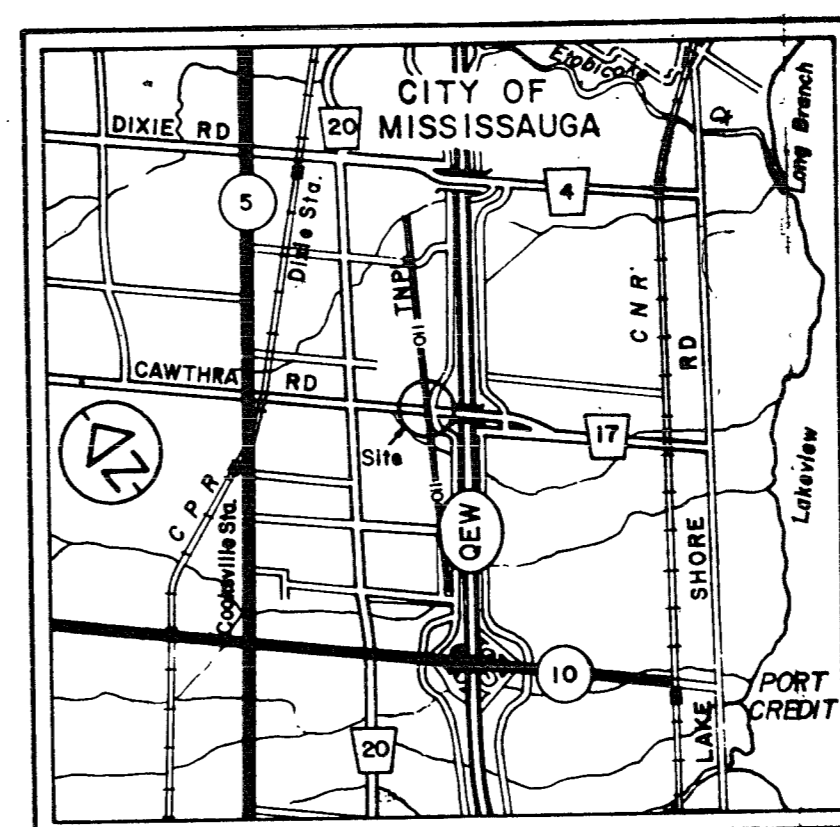


PROPOSED TWIN 15" STORM SEWER CROSSING

PIPELINE SPECIFICATIONS		
SIZE O.D.	10.00"	20.00"
NOMINAL WALL	.307"	.281"
SPECIFICATION GRADE	APISLX46	56
MILL TEST PSI	2240	1420
MAX. WORKING PRESSURE PSI	1200	1200
HYDROSTATIC TEST	1500	1548
EXTERNAL PROTECTION	PLICOFLEX	COAL TAR ENAMEL

CASING PIPE : Size 16" O.D.
 Wall 0.250"
 Spec. APSI 5L Grade B

TRANS-NORTHERN REFERENCE : L-7A R/W-4A
 MILE POST 5.33



KEY PLAN

DATE	REVISIONS	BY	ADDITIONS
MARCH 25/77	EXIST. P, ANGLES, LABELS, CASING.		
NOV. 16/77	ADD T.N.P.L. CHAINAGES.		
4/4/89	16" WATERMAIN		E.R.

MINISTRY OF TRANSPORTATION & COMMUNICATIONS
 ENGINEERING SERVICES OFFICE
 ENGINEERING SURVEYS SECTION

PIPELINE CROSSING PLAN
 CROSSING
 AT
TRANS-NORTHERN PIPELINE
 AND
CAWTHRA ROAD

CITY OF MISSISSAUGA REGIONAL MUNICIPALITY OF PEEL
 FORMERLY DRW. NO. K-81-17

SCALES AS SHOWN	DISTRICT 6 TORONTO	REGION CENTRAL
STUDY PLAN F-82-1	PROFILE	PLAN B-81-142
DATE OF SURVEY FEB 1975	DATE OF PLAN MAY 1975	SITE LA 7, R/W-4.5
W O	TN. FILE 77-E057	PLAN CR-328-2
W P	144-70-02	

SERVICE	ALTMONT
PROJECT	TRANS-NORTHERN PIPELINE CO.
PARTICULARS	TRANS-NORTHERN PIPELINE CO.
DRAWN BY	SAN SEWER REGIONAL MUNICIPALITY OF PEEL
CHECKED	HYDRO MISSISSAUGA
PHONE	BELL CANADA
ADDRESS	REGIONAL MUNICIPALITY OF PEEL
WATER	REGIONAL MUNICIPALITY OF PEEL
BY	MINISTRY OF THE ENVIRONMENT

NO.	1	AS-BUILT	DATE	INITIALS	REVISIONS
NO.	2	FIELD REPORT CHANGES	05-07-88	R.T.M.	
NO.	3	TO 314.1610 WAY LIMS ADDED			
NO.	4				
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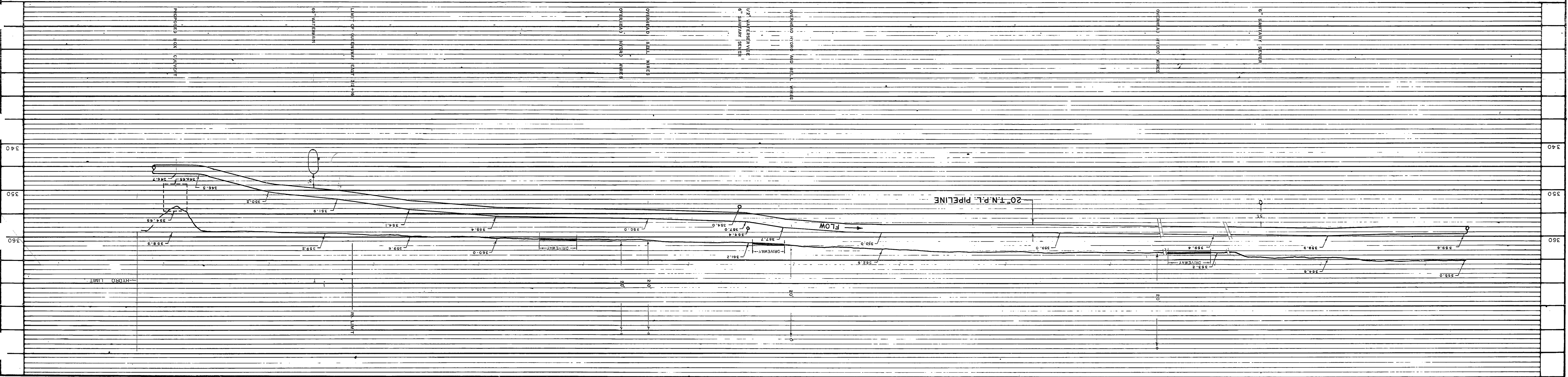
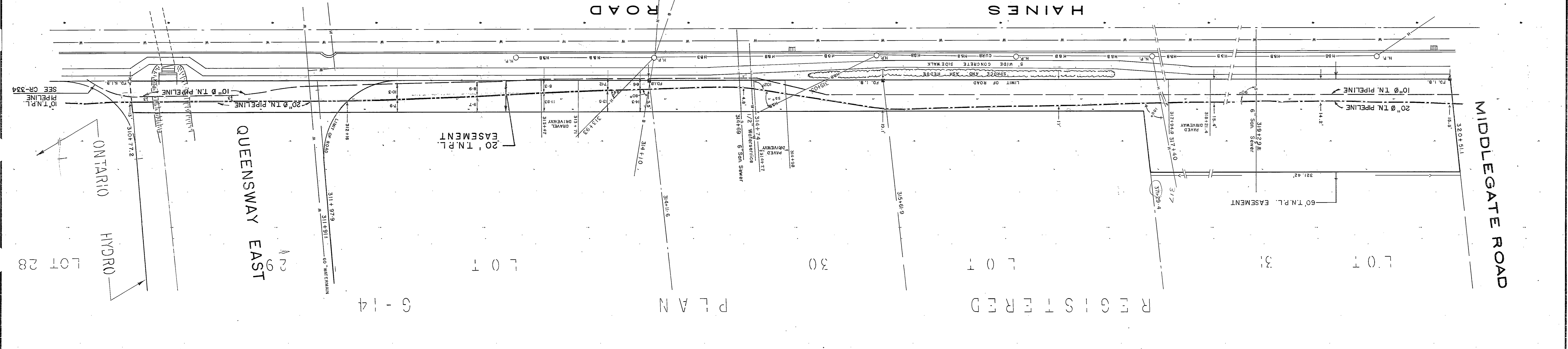
REFERENCE DRAWINGS
 L-9A, R/W L. 2, 3 & 4
 MILE POST 5.90 TO 6.08

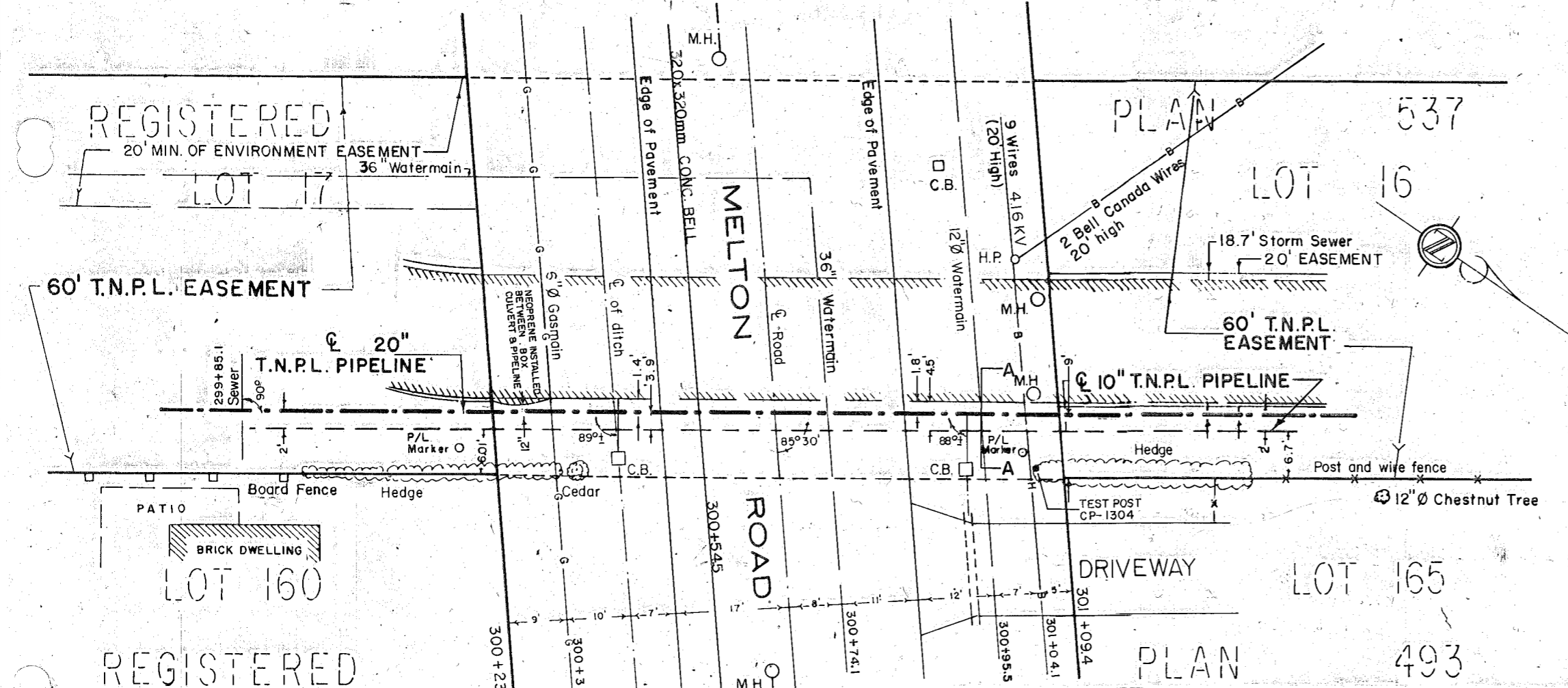
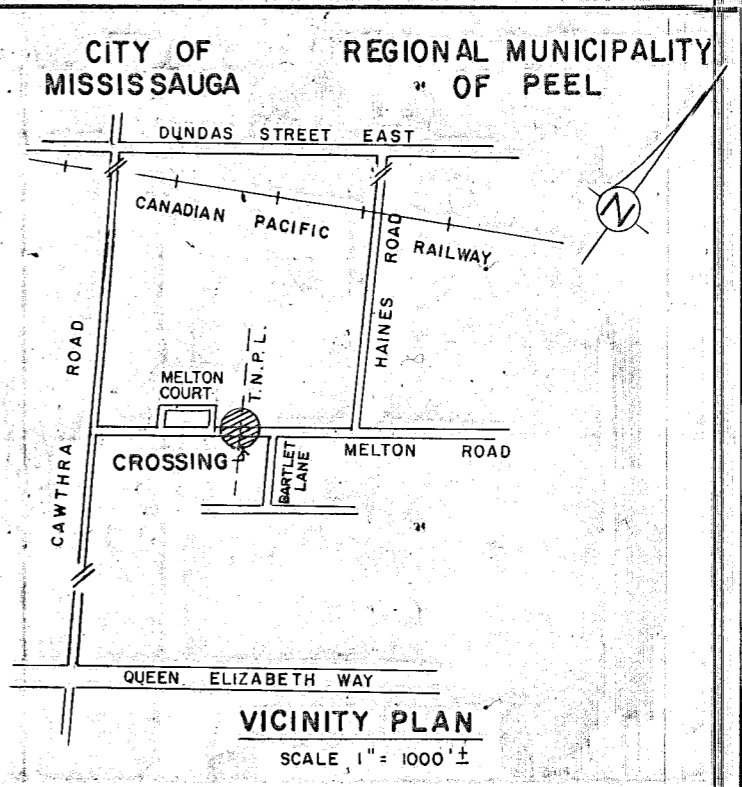
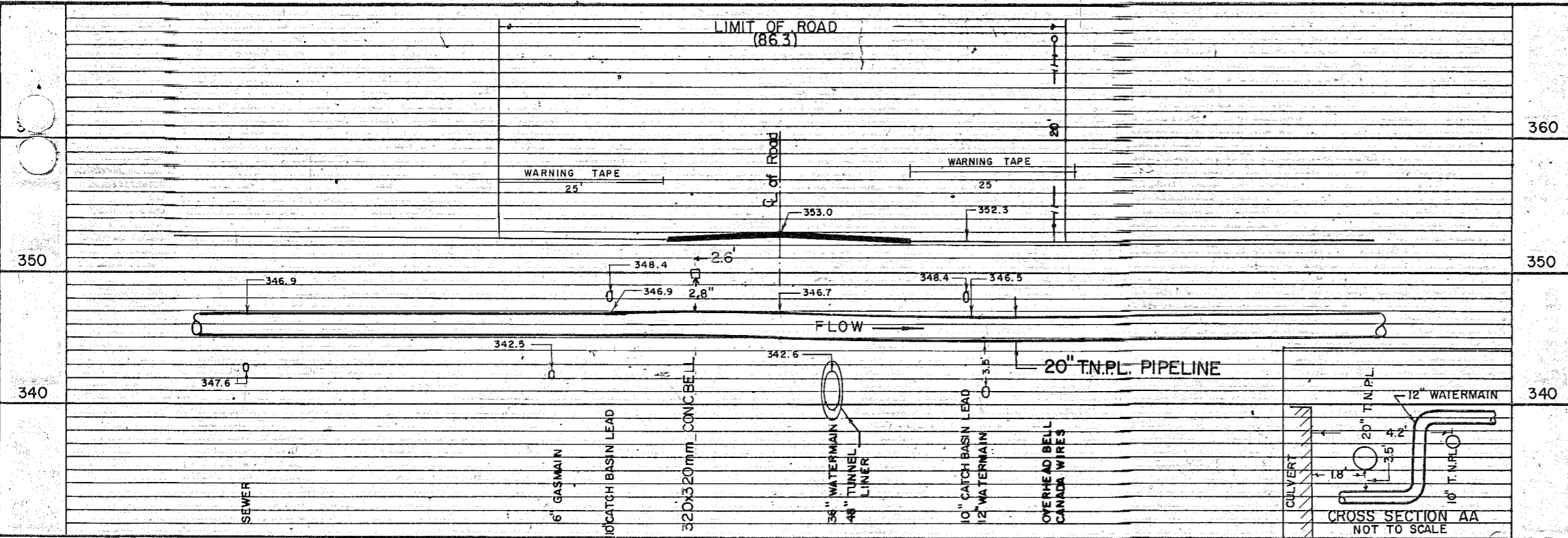
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 MAXIMUM WORKING PRESSURE: 800 PSI
 HYDROSTATIC TEST: 1548 PSI MIN.
 MILE TEST: 1450 PSI
 SIZE: 70.00" O.D.
 NOMINAL WALL: 5.35"
 SPECIFICATION: AWWA, CL12, CS01
 TEST PRESSURE: 600 PSI
 OPERATING PRESSURE: 520 PSI
 60" WATER MAIN

EXTERNAL PROTECTION: COAL TAR ENAMEL

60" WATER MAIN
 SIZE: 70.00" O.D.
 NOMINAL WALL: 5.35"
 SPECIFICATION: AWWA, CL12, CS01
 TEST PRESSURE: 600 PSI
 OPERATING PRESSURE: 520 PSI

VICINITY PLAN
 SCALE: 1" = 1000'
 CITY OF MISSISSAUGA, REGIONAL MUNICIPALITY OF PEEL
 DUNDAS STREET EAST





CARRIER PIPE
 SIZE: 20.00" O.D. NOMINAL WALL 0.281"
 SPECIFICATION: GRADE 56
 MILL TEST: 1420 PSI
 MAXIMUM WORKING PRESSURE: 1200 PSI
 HYDROSTATIC TEST: 1548 PSI
 EXTERNAL PROTECTION: COAL TAR ENAMEL

	6" GAS	12" WATERMAIN	36" WATERMAIN
SIZE (O.D.) (in.)	6.625	13.20	40.50
NOMINAL WALL (in.)	0.156	0.37	3.125
SPECIFICATION	GRADE B	ANSI CLASS 24	CLASS 150
TEST PRESSURE PSI	100 PSI	150 P.S.I.	150 P.S.I.
OPERATING PRESSURE PSI	60 PSI	100 P.S.I.	76 P.S.I.

REFERENCE DRAWINGS
 L-8A, R/W-15A, MILE POST 5.71

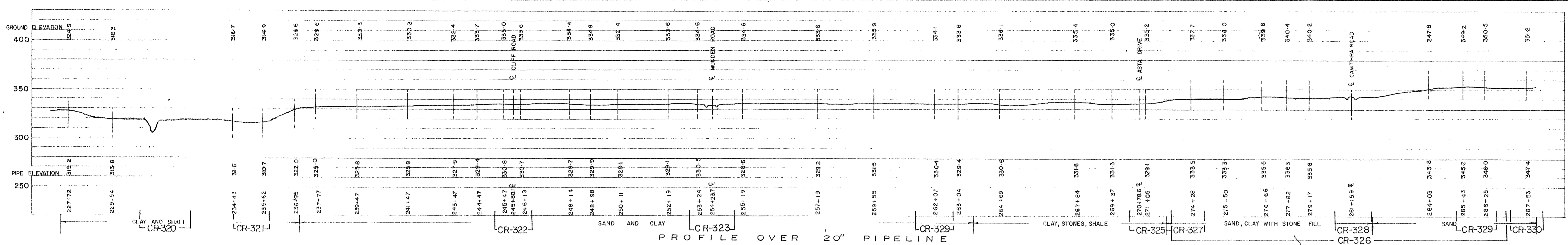
REVISIONS			
No.	REMARKS	DATE	INITIALS
1	AS-BUILT	2/5/75	AK
2	320 x 320mm CONC. BELL	3/89	E.R.

TRANS-NORTHERN PIPE LINE CO.
 TORONTO - ONTARIO
PIPELINE CROSSING
MELTON ROAD

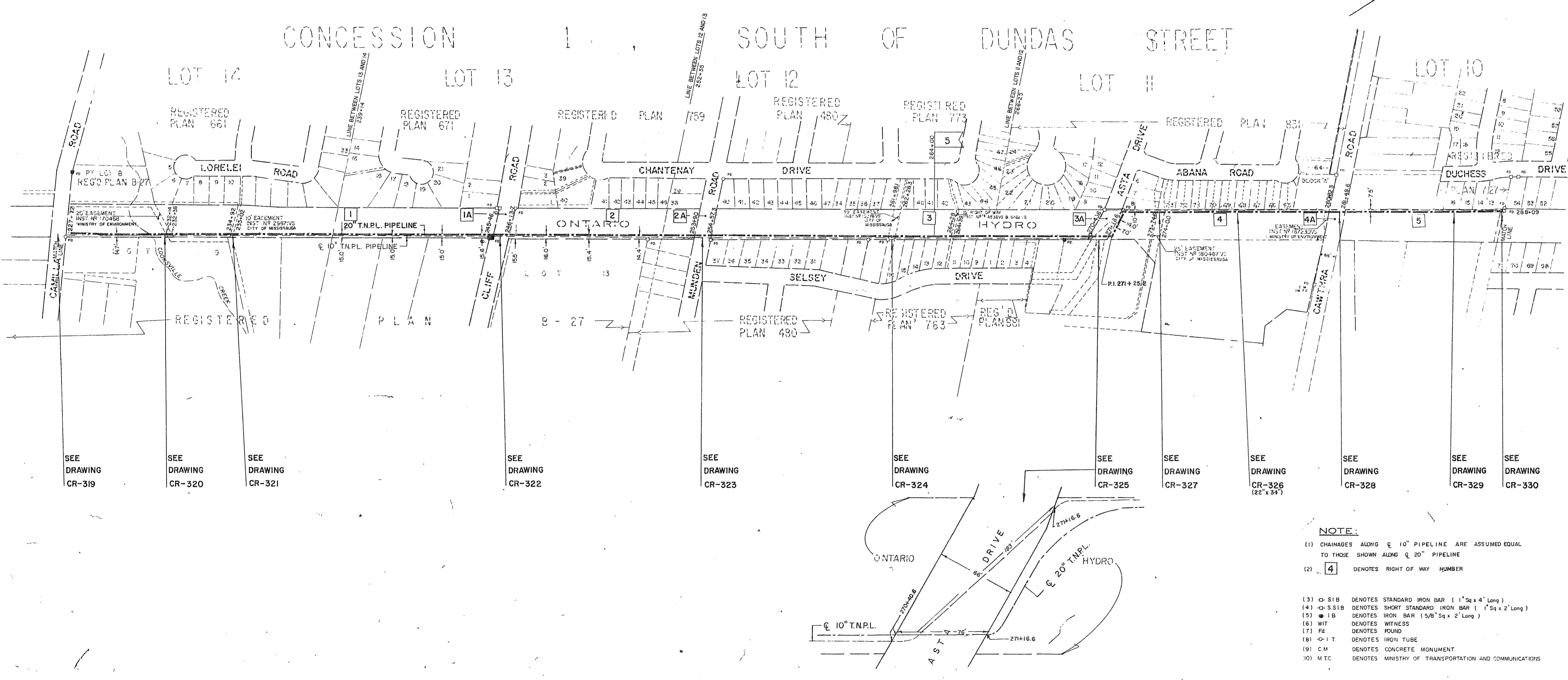
MARSHALL MACKLIN MONAGHAN LIMITED
 DRAWN BY: M.C.O. DWG. No.
 SCALE: Hor. 1" = 20', Ver. 1" = 10'
 CHECKED: J.H.K.
 DATE: AUGUST 16, 1974
 APPROVED: *D. Nelson*
CR
333-20

SERVICE	AUTHORITY
HYDRO	MISSISSAUGA HYDRO
TELEPHONE	BELL CANADA
ROAD	CITY OF MISSISSAUGA
GAS	CONSUMERS GAS CO.
WATER	REGIONAL MUNICIPALITY OF PEEL

C.B. LEAD	CITY OF MISSISSAUGA
WATER (36")	MIN. OF THE ENVIRONMENT



**CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL
(FORMERLY TOWNSHIP OF TORONTO, COUNTY OF PEEL)
1974**



CAUTION:
THIS PLAN IS NOT A PLAN OF SUBDIVISION WITHIN THE MEANING OF SECTION 29, 32 OR 33 OF THE PLANNING ACT

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER PART II OF THE REGISTRY ACT

DATE _____

W. D. BUCK
ONTARIO LAND SURVEYOR

RECEIVED AND DEPOSITED AS
PLAN 43R

DATE _____

LAND REGISTRAR
FOR REGISTRY DIVISION OF PEEL COUNTY
(NO. 43)

**BOOK OF REFERENCE
FOR THE 20" PIPELINE**

No	STATION TO STATION	DISTANCE	AREA	LOT	PLAN OR CON	CITY	OWNER	REMARKS
1	227+72.0	245+46.0	1774.0'	13, 14	I, S.D.S.	CITY OF MISSISSAUGA	ONTARIO HYDRO	
1A	245+46.0	246+13.7	67.7'	13	I, S.D.S.	—	CITY OF MISSISSAUGA	CLIFF ROAD
2	246+13.7	253+90.0	776.3	12, 13	I, S.D.S.	—	ONTARIO HYDRO	
2A	253+90.0	254+57.3	67.3	12	I, S.D.S.	—	CITY OF MISSISSAUGA	MUNDEN ROAD
3	254+57.3	270+40.6	1583.3	11, 12	I, S.D.S.	—	ONTARIO HYDRO	
3A	270+40.6	271+13.6	76'	11	I, S.D.S.	—	CITY OF MISSISSAUGA	ASTA DRIVE
4	271+13.6	280+82.3	965.7'	11	I, S.D.S.	—	ONTARIO HYDRO	
4A	280+82.3	281+49.6	67.3'	11	I, S.D.S.	—	CITY OF MISSISSAUGA	CAWTHRA ROAD
5	281+49.6	288+09.0	659.4'	10	I, S.D.S.	—	ONTARIO HYDRO	

FOR THE 10" PIPELINE

No	STATION TO STATION	DISTANCE	AREA	LOT	PLAN OR CON	CITY	OWNER	REMARKS	
1	227+72.0	245+46.0	1774.0'	0.407	13, 14	I, S.D.S.	MISSISSAUGA	10' RIGHT OF OCCUPANCY BY INST. NO. 80974V.S.	
1A	245+46.0	246+13.7	67.7'	13	II	—	CITY OF MISSISSAUGA	CLIFF ROAD	
2	246+13.7	253+90.0	776.3'	0.178	12, 13	II	—	ONTARIO HYDRO	INST. NO. 80974V.S.
2A	253+90.0	254+57.3	67.3'	12	II	—	CITY OF MISSISSAUGA	MUNDEN ROAD	
3	254+57.3	270+40.6	1583.3'	0.362	11, 12	II	—	ONTARIO HYDRO	10' RIGHT OF OCCUPANCY BY INST. NO. 80974 V.S.
3A	270+40.6	271+13.6	76'	11	II	—	CITY OF MISSISSAUGA	ASTA DRIVE	
4	271+13.6	280+82.3	965.7'	0.060	11	II	—	ONTARIO HYDRO	3' RIGHT OF OCCUPANCY BY INST. NO. 80974V.S.
4A	280+82.3	281+49.6	67.3'	11	II	—	CITY OF MISSISSAUGA	CAWTHRA ROAD	
5	281+49.6	288+09.0	659.4'	0.023	10	II	—	ONTARIO HYDRO	3' RIGHT OF OCCUPANCY BY INST. NO. 80974V.S.

REVISIONS

No.	REMARKS	DATE	INITIALS
1	AS BUILT	11/8/78	J.K.
2	THIS PLAN ENCOMPASSES PLANS MP-69, RW-29 TO MP-70, RW-2	12/4/78	G.C.R.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT

- This survey and plan are correct and in accordance with The Surveys Act and The Registry Act and the regulations made thereunder;
- The survey was completed on the _____ day of _____ 19__.

Marshall Mocklin Monaghan Limited
ONTARIO LAND SURVEYORS

DATE: _____ W.D. BUCK, ONTARIO LAND SURVEYOR

- NOTE:**
- (1) CHAINAGES ALONG 10" PIPELINE ARE ASSUMED EQUAL TO THOSE SHOWN ALONG 20" PIPELINE
 - (2) [4] DENOTES RIGHT OF WAY NUMBER
 - (3) S-I-B DENOTES STANDARD IRON BAR (1" Sq x 4' Long)
 - (4) S-S-I-B DENOTES SHORT STANDARD IRON BAR (1" Sq x 2' Long)
 - (5) I-B DENOTES IRON BAR (5/8" Sq x 2' Long)
 - (6) WIT DENOTES WITNESS
 - (7) Fd DENOTES FOUND
 - (8) I-T DENOTES IRON TUBE
 - (9) C-M DENOTES CONCRETE MONUMENT
 - (10) M.T.C DENOTES MINISTRY OF TRANSPORTATION AND COMMUNICATIONS

TRANS-NORTHERN PIPE LINE COMPANY
TORONTO - ONTARIO

10" & 20" PIPELINE LOCATION PLAN
227+72.0 TO 288+09

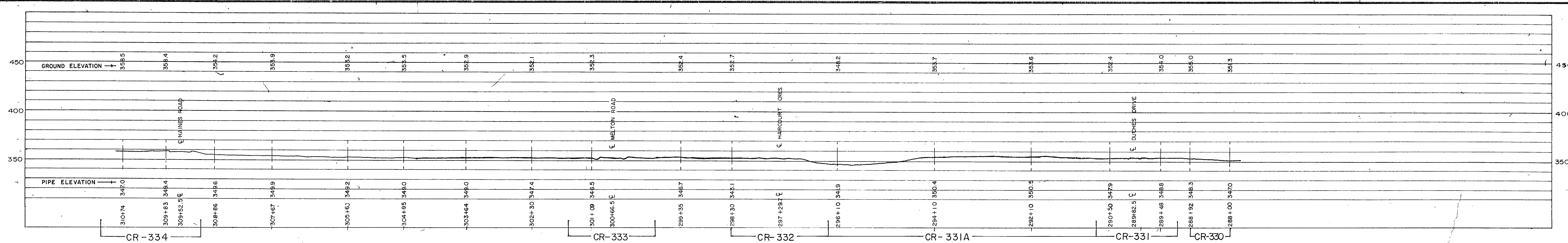
APPROVED BY: *S. Nelson*

DATE: 12/18/74

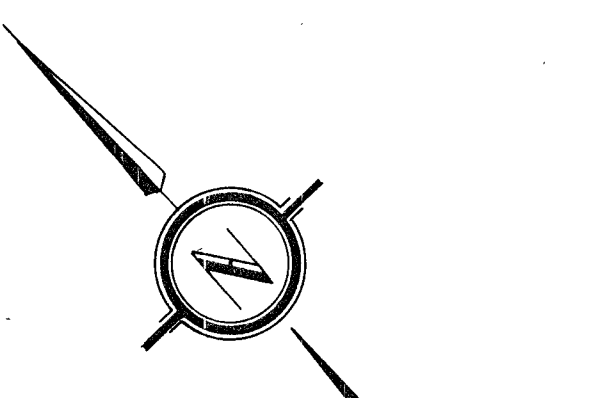
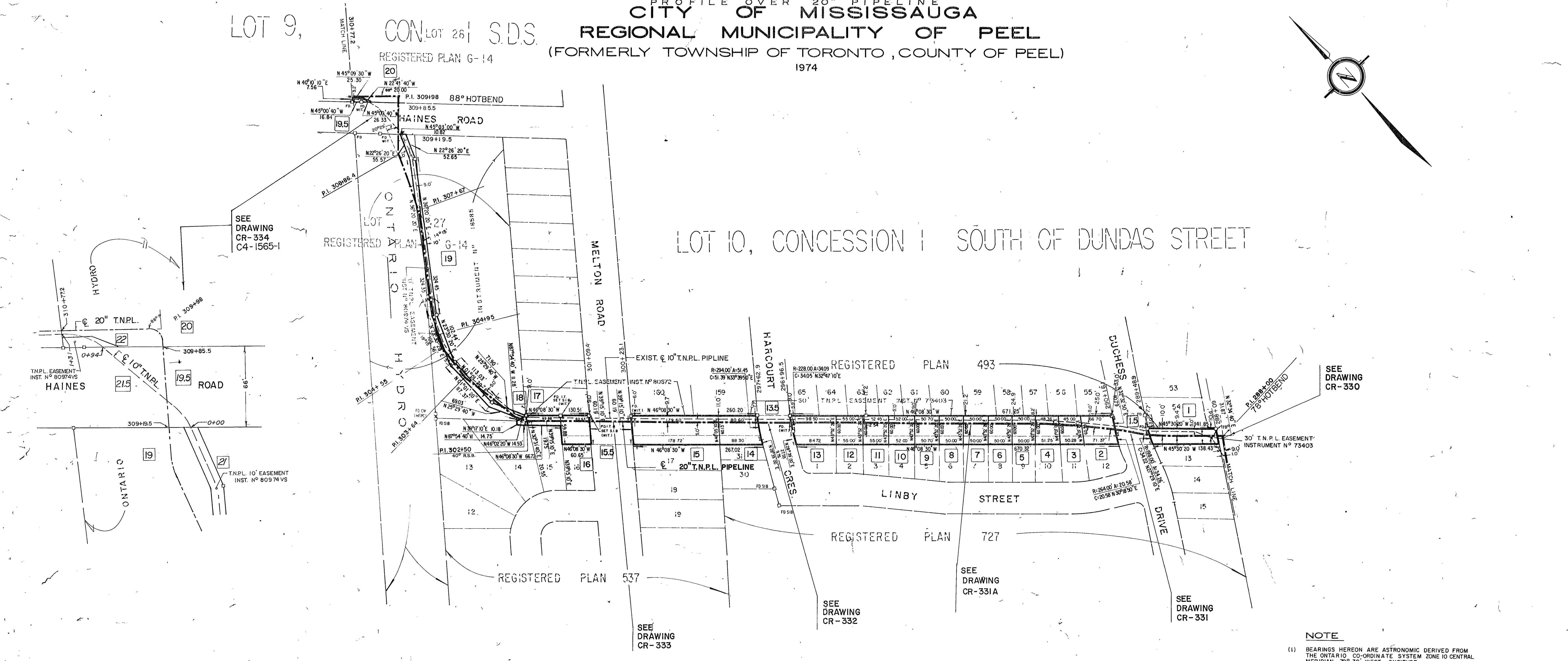
SCALE: HORIZONTAL 1" = 200'
VERTICAL 1" = 50'

CHECKED BY: J.K.

DWG. NO. **L-7A**



PROFILE OVER 20" PIPELINE
CITY OF MISSISSAUGA
 REGIONAL MUNICIPALITY OF PEEL
 (FORMERLY TOWNSHIP OF TORONTO, COUNTY OF PEEL)
 1974



CAUTION:
 THIS PLAN IS NOT A PLAN OF SUBDIVISION WITHIN THE MEANING OF SECTION 29, 32 OR 33 OF THE PLANNING ACT.

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER PART II OF THE REGISTRY ACT.

DATE _____

W. D. BUCK
 ONTARIO LAND SURVEYOR

RECEIVED AND DEPOSITED AS
PLAN 43R

DATE _____

LAND REGISTRAR
 FOR REGISTRY DIVISION OF PEEL COUNTY (NO 43)

BOOK OF REFERENCE FOR THE 10" & 20" PIPELINES

No	STATION TO STATION	DISTANCE	AREA ACRES	LOT	PLAN OR CON.	CITY	OWNER	REMARKS	
1	288+09	289+48.9	139.9'	0.106	13	727	CITY OF MISSISSAUGA	K. H. WAITES	30' EASEMENT BY INST. N° 80672
1.5	289+48.9	290+116.1	67.2'	---	---	---	CITY OF MISSISSAUGA	---	DUCHESS DRIVE
2	290+116.1	290+834	73.3'	0.096	12	727	---	G. P. GOURLAY	60' EASEMENT BY INST. N° 73403
3	290+834	291+359	46.5'	0.095	11	---	---	H. PRISTOL	---
4	291+359	291+85.3	49.4'	0.068	10	---	---	C. H. McC DAID	---
5	291+85.3	292+35.3	50.0'	0.069	9	---	---	W. G. MORRISON	---
6	292+35.3	292+85.3	50.0'	0.069	8	---	---	R. W. TEPPO	---
7	292+85.3	293+35.3	50.0'	0.069	7	---	---	---	---
8	293+35.3	293+85.3	50.0'	0.069	6	---	---	S. G. PETURSSON	---
9	293+85.3	294+35	50.7'	0.070	5	---	---	H. MIKI	---
10	294+35	294+88	52.0'	0.072	4	---	---	E. T. LAIN	---
11	294+88	295+43	55.0'	0.074	3	---	---	F. DAVIS	---
12	295+43	295+98	55.0'	0.076	2	---	---	W. CLEAVELEY	---
13	295+98	296+96.5	98.5'	0.128	1	---	---	G. GUTHRIE	---
13.5	296+96.5	297+62.9	66.4'	---	---	---	CITY OF MISSISSAUGA	---	HARCOURT CRESC.
14	297+62.9	298+43.4	80.5'	0.118	31	727	---	G. AZVEDO	---
15	298+43.4	300+23.1	179.7'	0.247	17	537	---	H. SIMPSON	EASEMENT BY INST. N° 80672
15.5	300+23.1	301+09.4	86.3'	---	---	---	CITY OF MISSISSAUGA	---	MELTON ROAD
16	301+09.4	301+70	60.6'	0.084	16	---	---	C. JUDSON	80 672
17	301+70	302+399	69.9'	0.032	15	---	---	C. THOMPSON	80 672

FOR THE 20" PIPELINE ONLY

18	302+399	302+519	12.0'	0.003	14	6-14	---	A. W. CROWTHER	EASEMENT BY INST. N° 80672
19	302+519	309+195	667.6'	---	27	6-14	---	ONTARIO HYDRO	---
19.5	309+195	309+85.5	66.0'	---	---	---	---	CITY OF MISSISSAUGA	HAINES ROAD
20	309+85.5	310+77.2	91.7'	---	28	6-14	---	ONTARIO HYDRO	---

FOR THE 10" PIPELINE ONLY

21	302+519	309+195	667.6'	0.153	27	6-14	---	ONTARIO HYDRO	10' EASEMENT BY INST. N° 80974VS
21.5	309+195	0+94	94'	---	---	---	---	CITY OF MISSISSAUGA	HAINES ROAD
22	0+94	1+31	37'	0.005	28	6-14	---	ONTARIO HYDRO	EASEMENT BY INST. N° 80974 V.S.

REVISIONS

N°	REMARKS	DATE	INITIALS
1	AS-BUILT	2/5/78	JK
2	THIS PLAN ENCOMPASSES PLAN MR-69, R/W-22-2 TO R/W-2-2	1/4/78	B.C.R.
3	UPDATED	1/2/80	BR

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT

- This survey and plan are correct and in accordance with the Surveys Act and The Registry Act and the regulations made thereunder.
- The survey was completed on the _____ day of _____ 19____.

Marshall Macklin Monaghan Limited
 ONTARIO LAND SURVEYORS

DATE _____ ONTARIO LAND SURVEYOR

THE LOCATION OF THE 10" PIPELINE IS DIFFERENT FROM THE 20" PIPELINE FROM CHAINAGE 302+519 TO 310+77.2

- NOTE**
- BEARINGS HEREON ARE ASTRONOMIC DERIVED FROM THE ONTARIO CO-ORDINATE SYSTEM ZONE 10 CENTRAL MERIDIAN 79° 30' WEST LONGITUDE.
 - ALL HANGING LINES HAVE BEEN VERIFIED.
 - S.I.B. DENOTES STANDARD IRON BAR. (1" Sq. x 4' Long)
 - S.S.I.B. DENOTES SHORT STANDARD IRON BAR. (1" Sq. x 2' Long)
 - I.B. DENOTES IRON BAR. (5/8" Sq. x 2' Long)
 - I.T. DENOTES IRON TUBE
 - T.N.P.L. DENOTES TRANS NORTHERN PIPELINE COMPANY
 - (VERTICAL CHAINAGES) CHAINAGES ALONG 10" PIPELINE ARE ASSUMED EQUAL TO THOSE SHOWN ALONG 20" PIPELINE
 - (RIGHT SLANT CHAINAGES) CHAINAGES CALCULATED ALONG 10" PIPELINE WHERE IT DEVIATES FROM THE 20" PIPELINE
 - 10" PIPELINE DENOTES RIGHT OF WAY NUMBER
 - 10" PIPELINE DENOTES RIGHT OF WAY NUMBER - 10" PIPELINE ONLY

TRANS-NORTHERN PIPE LINE COMPANY
 TORONTO - ONTARIO

10" & 20" PIPELINE LOCATION PLAN
 288+09 TO 310+77.2

APPROVED: *D. Nelson*

DATE: 1/5/78

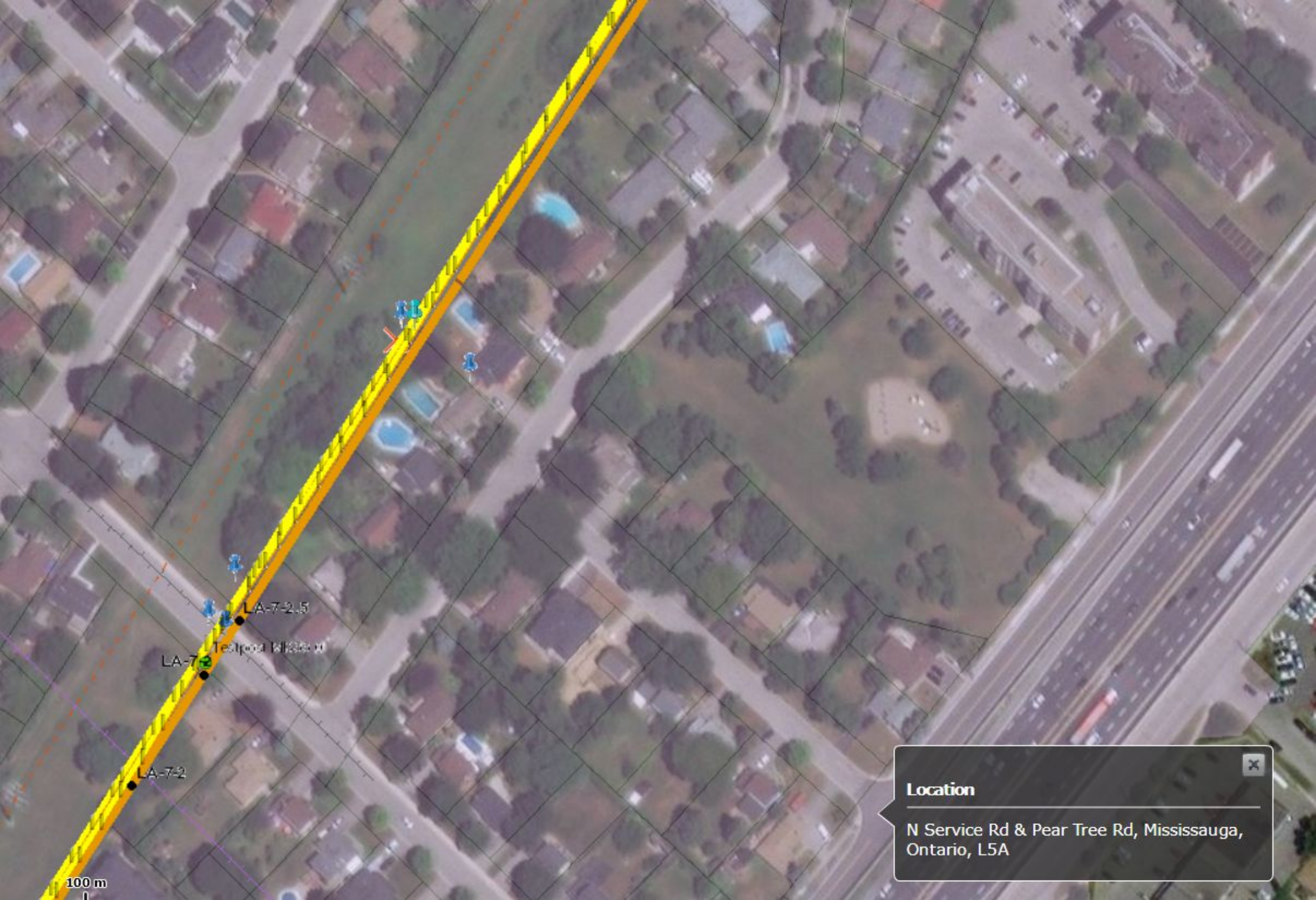
SCALE: HORIZONTAL: 1" = 100'
 VERTICAL: 1" = 50'

DRAWN BY: M.C.O.

CHECKED BY: J.H.K.

DWG. NO. **L-8A**





100 m

LA-7-2

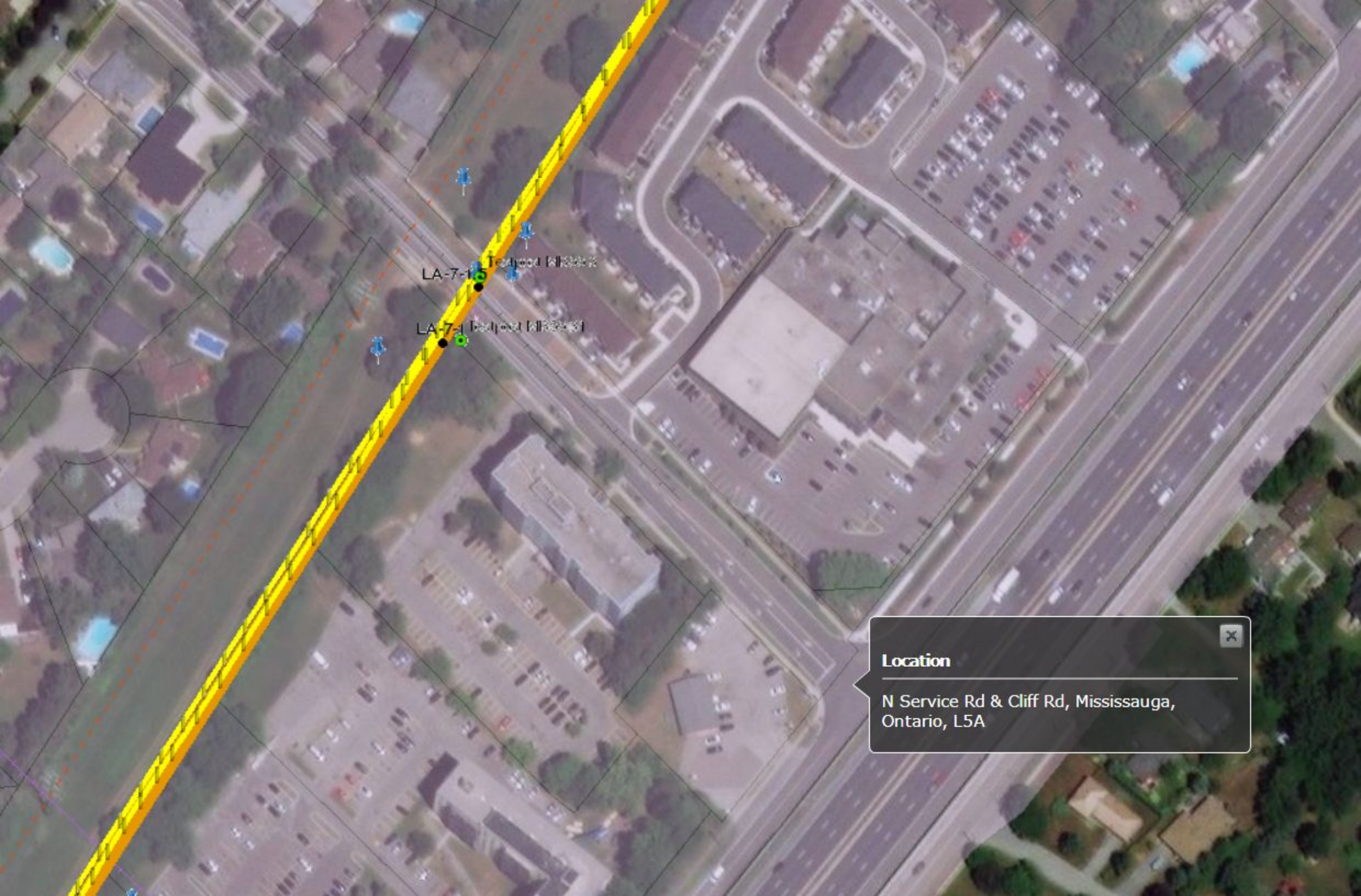
LA-7-2

Textpost 81236 W

LA-7-2.5

Location

N Service Rd & Pear Tree Rd, Mississauga,
Ontario, L5A



LA-7-15 Textpoint K1R33576

LA-7-16 Textpoint K1R33581

Location
N Service Rd & Cliff Rd, Mississauga,
Ontario, L5A



May 20, 2020
Our File: 718018

Mr. Cliff Lee
Coordinator, Crossings & Facilities
Trans-Northern Pipeline Inc.
45 Vogell Road, Suite 310
Richmond Hill, Ontario L4B 3P6

Re: Region of Peel Wastewater Capacity Improvement for Central Mississauga Class Environmental Assessment

Dear Mr. Cliff Lee,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment (Class EA) for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

On December 2, 2019, a consultation letter was sent to advise Trans-Northern Pipeline Inc. (TNPI) of the short list of alternative servicing strategies. We received feedback from TNPI including TNPI owned infrastructure mapping. The project team evaluated the short list based on the information collected through the Class EA process and presented the preliminary preferred servicing strategy (Attachment 1) to the public on March 10, 2020.

We understand that TNPI currently owns infrastructure within the study area, however, only one pipeline crosses the preferred alignment at Haines Road and Queensway East. At this time, we would appreciate your assistance and ask that you review the preferred strategy and provide additional mapping of TNPI owned assets (above and below ground) within or adjacent to the preferred alignments. Any potential locations for future infrastructure would also be helpful in establishing any site constraints as we further refine the servicing strategy including construction shaft locations and refined sewer alignments.

Furthermore, we would like to request a review of protocols/standards, minimum asset clearances and any other input that you can provide at this stage that would assist us in the conceptual design evaluation and preliminary design phase of this project. Once the preferred design of the alignments and shaft sites has been selected, the project team can provide alignment drawings and shaft site requirements and layouts. A meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

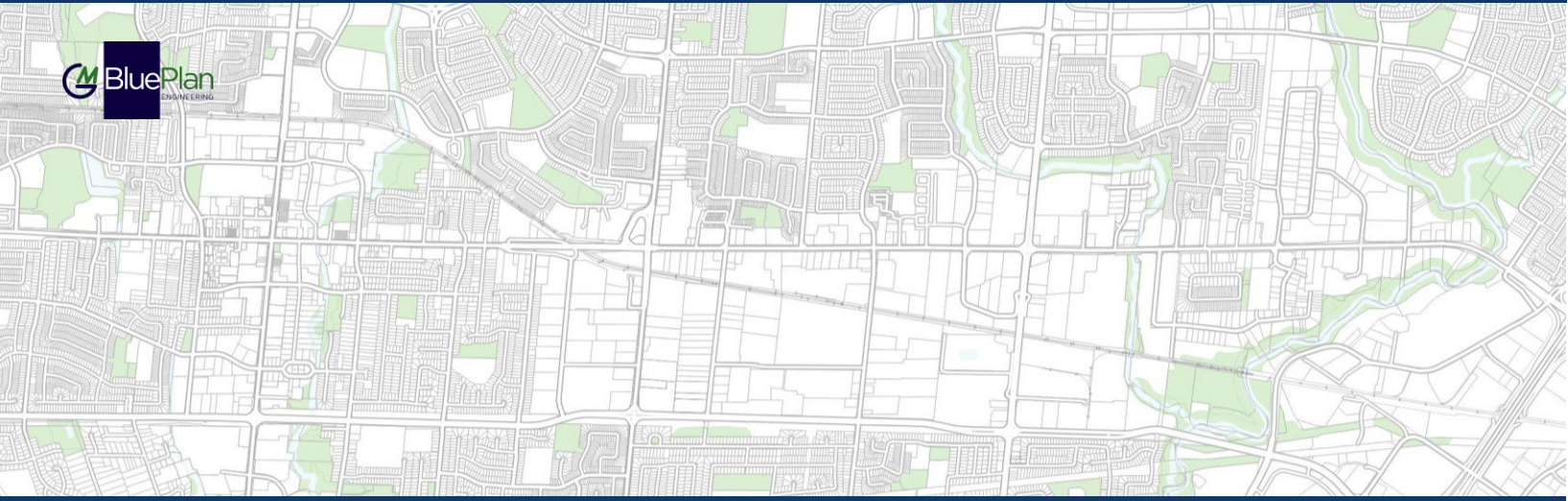
Per:

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Justin Lee, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preferred Solution (Map)



REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

Ontario Power Generation Inc. (OPG)



December 2, 2019

Our File: 718018

Ms. Tammy Wong
Senior Environment Specialist
Municipal Coordination Advisor/GTA Project Planner
Ontario Power Generation
700 University Avenue
Toronto, ON M5G 1X6

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

Dear Ms. Tammy Wong,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any Ontario Power Generation operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell', written over a light blue grid background.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 04, 2019 1:11 PM
To: 'tammy.wong@opg.com'
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ OPG.pdf

Hello Ms. Tammy Wong,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: WONG Tammy -ENV H&S <tammy.wong@opg.com>
Sent: Thursday, December 19, 2019 10:53 AM
To: Sandra Anastasio - GM BluePlan
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'; DENNIS Braden -ENV H&S; MEDEIROS Barbara -ENV H&S
Subject: RE: Region of Peel Central Mississauga EA

Hi Sandra,

Thank you for consulting OPG. We have determined that this project is not expected to impact OPG's real estate and operations. Can you please remove us from this distribution list?

Happy holidays,

Tammy Wong
Sr. Environment Specialist
Ontario Power Generation
Tammy.wong@opg.com | 416-592-4548

From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, December 4, 2019 1:11 PM
To: WONG Tammy -ENV H&S <tammy.wong@opg.com>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: Region of Peel Central Mississauga EA

***** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. *****

Hello Ms. Tammy Wong,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf

Please let me know if you have any questions.

Thank you,

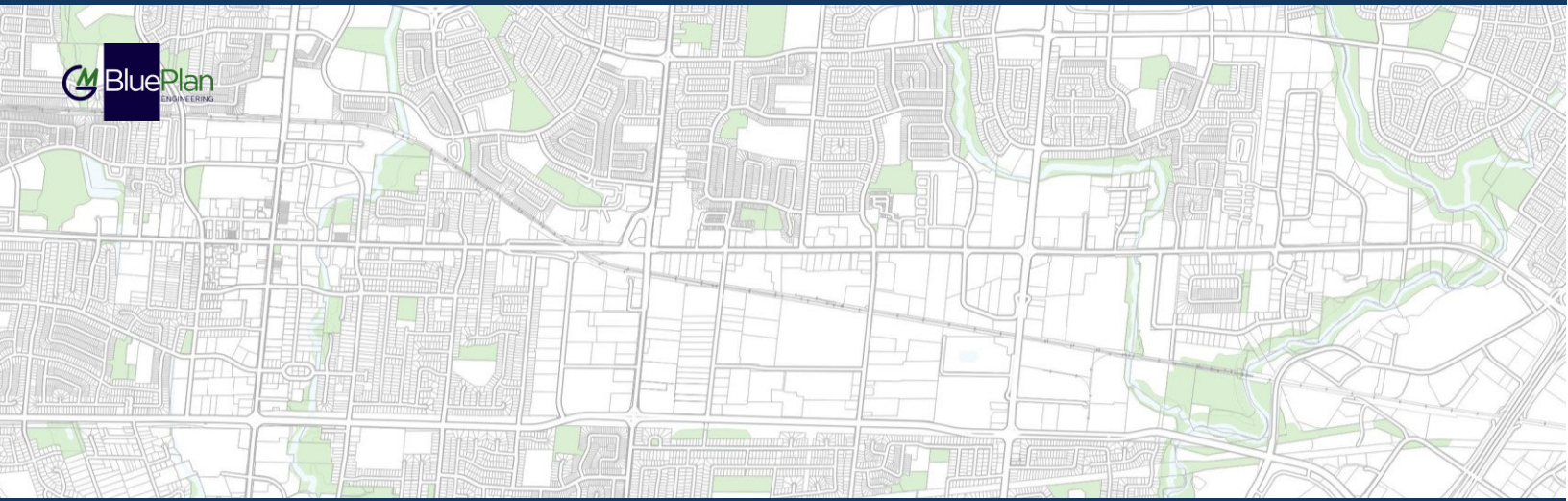
Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Utility Consultation

TransCanada Pipelines (TC)



December 2, 2019

Our File: 718018

Mr. Brian MacDonnell
Senior Land Representative
TC Energy
450 - 1 Street S.W.
Calgary, Ontario T2P 5H1

Re: Region of Peel Wastewater Capacity Improvement
for Central Mississauga Class Environmental
Assessment

To Mr. Brian MacDonnell,

GM BluePlan Engineering Limited has been retained by the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga to investigate alternative long-term servicing strategies, routes and design concepts for the Central Mississauga wastewater system.

The project team is currently in the stages of evaluating alternative alignments and tunnel shaft locations. At this time, we would appreciate your assistance and ask that you review the attached mapping and provide locations and comments regarding any TC Energy operated infrastructure to assist us in establishing an inventory at each site. Any potential locations for future infrastructure would also be helpful in establishing any site constraints.

Furthermore, if any infrastructure is located within or adjacent to any preliminary shaft location, we would like to request a review of infrastructure coordination protocols/standards and any other input that you can provide at this stage. Once preliminary preferred alignments and shaft locations have been identified, a meeting can be coordinated in the future as required.

Should you have any questions or require any further information, please do not hesitate to contact me at 416-703-0667 or via email at chris.campbell@gmblueplan.ca.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:

A handwritten signature in blue ink, appearing to read 'Chris Campbell'.

Chris Campbell,
Infrastructure Planning, Project Manager

cc: Laura Borowiec, Project Manager, Region of Peel

encl.

- Attachment 1: Peel Central Mississauga EA – Preliminary Short Listed Sites (map)

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, December 04, 2019 11:12 AM
To: 'brian_macdonnell@transcanada.com'
Cc: Chris Campbell - GM BluePlan; 'Laura Borowiec (laura.borowiec@peelregion.ca)'
Subject: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ TC Energy.pdf

Hello Mr. Brian MacDonnell,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

[https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA -
_Preliminary_Short_Listed_Sites.pdf](https://sendfile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf)

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Darlene Quilty <dquilty@mhbcplan.com>
Sent: Wednesday, December 18, 2019 9:21 AM
To: Sandra Anastasio - GM BluePlan
Subject: FW: Region of Peel Central Mississauga EA
Attachments: 20191202 Peel Central Mississauga EA_ TC Energy.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good Morning Sandra,

With respect to your request below, TC Energy does not have any pipelines within the study area.

Thank you,

DARLENE QUILTY | Planning Co-ordinator

MHBC Planning, Urban Design & Landscape Architecture
On behalf of TransCanada PipeLines Limited

113 Collier St. | Barrie | ON | L4M 1H2 | T 705 728 0045 x 243 | C 705 627 2302 | dquilty@mhbcplan.com |

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From: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Sent: Wednesday, December 4, 2019 11:12 AM
To: Brian MacDonnell <brian_macdonnell@tcenergy.com>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Laura Borowiec (laura.borowiec@peelregion.ca)' <laura.borowiec@peelregion.ca>
Subject: [EXTERNAL] Region of Peel Central Mississauga EA

Hello Mr. Brian MacDonnell,

GM BluePlan Engineering is currently working with the Region of Peel to conduct a Class Environmental Assessment for the Wastewater Capacity Improvements for Central Mississauga. Please find attached a letter and mapping (link below) regarding the alternative alignments and preliminary tunnel shaft locations for your review and comment.

https://sendafile.gmblueplan.ca/uploads/12-04-19_082956_Peel_Central_Mississauga_EA_-_Preliminary_Short_Listed_Sites.pdf

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPt
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



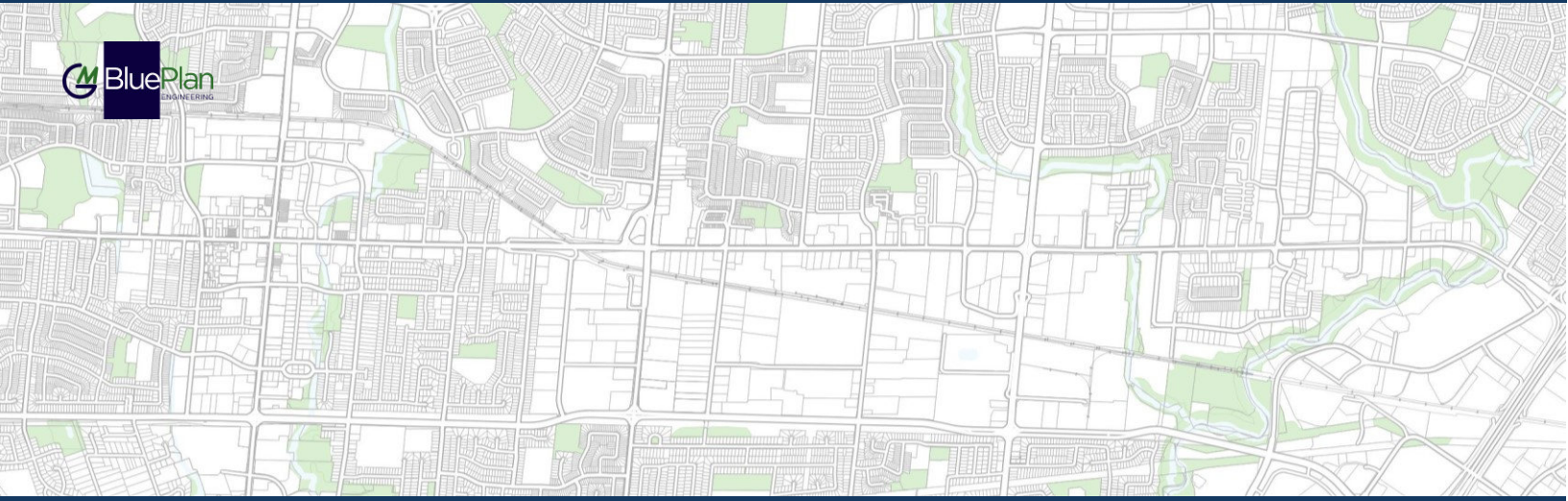
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REGION OF PEEL

WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Public and Interested Stakeholders

Sandra Anastasio - GM BluePlan

From: Borowiec, Laura <laura.borowiec@peelregion.ca>
Sent: Tuesday, October 29, 2019 9:26 AM
To: Zuliana Mawani
Cc: Chris Campbell - GM BluePlan; Sandra Anastasio - GM BluePlan
Subject: RE: Wastewater Capacity Expansion EA

Follow Up Flag: FollowUp
Flag Status: Flagged

Good morning Zuliana,

Thank you for your email and your interest in the Class EA for the Wastewater Capacity Improvements in Central Mississauga.

We will add your name to our study contact list.

Have a great day.

Laura Borowiec, P.Eng.
Project Manager
Infrastructure Planning & Studies, Growth, Groundwater & Source Water Protection Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
905-791-7800 Ext. 7681

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-----Original Message-----

From: Zuliana Mawani <zuliana.mawani@ghd.com>
Sent: October 29, 2019 9:10 AM
To: Borowiec, Laura <laura.borowiec@peelregion.ca>
Subject: Wastewater Capacity Expansion EA

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

Web Form Title :: Project Manager

This email was sent by the following person. Please reply to them:

Sender's Name: Zuliana Mawani
Sender's Email: zuliana.mawani@ghd.com

The message was submitted through an Automated Email Service on Peel's Website Tue Oct 29 09:10:15 2019:

Hello - I would like to be added to the mailing list for this EA.

Thank you!

It is the Region of Peel's policy to reply to e-mails within two working days.

For assistance, please contact the webmaster@peelregion.ca

:: NOTE ABOUT CONTACT INFORMATION ::

Contact information can be forged. There is no way to accurately verify a person's name and email address on the Internet.

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Monday, March 02, 2020 3:55 PM
To: [REDACTED]
Subject: RE: Wastewater Capacity Improvements - Notice of Public Information Centre No. 1

Hi [REDACTED],

Thank you for your email and interest in the project. I will add your email to our mailing list.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: [REDACTED]
Sent: March 2, 2020 3:51 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: Re: Wastewater Capacity Improvements - Notice of Public Information Centre No. 1

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

Please add our names to your mailing list so we can receive further updates / information about the project.

[REDACTED]
E- Mail address - [REDACTED]

Thank you

[REDACTED]
[Sent from Yahoo Mail for iPad](#)

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Wednesday, June 09, 2021 1:20 PM
To: Rogers, Joanne
Cc: Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan
Subject: RE: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Joanne,

Good afternoon and thank you for your email and input. I have asked my consultant to add your email to the contact list.

In regards to your comment on construction timing and traffic impact, we are still in the EA phase and hope to be complete before the end of the year. As the planned work is fairly extensive, construction may last a couple of years. However the preliminary preferred works are aimed to minimize disruption along Queensway. The conceptual plan is to install the large diameter wastewater sewer via tunnel where all the shaft sites and construction compounds are away from the travelled lanes (i.e. no lane closures along Queensway). Our preliminary preferred construction shaft site at Cliff Road is on the northwest corner of the intersection.

We will document your concerns into our EA report. If you have any further questions or comments, please feel free to reach out.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Rogers, Joanne <Joanne.Rogers@dpcdsb.org>
Sent: June 9, 2021 10:23 AM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: FW: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

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

Hi Justin,

Can you please add me to the mailing list for this project? DPCDSB will have an interest in the timing of this project, as it will have an impact on traffic flow to St. Timothy Elementary School located at 2214 Cliff Rd.

For the sake of the entire community, we would highly recommend this project take place during the summer when school is not in session. There are significant traffic concerns at this location during a regular school year. St. Timothy has over 600 students.

Thanks,

Joanne Rogers, MCIP, RPP

Senior Planner, Planning Department

Dufferin-Peel Catholic District School Board

Tel: 905-890-0708, ext. 24299 | Cell: 647-233-3940

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From: Cox, Stephanie <Stephanie.Cox@dpcdsb.org>

Sent: Tuesday, June 8, 2021 3:44 PM

To: Rogers, Joanne <Joanne.Rogers@dpcdsb.org>

Subject: FW: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

FYI. Any impacts to St. Timothy?

S.

Stephanie Cox, MCIP, RPP

Manager of Planning

Dufferin-Peel Catholic District School Board

40 Matheson Blvd. West, Mississauga ON L5R 1C5

Phone: (905) 890-0708 ext. 24163 Email: stephanie.cox@dpcdsb.org

Website: www.dpcdsb.org | Twitter: @DPCDSBSchools | YouTube: DPCDSBVideos

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From: Pamela Teddy - GM BluePlan <Pamela.Teddy@gmblueplan.ca>

Sent: Tuesday, June 8, 2021 2:51 PM

Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>

Subject: Peel WW Capacity Improvements in Central Miss – Notice of PIC #2

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Hello,

Attached is a Notice of Public Information Centre (PIC) #2 for the Region of Peel Wastewater Capacity Improvements in Central Mississauga Municipal Class Environmental Assessment (EA) (Schedule 'C').

If you have any questions about the study, please contact the study's project manager, Justin Lee (contact information is provided in the attached Notice).

Best Regards,

Pamela Teddy, BSc., PGER

Office Coordinator

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7201 | c: 416.768.3914

pamela.teddy@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Tuesday, June 08, 2021 11:39 PM
To: Sean Partington
Cc: Sandra Anastasio - GM BluePlan
Subject: RE: Add to project mailing list

Follow Up Flag: FollowUp
Flag Status: Flagged

Hi Sean,

Good evening and hopefully all is well.

I have asked my consultant GMBP to add you to the mailing list for the Central Mississauga WW EA contact list.

My Program Manager is Laura Borowiec. Please let me know if you require further information regarding the Central Mississauga WW EA at this time. We look forward to any comments or feedback you may have on the project!

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Sean Partington <Sean.Partington@ghd.com>
Sent: June 8, 2021 6:27 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: Add to project mailing list

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Re: NOTICE OF PUBLIC INFORMATION CENTRE NO. 2 - Schedule 'C' Class Environmental Assessment - Wastewater Capacity Improvements in Central Mississauga

Justin;

I have worked on projects within the Region since the early 2000s.

I would appreciate being added to the project mailing list for future project notifications.

Can you facilitate this?

And who is your group lead at the Region?

Sean Partington, P.Eng.

Strategic Advisor | Project Director

GHD

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179 Colonnade Rd S Suite 400, Ottawa, ON, K2E 7J4

M +647 446 8321 **E** sean.partington@ghd.com

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Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, July 26, 2021 3:42 PM
To: [REDACTED]
Cc: Lee, Justin; Chris Campbell - GM BluePlan
Subject: RE: Add to project mailing list pls

Hello [REDACTED],

This project is nearing completion in the Fall. We already have a communications team internally within Region of Peel and GM BluePlan, who support all project-related stakeholder consultation.

Thank you for your interest.
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Wednesday, June 16, 2021 10:10 PM
To: [REDACTED]
Cc: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Subject: RE: Add to project mailing list pls

Hi [REDACTED],

I've asked my consultant to add your email to the project contact list for the Central Mississauga Wastewater EA.

Either the consultant, GM BluePlan Engineering, or I will respond to comments or inquiries for this project.

If you have any further questions or comments regarding the Central Mississauga Wastewater EA project, feel free to contact us.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481

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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: [REDACTED]
Sent: June 16, 2021 10:01 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: Re: Add to project mailing list pls

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Yes that's correct.

Also, does the PM do all the comms for these projects? Surely there's a PR position. If not I'd be interested.

[REDACTED]

On Wed, Jun 16, 2021 at 9:52 PM Lee, Justin <Justin.Lee@peelregion.ca> wrote:

Hi [REDACTED],

Good evening and thank you for the email. I would like to confirm that you are asking to be added to the Central Mississauga Wastewater Environmental Assessment mailing list.

Thank you,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources

Region of Peel

[10 Peel Centre Drive, Suite A \(4th Floor\)](#)

[Brampton, ON L6T 4B9](#)

Cell: (647) 280-5481

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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: [REDACTED]

Sent: June 16, 2021 9:31 PM

To: Lee, Justin <Justin.Lee@peelregion.ca>

Subject: Add to project mailing list pls

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

Hi there,

I'm interested in being on this list.

Many thanks,

[REDACTED]

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Thursday, June 17, 2021 11:02 PM
To: [REDACTED]
Cc: Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan; Borowiec, Laura
Subject: RE: project over view

Follow Up Flag: FollowUp
Flag Status: Completed

Hi [REDACTED],

Thank you for your email and interest in the Central Mississauga Wastewater Environmental Assessment (EA). The timing of your email is perfect as we will be posting our Public Information Centre (PIC) No. 2 material on the Region's [project website](#) on June 22nd. The problem / opportunity statement that the EA will address is to:

"increase the conveyance capacity of key trunk sewers to service future growth and ensure alignment with the Region's long-term plan for providing wastewater services within the Mississauga City Centre, Hurontario Corridor and Dundas Corridor areas"

The wastewater capacity enhancements proposed as part of this Class EA, in addition to the recently completed trunk sewer on Cawthra Road, will help further reduce flooding as a result of surcharging in the sanitary sewer system as growth continues to occur.

I encourage you to view the PIC No. 2 materials on the [project website](#) next week for further information. Should you have any further questions after viewing the material, please feel free to reach out again.

Best Regards,

Justin Lee, P.Eng.
Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

-----Original Message-----

From: [REDACTED]

Sent: June 17, 2021 9:48 AM

To: Lee, Justin <Justin.Lee@peelregion.ca>

Subject: project over view

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

Web Form Title :: Project Manager

This email was sent by the following person. Please reply to them:

Sender's Name: [REDACTED]

Sender's Email: [REDACTED]

The message was submitted through an Automated Email Service on Peel's Website Thu Jun 17 09:48:04 2021:

Hello Justin; I certainly appreciate the opportunity for receiving further project information and would ask that same be sent to my email address. As a resident of the project area and a two time victim of home flooding (2009 & 2013), anything pertaining to WATER catches my eye. I (along with numerous neighbours) am interested in knowing if/how all the current Peel water projects along Cawthra Rd potentially impact future flooding , how/if they mesh with this project and has the city/region ever given any serious thought to reducing all the high rise condominium construction that's complicating this existing problem ?

It is the Region of Peel's policy to reply to e-mails within two working days.

For assistance, please contact the webmaster@peelregion.ca

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Contact information can be forged. There is no way to accurately verify a person's name and email address on the Internet.

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Tuesday, June 22, 2021 2:24 PM
To: [REDACTED]
Cc: Sandra Anastasio - GM BluePlan
Subject: RE: Project Mailing List - [REDACTED]

Follow Up Flag: Follow up
Flag Status: Flagged

Hi [REDACTED],

Good afternoon and thank you for the email.

I will ask that my consultant add you to our mailing list for the Central Mississauga Wastewater EA project. Your timing is perfect as we are planning to upload our latest information on the project website shortly. As there is a lot of information to include in our Public Information Centre (PIC) No. 2, the website, currently, is not complete.

All updated information should be included by tomorrow. The project website is:

<http://www.peelregion.ca/pw/water/envIRON-assess/scheduled-c-class-environmental-assessment.asp>

Please feel free to submit any comments, questions, or concerns to the comment form link provided on the project website. Alternatively, you can always email me and I will be happy to help you address the concern / questions.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: [REDACTED]
Sent: June 22, 2021 2:12 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: Project Mailing List - [REDACTED]

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

Hi Justin,

I received a document regarding the Wastewater Capacity Improvement Project in Central Mississauga. I would like to be included on the mailing list for future project notifications please.

Thank you,

[REDACTED]
[REDACTED]
[REDACTED]

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, July 26, 2021 6:17 PM
To: Alfred Nataprawira
Cc: Chris Campbell - GM BluePlan; Lee, Justin
Subject: RE: PIC 2 - Wastewater capacity improvements in central Mississauga

Hi Alfred,

I can confirm that you have been added to the study's contact list for future project updates.

Thank you,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Alfred Nataprawira <alfred@choiceonemedical.com>
Sent: Monday, July 26, 2021 4:35 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>
Subject: Re: PIC 2 - Wastewater capacity improvements in central Mississauga

Thank you for the update Sandra.

Please include me in any general e-mail lists to the public for updates on this project. I look forward to hearing more about the project as you move through the phases and the preliminary alignment gets finalized.

Best regards,

On Mon, Jul 26, 2021 at 3:39 PM Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca> wrote:

Hello Alfred,

This project was identified in the Water and Wastewater Master Plan and has been included in the capital program budget. We are currently in the early phases of this project; however, we are expecting construction to begin around 2025/2026.

The preliminary preferred works are aimed to minimize disruption along Queensway. Through the study, we have consulted with local municipalities including City of Toronto and City of Mississauga, to coordinate potential community impacts including traffic and transit.

Thank you,

Sandra

Sandra Anastasio, B.Sc., [M.Env.Sc.](#), EPT

Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Alfred Nataprawira <alfred@choiceonemedical.com>

Sent: Wednesday, June 16, 2021 1:56 PM

To: Lee, Justin <Justin.Lee@peelregion.ca>

Cc: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>; Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>

Subject: Re: PIC 2 - Wastewater capacity improvements in central Mississauga

Could you clarify if the project has been fully funded and when it is currently scheduled to break ground?

Do you also know if this project is working in conjunction with any City of Toronto projects on the Queensway?

As it does not look like we are directly impacted by the preferred alignment we are primarily looking at timelines to know when we should expect increased travel time to and from our office.

Best regards,

On Wed, Jun 16, 2021 at 1:47 PM Lee, Justin <Justin.Lee@peelregion.ca> wrote:

Hi Alfred,

Good afternoon and thank you for the email.

The Public Information Centre (PIC) No. 2 will be posted online only. This PIC will be a little different from others and will not have a face to face meeting or virtual session. Information on the findings and preliminary preferred alignment, shaft sites / construction compounds and construction methods for the project will be posted on the project website here on June 22, 2021:

<http://www.peelregion.ca/pw/water/envIRON-assess/scheduled-c-class-environmental-assessment.asp>

There is a two week question period closing July 6th, 2021. However, you can always reach out at any point during the EA process to voice any concerns or comments you may have. I've attached the Notice of PIC No. 2 for your reference.

If you have any other questions or require any other additional information at this time, please feel free to ask.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources

Region of Peel

10 Peel Centre Drive, Suite A (4th Floor)

Brampton, ON L6T 4B9

Cell: (647) 280-5481

Tel: (905) 791-7800

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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

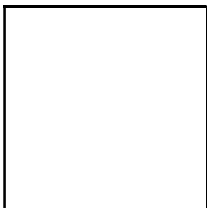
From: Alfred Nataprawira <alfred@choiceonemedical.com>
Sent: June 15, 2021 12:28 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: PIC 2 - Wastewater capacity improvements in central Mississauga

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

Good afternoon Justin,

My name is Alfred, the operations analyst for Choice One Medical. We received a flyer of sorts for the second PIC however no date appears on the flyer. Do you happen to have a date and a link to the meeting?

Best regards,



Alfred Nataprawira
Operations Analyst
Choice One Medical
P. +1-888-400-8987 x 1530 | M. +1-416-871-8679
www.choiceonemedical.com | www.medistrom.com
1 Westside Dr., Unit 2A, Toronto, ON M9C 1B3

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Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Tuesday, July 13, 2021 1:38 PM
To: Hamid Javady
Cc: Sandra Anastasio - GM BluePlan
Subject: RE: Queenway project

Hi Hamid,

Good afternoon and hopefully all is well. Thank you for reaching out on the Central Mississauga Wastewater EA project.

The project website, where you can find the info you're looking for is located here:

<http://www.peelregion.ca/pw/water/envIRON-assess/scheduled-c-class-environmental-assessment.asp>

As you have noted, we are currently in the EA phase and anticipating a completion around November this year. At that time, I will be passing this project off to our design and construction capital group. Who will begin design work after the EA is complete.

If you have any other questions, please feel free to contact me.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Hamid Javady <Hamid.Javady@mottmac.com>
Sent: July 13, 2021 12:27 PM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Subject: Queenway project

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

Hello Justin;

I hope you are well. I am not sure if I have met you before, but I am a senior tunnel engineer for Mott MacDonald and I am looking for any tunnel opportunity in the Peel Region. I know, there is a Queenway tunnel project under EA study and I am trying to get more information about it. Would you please let me know:

- What is the length of the tunnel? It seems 11km between the two pump stations.
- Diameter of the tunnel
- Is it a wastewater or Feedermain project?

Please let me know if I can contact you to chat about the project.

Best Regard

Hamid Javady

Professional Engineer

Principal Tunnel Engineer

D 416-929-9628 T +1 647 556 3200

hamid.javady@mottmac.com

[LinkedIn](#)



Mott MacDonald
Suite 400
145 Wellington Street West
Toronto ON M5J 1H8
Canada

[Website](#) | [Twitter](#) | [LinkedIn](#) | [Facebook](#) | [Instagram](#) | [YouTube](#)



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Sandra Anastasio - GM BluePlan

From: [REDACTED] <[REDACTED]>
Sent: Monday, July 26, 2021 4:01 PM
To: Sandra Anastasio - GM BluePlan
Cc: Lee, Justin; Chris Campbell - GM BluePlan
Subject: Re: Peel Central Miss EA - PIC 2 Response
Attachments: image001.jpg

Thank you for the update Sandra.

Regards
[REDACTED]

On Mon., Jul. 26, 2021, 3:57 p.m. Sandra Anastasio - GM BluePlan, <Sandra.Anastasio@gmblueplan.ca> wrote:

Hello [REDACTED],

Thank you for providing your comments for the Region of Peel Wastewater Capacity Improvements in Central Mississauga – PIC No. 2.

The Region has forwarded your comment to the Ms. Catherine Hobbis who works within the Region's Environmental Education department. She will be able to provide you additional information on your inquiry.

Kind Regards,

Sandra

Sandra Anastasio, B.Sc., [M.Env.Sc.](#), EPT

Infrastructure Planning

GM BluePlan Engineering Limited

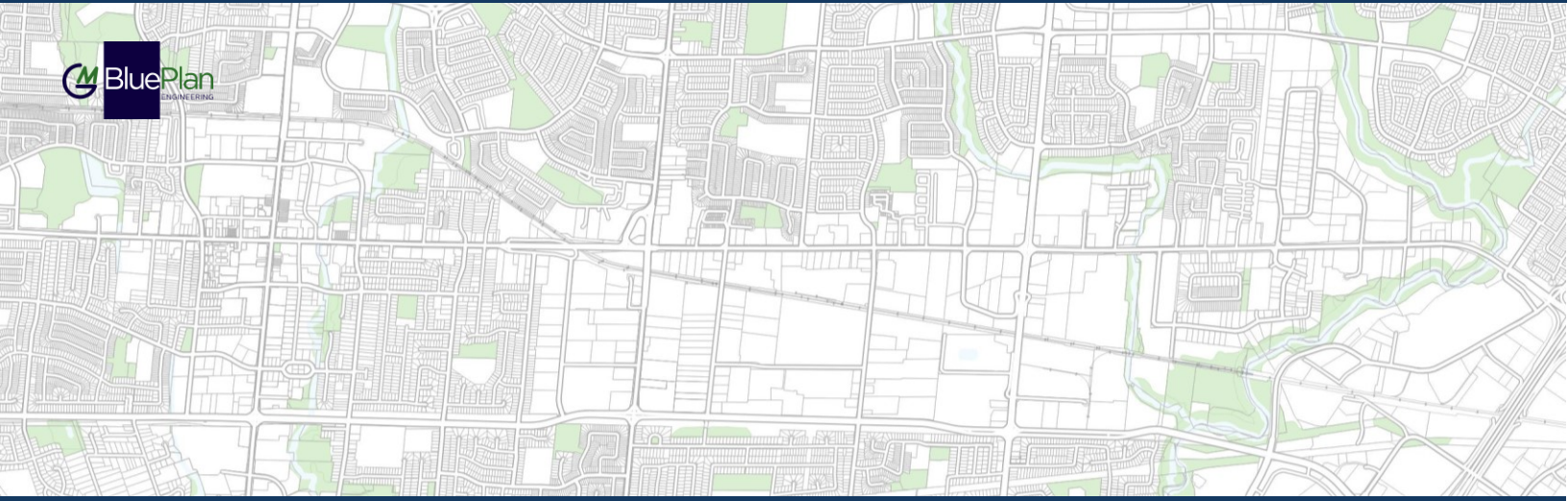
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7217 | c: 416.428.2836

sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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REGION OF PEEL
WASTEWATER CAPACITY IMPROVEMENTS IN CENTRAL MISSISSAUGA

Property Owners

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, November 25, 2020 9:23 AM
To: [REDACTED]
Cc: Chris Campbell - GM BluePlan; 'Lee, Justin'; 'Oldford, Steven'
Subject: RE: PF-19047.09 Permission to Enter Notice

Hi Jason,

Thank you for letting me know. I will notify our team.

Regards,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



From: Jason Fidani <[REDACTED]>
Sent: Wednesday, November 25, 2020 9:09 AM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; 'Lee, Justin' <Justin.Lee@peelregion.ca>; 'Oldford, Steven' <steven.oldford@peelregion.ca>
Subject: RE: PF-19047.09 Permission to Enter Notice

Thanks Sandra,

Just an FYI the abandoned trailer on the road beside the property is not ours. We have notified the City but it has not been removed.

Regards,

Jason Fidani

Horner Developments Limited
313 Horner Avenue
Toronto, ON
M8W 1Z5

From: Sandra Anastasio - GM BluePlan [<mailto:Sandra.Anastasio@gmblueplan.ca>]
Sent: November-24-20 7:42 PM
To: [REDACTED]
Cc: Chris Campbell - GM BluePlan; Lee, Justin; Oldford, Steven
Subject: PF-19047.09 Permission to Enter Notice

Hello Mr. Jason Fidani,

On behalf of the Region of Peel, I would like to notify you that members of our project team will be visiting your property ([REDACTED]) on Thursday, November 26, 2020 to conduct surveys as part of the Permission to Enter for the Region of Peel Capacity Expansion of Central Mississauga Wastewater System (PF-19047.09).

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



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Sandra Anastasio - GM BluePlan

From: Oldford, Steven <steven.oldford@peelregion.ca>
Sent: Monday, June 21, 2021 10:19 AM
To: [REDACTED]
Subject: RE: (PF-19047.09) Central Mississauga WW System EA - PIC No #2 Notice
Attachments: 2021-06-22-NoticePIC2-Class EA Central Mississauga_Final.pdf

Hi Jason,

Thank you for your response and your comments/concerns will be definitely noted. I recommend you visit the PIC material and please submit these similar comments in the comments/feedback section as they will become part of the EA material and will alert the project team to your concerns. The purpose of the PIC is to engage the public and make the Region aware of any owner concerns which may help the project team further refine the preferred solution. Any comments, questions or feedback submitted will be follow-up by a formal response from the project team.

Regards,
Steven

Steven Oldford, AACI, SR/WA
Senior Capital Acquisition Agent, Real Estate
The Regional Municipality of Peel
Cell Phone: 289-541-9280
Email: steven.oldford@peelregion.ca

From: Jason Fidani <[REDACTED]>
Sent: June 21, 2021 9:44 AM
To: Oldford, Steven <steven.oldford@peelregion.ca>
Subject: RE: (PF-19047.09) Central Mississauga WW System EA - PIC No #2 Notice

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Hi Steven,

Thank you for the information.

I am sure you won't be surprised that we are not very happy with the designs as presented. While we have no issue with the temporary access to facilitate the construction, we have major issues with the permanent easement which severely impacts our current development plans for the property. While more study needs to be done on our part to see how severe the impact is, I just wanted to go on record immediately to say we are opposed to this easement.

Regards,

Jason Fidani

Horner Developments Limited

313 Horner Avenue
Toronto, ON
M8W 1Z5

From: Oldford, Steven [<mailto:steven.oldford@peelregion.ca>]
Sent: June-16-21 6:05 PM
To: Jason Fidani
Subject: RE: (PF-19047.09) Central Mississauga WW System EA - PIC No #2 Notice

Hi Jason,

**RE: Wastewater Capacity Improvements in Central Mississauga Class EA
Capital Project #19-2590
Registered Owner(s): Rialto Apartments Limited & Horner Developments Limited
Property Address: Vacant Corner Site – N/S of Queensway, east of Dixie Rd., Mississauga**

The Regional Municipality of Peel initiated a Schedule "C" Class Environment Assessment (EA) in March 2019 to investigate alternative long-term wastewater servicing strategies, routes and design concepts for the Central Mississauga wastewater system. The study is now concluding Phase 3 of the 5 phase Class EA process which involves evaluating and identifying the preliminary preferred design concept. In order to inform the public and present the preliminary preferred route, the Region will be holding a virtual Public Information Centre (PIC No. 2) on **June 22nd, 2021**. The Project information will be posted on the project website on that date, followed by a two-week question submission period closing July 6, 2021, in which comments are welcome. To access the PIC material, simply click on the link provided on the attached notice. Additional instructions on how to submit any questions or feedback will be posted on the website. In the event you are unable to access, I can arrange to provide the documentation in an alternative form. Please let me know.

I have also attached a copy of the preliminary design concept drawing specific to your property showing the preferred design and potential property impacts. The preliminary design has identified a portion of your property being required temporarily (outlined in green) in order to facilitate construction of a shaft compound needed to complete the underground tunnelling for the sanitary sewer installation, and a proposed permanent easement (outlined in blue) required for the installed infrastructure and permanent manhole. Details regarding the entire project alignment will be available through the PIC website.

Please do not hesitate to contact me if you have any further questions or require clarification, or have difficulties accessing the information.

Regards,
Steven

Steven Oldford, AACI, SR/WA
Senior Capital Acquisition Agent, Real Estate
The Regional Municipality of Peel
Cell Phone: 289-541-9280
Email: steven.oldford@peelregion.ca

From: Oldford, Steven
Sent: June 16, 2021 1:05 PM
To: Jason Fidani <[REDACTED]>
Subject: RE: (PF-19047.09) Central Mississauga WW System EA - PIC No #2

Absolutely,

I will provide an overview by end of day.

Steve

Steven Oldford, AACI, SR/WA
Senior Capital Acquisition Agent, Real Estate
The Regional Municipality of Peel
Cell Phone: 289-541-9280
Email: steven.oldford@peelregion.ca

From: Jason Fidani <[REDACTED]>
Sent: June 16, 2021 11:59 AM
To: Oldford, Steven <steven.oldford@peelregion.ca>
Subject: Re: (PF-19047.09) Central Mississauga WW System EA - PIC No #2

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Hi Steven,

Unfortunately I am out of town this week with spotty cellular. Could you send me an overview and perhaps we can talk next week?

Thanks,

Jason

Sent from my iPhone

On Jun 16, 2021, at 10:51 AM, Oldford, Steven <steven.oldford@peelregion.ca> wrote:

Hi Jason,

Are you available for a telephone call today or tomorrow. I would like to inform you of the upcoming Public Information Centre #2 to be held virtually starting June 22nd, 2021, and discussed any property impacts to the **Rialto Apartments Limited/Horner Developments Limited** property identified as [REDACTED] and located along the **North Side of The Queensway, East of Dixie Road, in Mississauga.**

If you prefer a virtual meeting, please provide some meeting time options and I will forward you a TEAMS meeting invite. Otherwise, if you are unavailable, I can forward you an overview of the event and the potential impacts to your property.

Regards,
Steven

Steven Oldford, AACI, SR/WA
Senior Capital Acquisition Agent, Real Estate
The Regional Municipality of Peel
Cell Phone: 289-541-9280
Email: steven.oldford@peelregion.ca

From: Oldford, Steven
Sent: November 13, 2020 11:13 AM
To: Jason Fidani <[REDACTED]>
Subject: RE: (PF-19047.09) Central Mississauga WW System EA - N/S The Queensway, east of Dixie Rd, Miss - Permission to Enter Notice

Hi Jason

I hope you are doing well.

This email is to provide notification that the Region of Peel and/or it's consultants intend to commence studies shortly at the **North side of Queensway [REDACTED]**, in accordance with the Permission to Enter Agreement between The Regional Municipality of Peel and Rialto Apartments Limited/Horner Developments Limited.

I have provided your contact information to the consultant's and/or Region's agents.

Should you have any questions, please do not hesitate to contact myself at 905-791-7800 ext. 7638.

Regards,
Steven

Steven Oldford, AACI, P.App
Senior Capital Acquisition Agent, Real Estate
The Regional Municipality of Peel
Cell Phone: 289-541-9280
Email: steven.oldford@peelregion.ca

From: Oldford, Steven
Sent: October 23, 2020 11:56 AM
To: [REDACTED]
Subject: RE: (PF-19047.09) Central Mississauga WW System EA - N/S The Queensway, east of Dixie Rd, Miss - Permission to Enter letter

Hi Jason,

Thank you for your prompt response and cooperation. Have a great weekend.

Regards,
Steven

Steven Oldford, AACI, P.App
Senior Capital Acquisition Agent, Real Estate
The Regional Municipality of Peel
Cell Phone: 289-541-9280

Email: steven.olford@peelregion.ca

From: Jason Fidani <[REDACTED]>

Sent: October 23, 2020 10:30 AM

To: Oldford, Steven <steven.olford@peelregion.ca>

Subject: RE: (PF-19047.09) Central Mississauga WW System EA - N/S The Queensway, east of Dixie Rd, Miss - Permission to Enter letter

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

Hi Steven,

Please find attached the executed letter as requested.

Regards,

Jason Fidani

Horner Developments Limited

313 Horner Avenue

Toronto, ON

M8W 1Z5

From: Oldford, Steven [<mailto:steven.olford@peelregion.ca>]

Sent: October-16-20 8:52 AM

To: Jason Fidani

Subject: RE: (PF-19047.09) Central Mississauga WW System EA - N/S The Queensway, east of Dixie Rd, Miss - Permission to Enter letter

Hi Jason,

I hope you are doing well.

I am just enquiring as to the status of the Permission to Enter letter and whether you had any questions.

Thanking you in advance for your cooperation.

Steven

Steven Oldford, AACI, P.App

Senior Capital Acquisition Agent, Real Estate

The Regional Municipality of Peel

Cell Phone: 289-541-9280

Email: steven.olford@peelregion.ca

From: Oldford, Steven

Sent: October 8, 2020 4:25 PM

To: Jason Fidani <[REDACTED]>

Subject: RE: (PF-19047.09) Central Mississauga WW System EA - N/S The Queensway, east of Dixie Rd, Miss - Permission to Enter letter

Hi Jason,

As per our discussion, please find attached the **Permission to Enter letter** for investigative studies required on the **Rialto Apartments Limited/Horner Developments Limited** property located along the **North Side of The Queensway, East of Dixie Road, in Mississauga**. The studies are required in connection with the Region of Peel initiated Schedule "C" Class Environmental Assessment (EA) to study how to improve wastewater servicing capacity within the Central Mississauga Wastewater System.

Please note that the agreement is for a term of 12 months until September 30th, 2021, and will involve only **short-term, intermittent access to a portion your property** (please refer to sketch within agreement). The Region will make every attempt to limit the number of visits to your property during this time. Please note that all of the activities/studies listed may or may not be applicable to your property.

Please **print in colour on 8.5" x 11" paper one side only**, and arrange to have the owners sign, date, scan and email a copy of the Agreement to the undersigned as soon as possible.

If you have any questions, please do not hesitate to contact me. Any assistance in expediting the process would be greatly appreciated as the changing weather conditions limits the ability to complete some of the studies.

High Priority

Regards,
Steven

Steven Oldford, AACI, P.App
Senior Capital Acquisition Agent, Real Estate
The Regional Municipality of Peel
10 Peel Centre Drive, Suite B, 6th Floor, Brampton, ON L6T 4B9
Cell: **289-541-9280***
Phone: 905-791-7800 ext 7638
Fax: 905-791-3645 Toll Free: 1-888-919-7800
Email: steven.oldford@peelregion.ca

Sandra Anastasio - GM BluePlan

From: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Thursday, June 24, 2021 11:06 AM
To: [REDACTED]
Cc: 'David McKay '; 'Barry Horosko'; Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan; Borowiec, Laura
Subject: RE: (PF-19047.09) Central Mississauga WW System EA - PIC No #2 Notice

Hi Jason,

Good morning and thank you for the email.

Thank you for bringing this up. You are correct. This is a typo on the slides. Our preliminary preferred shaft site location is 2A, on the north side of Queensway.

I have asked my consultant to include your comments and concerns with the permanent easements as a result of the preliminary preferred sewer within our Environmental Study Report (ESR) documents.

Thanks,

Justin Lee, P.Eng.

Project Manager, Infrastructure Planning & Asset Management, Growth and Water Resources
Region of Peel
10 Peel Centre Drive, Suite A (4th Floor)
Brampton, ON L6T 4B9
Cell: (647) 280-5481
Tel: (905) 791-7800



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<http://www.peelregion.ca/corpserv/10pcd-expansion/map.htm>

From: Jason Fidani <[REDACTED]>
Sent: June 24, 2021 10:53 AM
To: Lee, Justin <Justin.Lee@peelregion.ca>
Cc: 'David McKay ' <dmckay@mhbcpplan.com>; 'Barry Horosko' <bhorosko@horoskoplanninglaw.com>
Subject: (PF-19047.09) Central Mississauga WW System EA - PIC No #2 Notice

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

Hi Justin,

I was on the Public Information Centre #2 and was reviewing the Display Panels in pdf format. I believe there is a typo under the Shaft Alternatives: Queensway East and Etobicoke Creek. The matrix seems to indicate that Shaft 2A is the preferred but in the box below it says that Shaft 2B was selected, although under the reasoning it seems to be discussing shaft 2A. Could you please clarify?

This is of critical importance to us as we are the property owners of the land impacted by shaft 2A and will be very much opposed to the required easement which severely impacts our proposed development for this property.

Thank you,

Jason Fidani

Horner Developments Limited
313 Horner Avenue
Toronto, ON
M8W 1Z5

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Monday, July 26, 2021 3:47 PM
To: [REDACTED]
Cc: Chris Campbell - GM BluePlan; Lee, Justin
Subject: Peel Central Miss EA - PIC 2 Response

Hello Jason,

Thank you for providing your comments for the Region of Peel Wastewater Capacity Improvements in Central Mississauga – PIC No. 2.

Th Queensway/Etobicoke Creek location is a key shaft that will support the alignment along Queensway and the connection to the existing trunk sewer along Etobicoke Creek.

We will consider your feedback through the next stage of the study.

Kind Regards,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Respondent



2

Anonymous



02:41
Time to complete



1. First and Last Name

Jason Fidani

2. Organization (if applicable)

Horner Developments Limited

3. If you would like to receive future study updates, please enter your email address below.

Yes

4. Please provide your questions and/or comments about this study below.

As previously communicated to Justin Lee, we are the owners of 1675 Queensway East which is the proposed location for shaft 2A. We are very much opposed to the location of this shaft as it will severely impact our development plans for the property.

Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Tuesday, November 24, 2020 7:39 PM
To: wrbreen@nightingalechairs.com
Cc: Chris Campbell - GM BluePlan; Lee, Justin; Oldford, Steven
Subject: PF-19047.06 Permission to Enter Notice

Hello Mr. William Breen,

On behalf of the Region of Peel, I would like to notify you that members of our project team will be visiting your property (██████████, 2301 Dixie Road) on Thursday, November 26, 2020 to conduct surveys as part of the Permission to Enter for the Region of Peel Capacity Expansion of Central Mississauga Wastewater System (PF-19047.06).

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



Sandra Anastasio - GM BluePlan

From: Sandra Anastasio - GM BluePlan
Sent: Wednesday, November 25, 2020 9:36 AM
To: Evan Miller
Cc: Chris Campbell - GM BluePlan; Lee, Justin; Oldford, Steven; Sabina Zecirovic
Subject: RE: PF-19047.08 Permission to Enter Notice

Hi Evan,

Thank you for letting me know. I will notify our team.

Regards,
Sandra

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca | www.gmblueplan.ca



-----Original Message-----

From: Evan Miller <EMiller@hr-dev.com>
Sent: Tuesday, November 24, 2020 7:43 PM
To: Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca>
Cc: Chris Campbell - GM BluePlan <chris.campbell@gmblueplan.ca>; Lee, Justin <Justin.Lee@peelregion.ca>; Oldford, Steven <steven.oldford@peelregion.ca>; Sabina Zecirovic <SZecirovic@hr-pm.com>
Subject: Re: PF-19047.08 Permission to Enter Notice

Thanks - I have copied Sabina who will be your on site contact person.

Evan Miller, CPA , CA
Chief Executive Officer
H&R Developments
3625 Dufferin Street
Suite 409
Toronto, Ontario
M3K 1N4
Direct Dial - 416-373-4180

Main Number - 416-635-0163

On Nov 24, 2020, at 7:40 PM, Sandra Anastasio - GM BluePlan <Sandra.Anastasio@gmblueplan.ca> wrote:

Hello Mr. Evan Miller,

On behalf of the Region of Peel, I would like to notify you that members of our project team will be visiting your property (██████████, 2247 Hurontario Street) on Thursday, November 26, 2020 to conduct surveys as part of the Permission to Enter for the Region of Peel Capacity Expansion of Central Mississauga Wastewater System (PF-19047.08).

Please let me know if you have any questions.

Thank you,

Sandra Anastasio, B.Sc., M.Env.Sc., EPT
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7217 | c: 416.428.2836
sandra.anastasio@gmblueplan.ca<mailto:sandra.anastasio@gmblueplan.ca> |
www.gmblueplan.ca<https://urldefense.com/v3/__http://www.gmblueplan.ca__;!!An4_1rs!2AiRKbpcNkZ53I43qpVJJ24f8sSh_e4eA8tiDCg6QXm0mvQL3YL2C3rX-AOh7pi\$>

<image003.jpg>

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