



1-D

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

Public Information Centre No. 1

Prepared By:



Regional Municipality of Peel

Wastewater Capacity Improvements in Central Mississauga

GMBP File: 718018

March 2020



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1. Background and Introduction

The Regional Municipality of Peel (Peel Region) has initiated a Municipal Class Environmental Assessment (EA) study, entitled *Wastewater Capacity Improvements in Central Mississauga*, to develop wastewater servicing strategy alternatives and select the optimal long-term wastewater servicing strategy for Central Mississauga.

The study is being undertaken as a Schedule “C” Class EA, satisfying Phases 1 to 5 of the Municipal Engineers Association (MEA) Class EA process, which is a planning process approved under Ontario’s Environmental Assessment Act.

The objective of the Wastewater Capacity Improvements in Central Mississauga EA 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 study area is located in the City of Mississauga within the Region of Peel and is bounded by Etobicoke Creek to the east, Confederation Parkway to the west, Highway 403 to the north, and QEW to the south. **Figure 1** provides the study area for this Class EA study. It includes Mississauga City Centre, the Hurontario Corridor and the Dundas Corridor growth corridors. The study falls within four Municipal Wards; 1 (east), 3 (north), 4 (west) and 7 (south).

A key part of the public consultation component is the Public Information Centre (PIC), which serves as a forum for information exchange between the public/stakeholders and the project team.

The Public Information Centre (PIC) No. 1 Summary Report represents one element of the overall Class EA documentation. The report documents the following:

- Information presented at PIC No. 1;
- Summary of attendance;
- All comments received, and responses provided; and,
- Summarized table of comments received, and responses provided in order to track correspondence in a transparent and traceable manner.

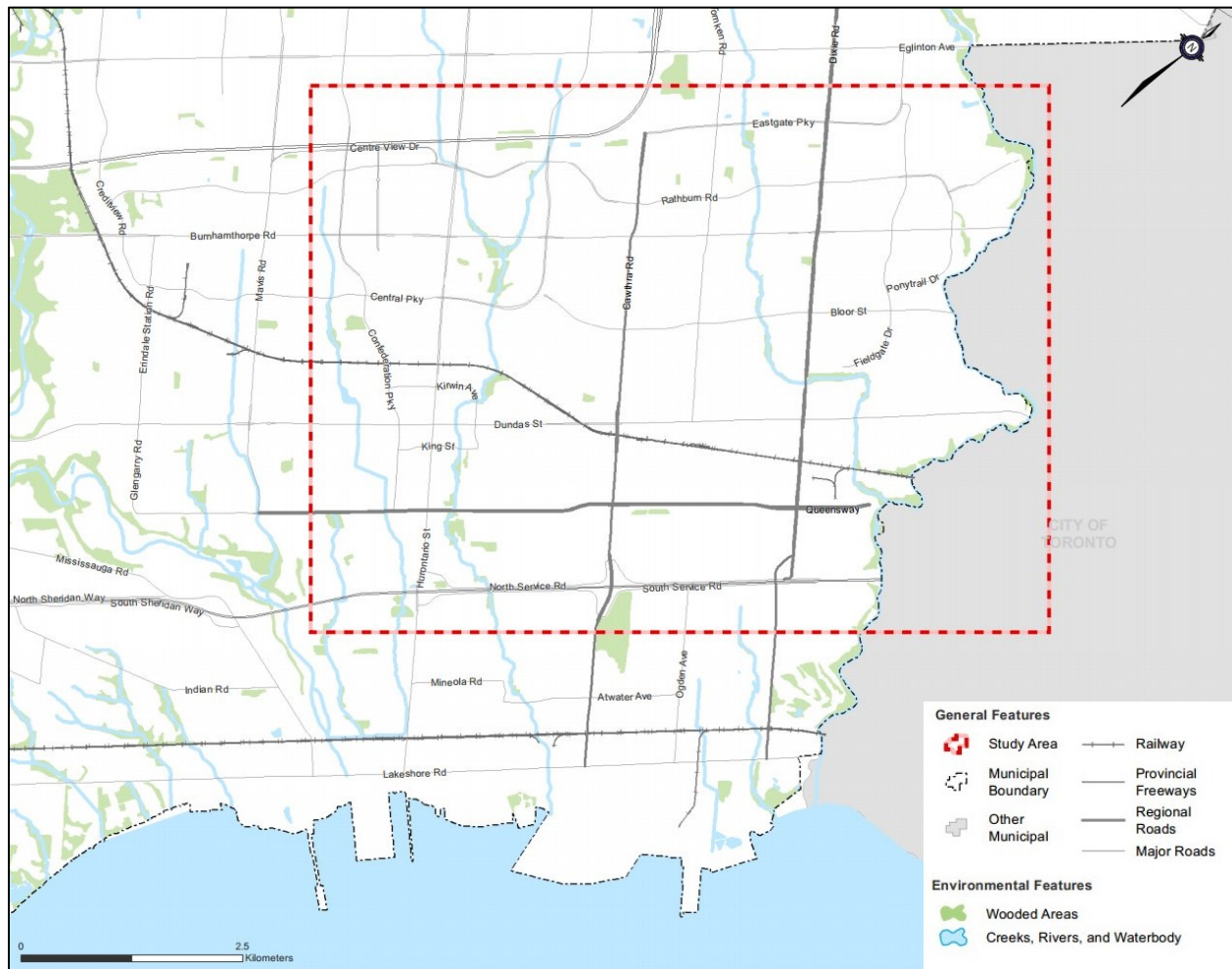


Figure 1: Study Area

1.1 Class EA Context

The study follows the Municipal Environmental Assessment process as outlined in the Municipal Engineers Association (MEA) Municipal Class EA (Oct. 2000, as amended in 2007, 2011 and 2015).

The study is being undertaken as a Schedule “C” Class EA which involves completion of Phases 1 through 5 of the MEA Municipal Class EA Process (**Figure 2**). Public consultation is a vital component of the Class EA process and ensures transparency through encouraging stakeholder and public involvement.

The study work plan provides for two rounds of Public Information Centres. The first round of Public Information Centres (PIC No. 1) was held on March 10, 2020; with the intent to introduce the project, provide study background and overview of the existing wastewater system, present the servicing alternatives and preliminary preferred solution.

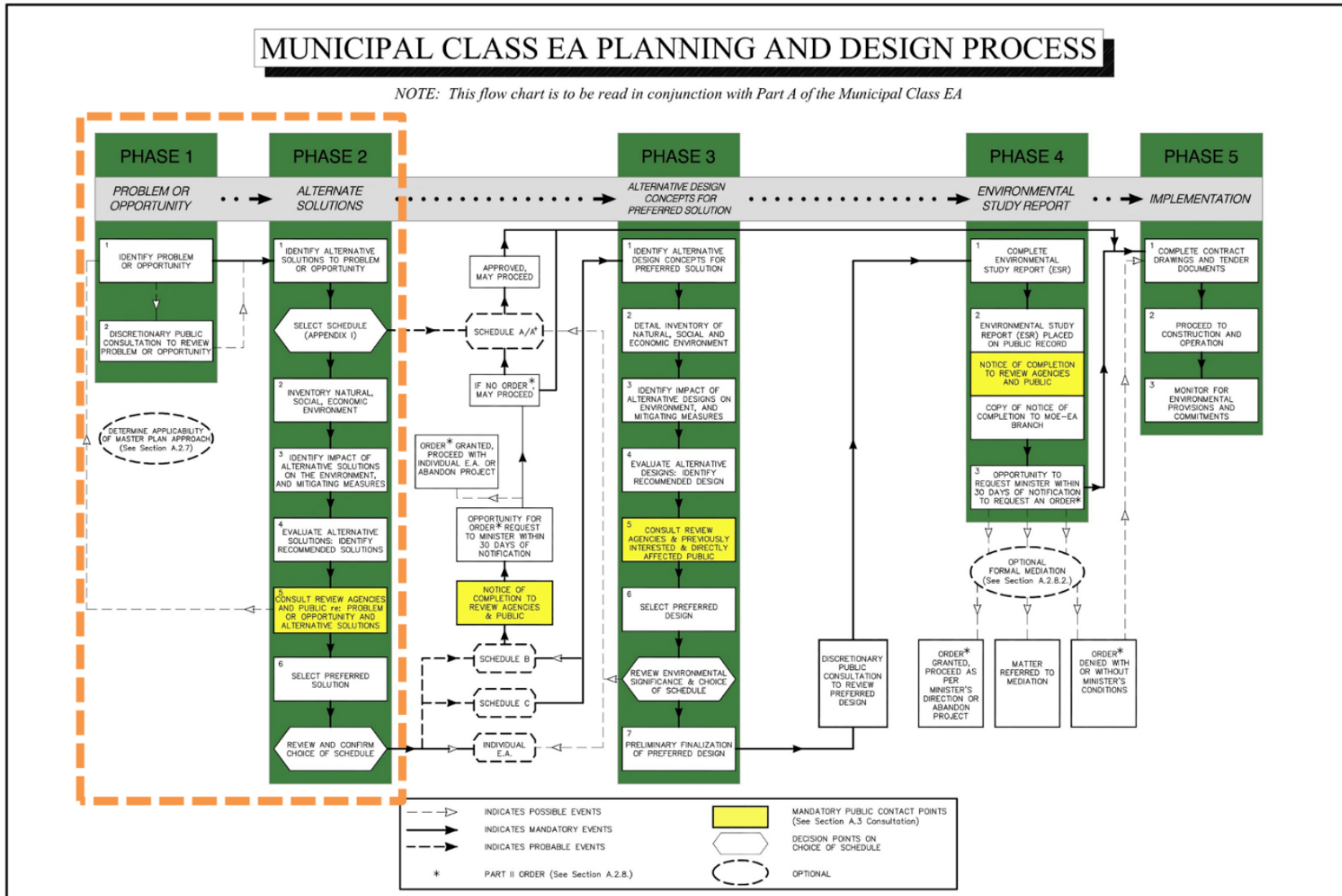


Figure 2 – Municipal Class EA Planning and Design Process

2. PUBLIC INFORMATION CENTRE NO. 1

2.1 Purpose

Public Information Centre No. 1 was held on March 10, 2020 and was intended to:

- Introduce the study to the public;
- Describe the Class EA process;
- Identify the problem and opportunity;
- Present baseline information such as the existing systems and natural heritage and environmental features;
- Outline wastewater servicing alternatives
- Evaluate alternative servicing solutions
- Identify the preliminary preferred solution, and,
- Receive public input and answer any questions.

2.2 Pre-PIC Stakeholder Meetings

Prior to hosting PIC #1, Peel Region and GM BluePlan met with key stakeholders to present the project overview, strategy alternatives, and preliminary preferred solution as well as to receive any feedback. **Table 1** provides the key stakeholders that were consulted prior to PIC #1.

Table 1: Pre-PIC Stakeholder Consultation

| Stakeholder | Meeting Date |
|--|-------------------|
| Credit Valley Conversation (CVC) | January 28, 2020 |
| Toronto and Region Conservation Authority (TRCA) | January 28, 2020 |
| City of Mississauga | February 10, 2020 |

2.3 Notifications

Stakeholders and the public were informed of the PIC by newspaper advertisements, by mail/email and through the Peel Region website.

2.3.1 Newspaper and Online Advertisement

The Notice of Public Information Centre No. 1 was published on February 27, 2020 and March 5, 2020 in the following local newspapers/publications:

- The Mississauga News

The notice was also posted on the Peel Region website: peelregion.ca/pw/water/enviro-assess and select Mississauga.

The website includes details on the study’s contact person for public and stakeholder communication and receive future project notifications.

2.3.2 Mail Out

The Notice of Public Information Centre PIC No. 1 was dated February 27, 2020 and mailed and/or e-mailed to local government, review agencies and other stakeholders.

2.4 PIC 1 Dates, Times, and Locations

PIC No. 1 was held at a location in the City of Mississauga. **Table 2** identifies the date, time, and location for PIC No. 1.

Table 2. PIC No. 1 Information

| Public Information Centre No. 1 | |
|--|---|
| Date / Time | Tuesday March 10, 2020 – 5:00 to 7:30 p.m. |
| Location | Mississauga Valley Community Centre 1275 Mississauga Valley Blvd, Mississauga, ON, L5A 3R8 |

Representatives from Peel Region and GM BluePlan were present at the PIC to provide information and answer questions.

2.5 PIC No. 1 Display Panels

The information presented at PIC No. 1 included:

- Background and Study Purpose;
- Study Area and Existing Sanitary System;
- Municipal Class EA Process and Consultation;
- Natural Features and Socio-Economic/Cultural Existing Conditions;
- Environmental Assessment Process Overview;
- Long List to Short List Evaluation;
- Evaluation Criteria;
- Preliminary Preferred Solution Conceptual Alignment Shaft Locations;
- Next Steps; and,
- How to Get Involved.

2.6 PIC No. 1 Attendance

A total of 6 people attended PIC No. 1, counting only those who signed in.

2.7 Comments and Responses

Attendees were encouraged to provide comments related to the Environmental Class Assessment in writing. Comments were received via comment sheets, emails, and letters. A summary of the comments received is shown in **Table 3**.

Table 3. Summary of PIC No. 1 Comments Received

| No. | Correspondent | Type | Comment | Date Received | Status/ Response |
|-----|---|--------------|--|----------------|--|
| 1 | Monique Gagnon, Board Member, Peel; Condominium Corporation No. 53 | Comment Card | Provided information of a condominium experiencing ongoing flooding near Cooksville Creek (John Street) located within the study area. | March 10, 2020 | Team forwarded information to operations staff at Peel Region for further investigation. |
| 2 | Matey N. Matev, Senior Network Management Officer, Hydro One Networks Inc. | Email / Call | Provided information regarding the ownership of land and assets along the Queensway alignment as well as minimum clearances to hydro lines and next steps. | March 26, 2020 | Team forwarded meeting minutes to Hydro One team. |
| 3 | Dan Minkin, Heritage Planner, Ministry of Heritage, Sport, Tourism and Culture Industries | Email | Provided guidance on potential next steps and actions required for archaeological and cultural heritage studies. | March 26, 2020 | Team will consider archaeological and cultural heritage guidelines for next stage of studies |

3. NEXT STEPS

Following the first round of public consultation, the project team will:

- Review and consider your input received during the PIC and comments sheets;
- Respond to comments when required;
- Confirm and refine the preliminary preferred solution;
- Continue to work with review agencies and stakeholders;
- Move forward with Phase 3 evaluation and select the preliminary preferred design concept
- Prepare for Public Information Centre No.2;
- Advertise the Notice of PIC No.2; and,
- Collect additional comments and input to confirm the preferred design concept.

Appendix A - PIC #1 Boards



**WELCOME!
PUBLIC INFORMATION CENTRE**

Wastewater Capacity Improvements in Central Mississauga

Municipal Class Environmental Assessment

PIC No. 1

Mississauga Valley Community Centre

1275 Mississauga Valley Boulevard

Date: Tuesday, March 10th, 2020

Time: 5:00 pm to 7:30 pm

Why Are We Here?

Public Information Centre No. 1

Welcome!

Here are the objectives for today's Public Information Centre:



Present the study area and objectives



Present the environmental assessment process



Provide a clear and transparent evaluation process for the evaluation of alternatives



Receive feedback on the evaluation process and preliminary preferred solution

Get Engaged!

- ✓ Please sign in and take a comment sheet
- ✓ Have a look at the project information on display and chat with the Project Team
- ✓ Provide your feedback regarding the information presented

Why Is This Study Being Completed? Background and Study Purpose

Project History and Timeline



The **Region of Peel Water and Wastewater Master Plan Update (MP 2020)** identified preferred wastewater servicing strategies to support existing servicing needs and projected growth within the Region.

The MP 2020 identified proposed trunk sewers for the Central Mississauga area to be further investigated through a Class Environmental Assessment (EA).

Study Purpose

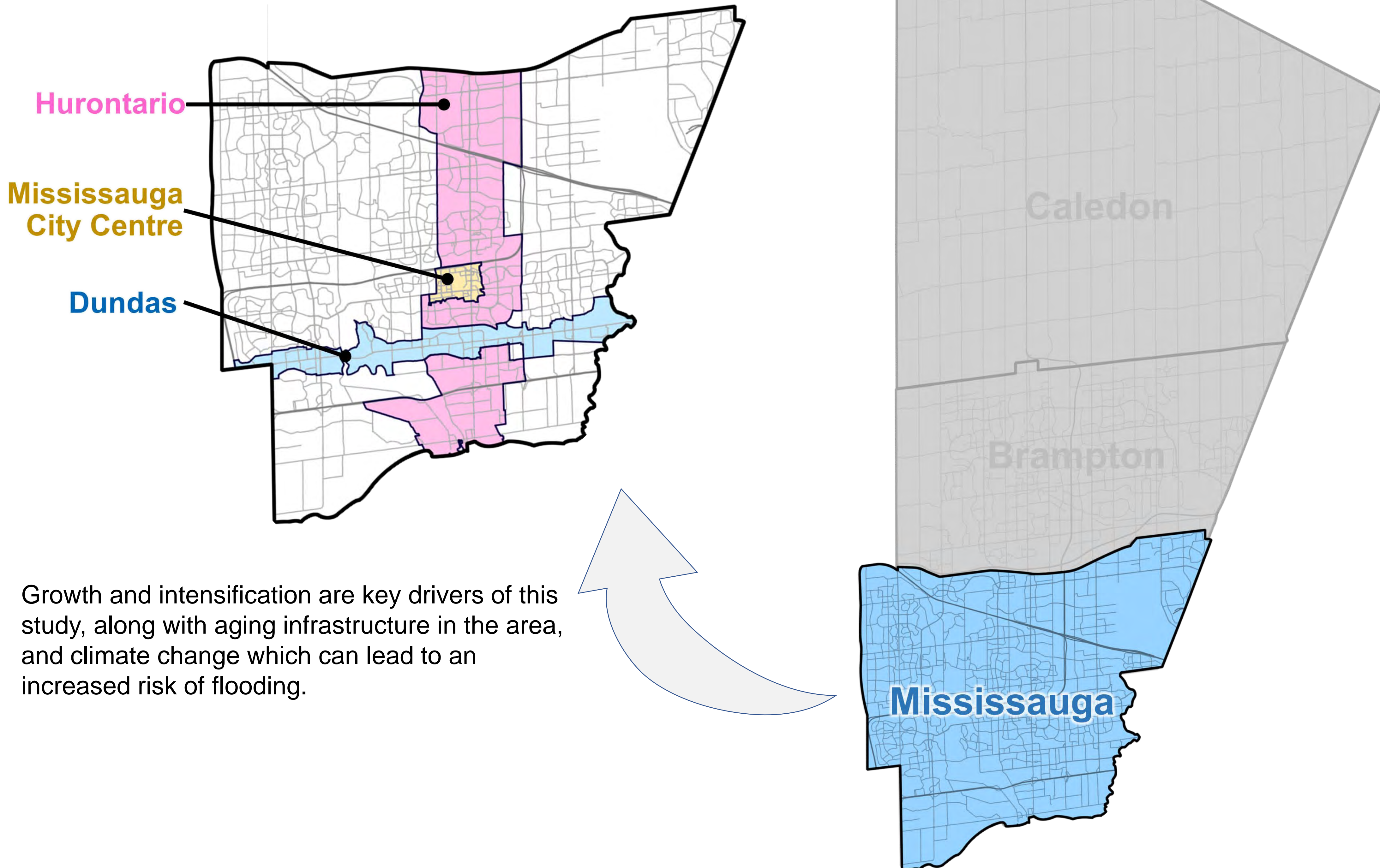
The purpose of the *Wastewater Capacity Improvements in the Central Mississauga Class Environmental Assessment* is to increase the conveyance capacity of key trunk sewers to service future growth and ensure alignment with the Region's long-term plan for providing wastewater services within the Mississauga City Centre, Hurontario Corridor and Dundas Corridor areas.

Key Servicing Strategy Objectives:

- 1- Increase system capacity to service future growth
- 2- Ensure the best use and enhancement of the existing wastewater infrastructure
- 3- Provide operational flexibility for sewer maintenance, inspection and emergency
- 4- Reduce potential risk of sewer surcharging
- 5- Reduce potential for sanitary overflows into rivers and the environment

What Are The Contributing Factors? Strategic Planning

Intensification Corridors



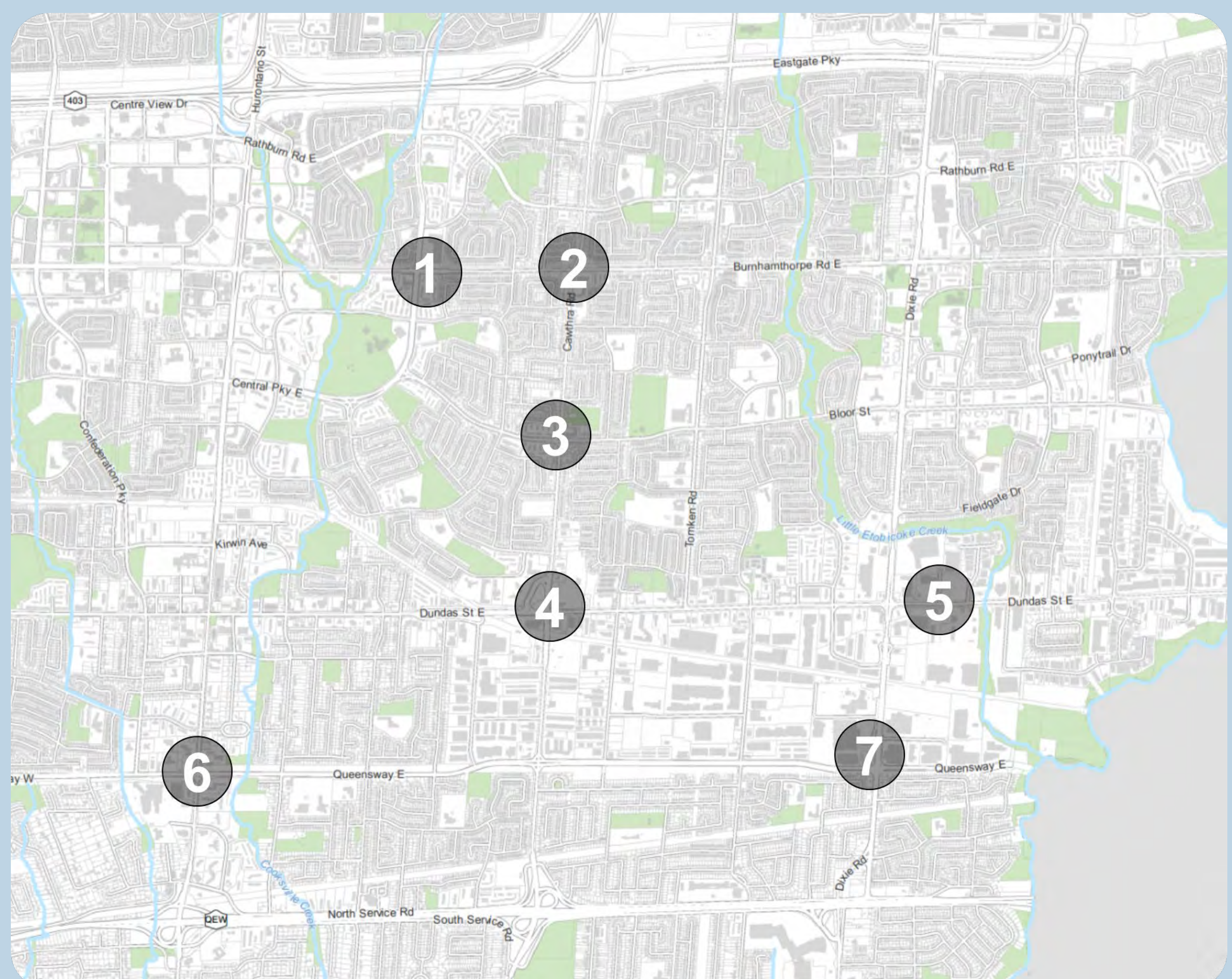
Growth and intensification are key drivers of this study, along with aging infrastructure in the area, and climate change which can lead to an increased risk of flooding.

This study considers the following projects planned within the study area:

1. Burnhamthorpe Rd Road Reconstruction and Watermain Improvements
2. Cawthra Rd Sanitary Sewer Installation (along Burnhamthorpe Rd and Cawthra Rd)
3. Cawthra Rd Road Improvements and Watermain Construction
4. Dundas St Road Rehabilitation
5. Sanitary Sewer & Watermain Improvements near Mattawa Ave
6. Hurontario Light Rail Transit
7. Dixie Rd Watermain Installation and Roads /Sanitary Sewer Improvements

The Region is also looking at “big picture” infrastructure planning, with the following Region-wide projects currently in progress:

- Water and Wastewater Master Plan Update
- Stormwater Servicing Plan for Regional Roads




Where Is The Study Located?

Study Area


Existing Wastewater System


The Central Mississauga study area includes 6 existing key trunk sewers. The Cawthra Rd Trunk Sewer is currently under construction and once in operation, will also be a key trunk sewer in this area. Wastewater from the key trunk sewers flows to the G.E. Booth Wastewater Treatment Plant (WWTP) for treatment.

General Features

 Study Area Boundary

Existing Wastewater Infrastructure


 Wastewater Treatment Plant (WWTP)


 Sanitary Pumping Stations (SPS)

 Sanitary Trunk Sewer


 Sanitary Local Sewer


Existing Key Trunk Sewers

 1 – Upper Cooksville Creek

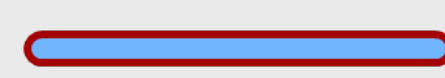
 2 – Lower Cooksville Creek

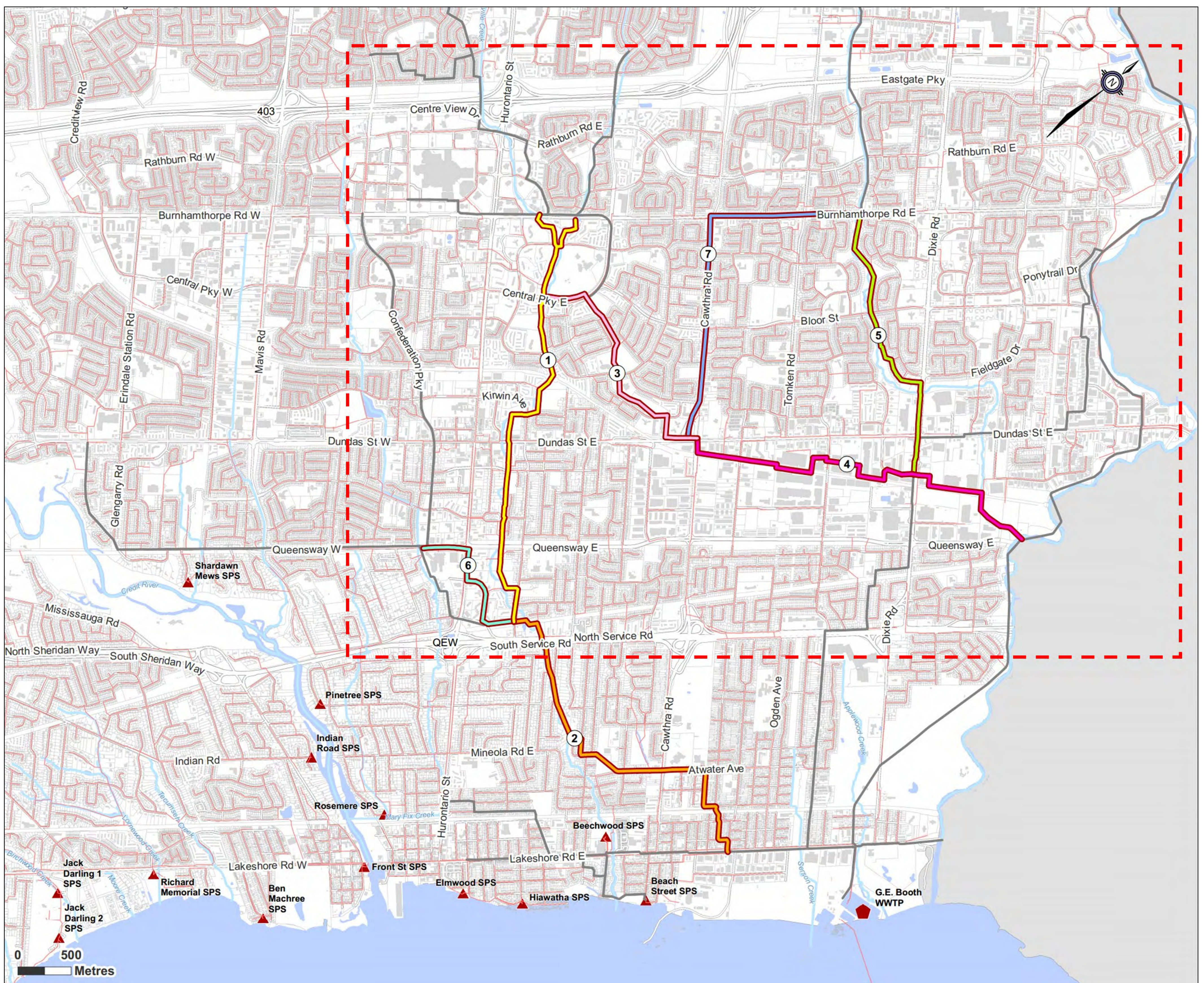
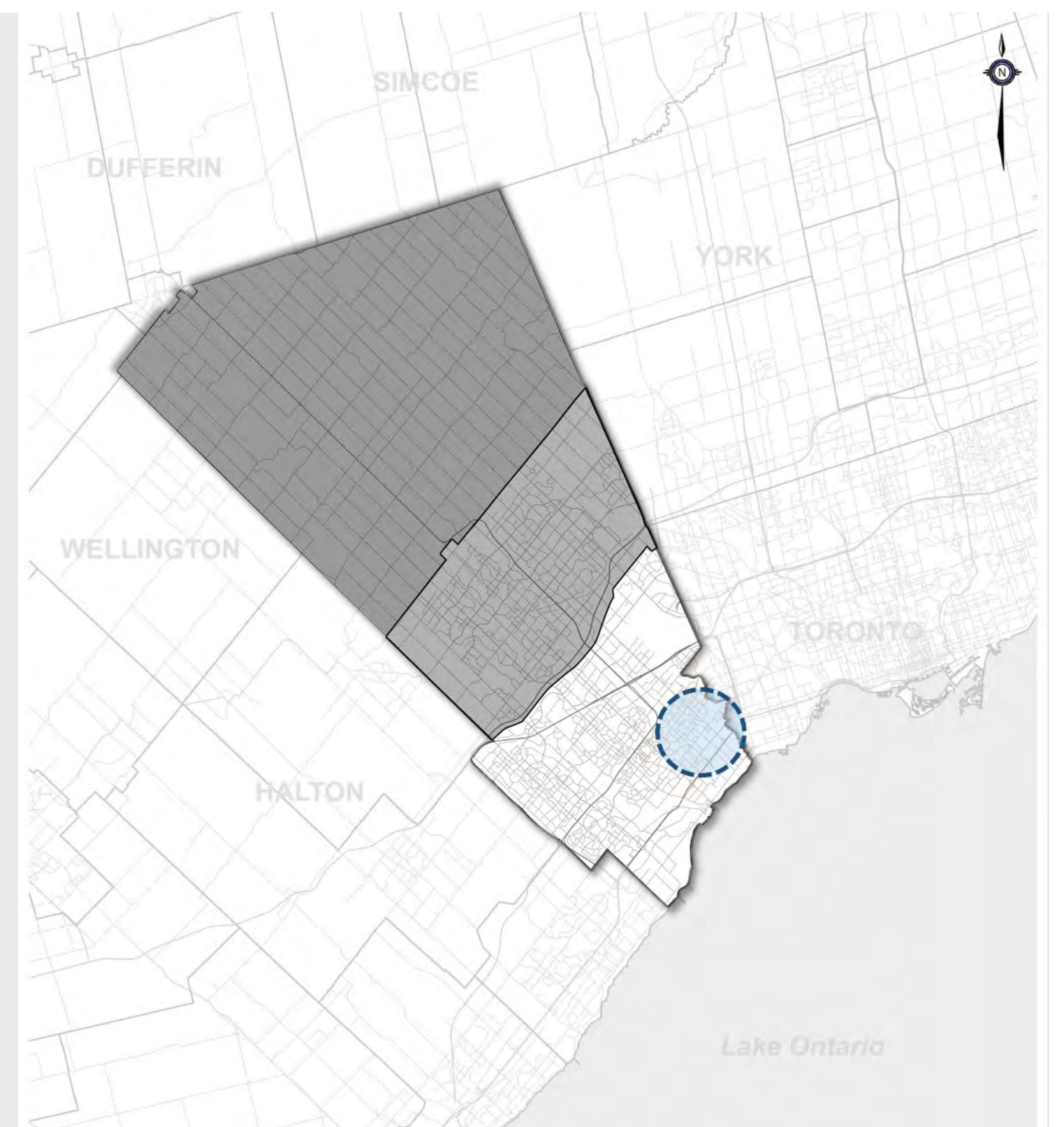
 3 – Upper CPR

 4 – Lower CPR

 5 – Little Etobicoke Creek

 6 – Queensway

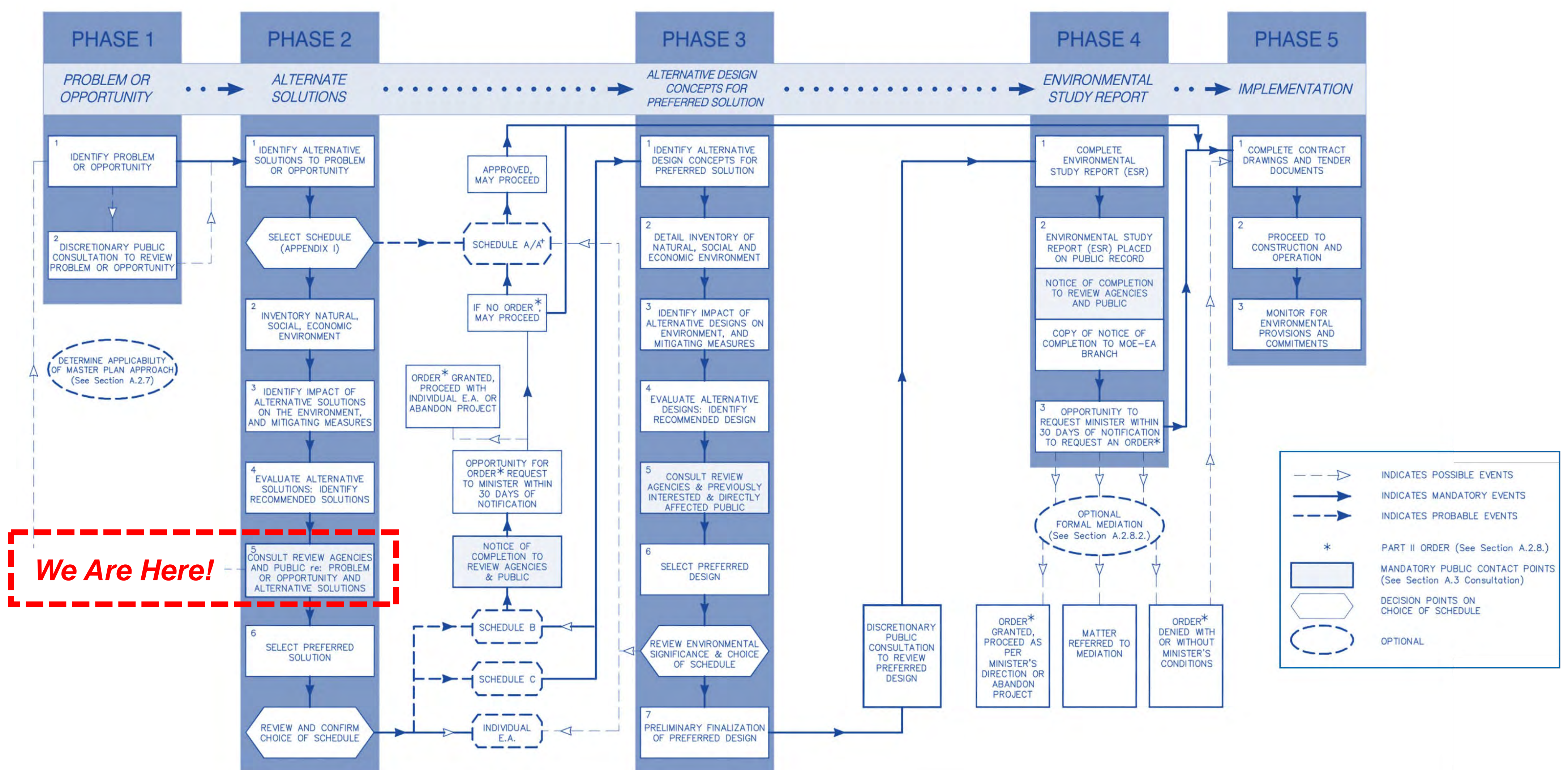
 7 – Cawthra Rd (under construction / planned)



Where Are We in the Study Process?

Process and Consultation

This Study is being undertaken as a Schedule 'C' Class EA and will satisfy Phases 1 to 5 of the Municipal Class Environmental Assessment.



Source: MEA Municipal Class Environmental Assessment

Project Schedule Timeline

Phase 1

Identify & Describe the Problem / Opportunity Statement

Notice of Commencement
May 2019

Phase 2

Complete Study Area Inventory & Identify / Evaluate Alternative Solutions

PIC NO. 1
We Are Here!
Public Consultation / Review Agency Contact Point
March 2020

Phase 3

Complete Preferred Solution Inventory & Identify / Evaluate Alternative Design Concepts

PIC NO. 2
Public Consultation / Review Agency Contact Point
Fall 2020

Phase 4

Complete the Environmental Study Report

Notice of Completion (Mandatory Contact Point)
March 2021

Phase 5

Develop Implementation Plan for Preferred Solution

March 2021

This Study is being undertaken as a Schedule 'C' Class Environmental Assessment, satisfying all phases in accordance with the Municipal Class Environmental Assessment process (October 2000, as amended in 2007, 2011 and 2015), which is an approved process under the Ontario Environmental Assessment Act.

What Are The Study Area Features?

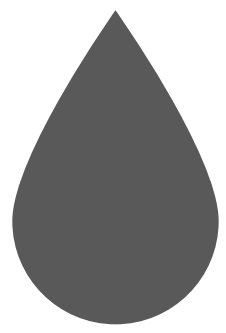
Natural Environment

The following technical investigations for natural environment have been completed for the study area:



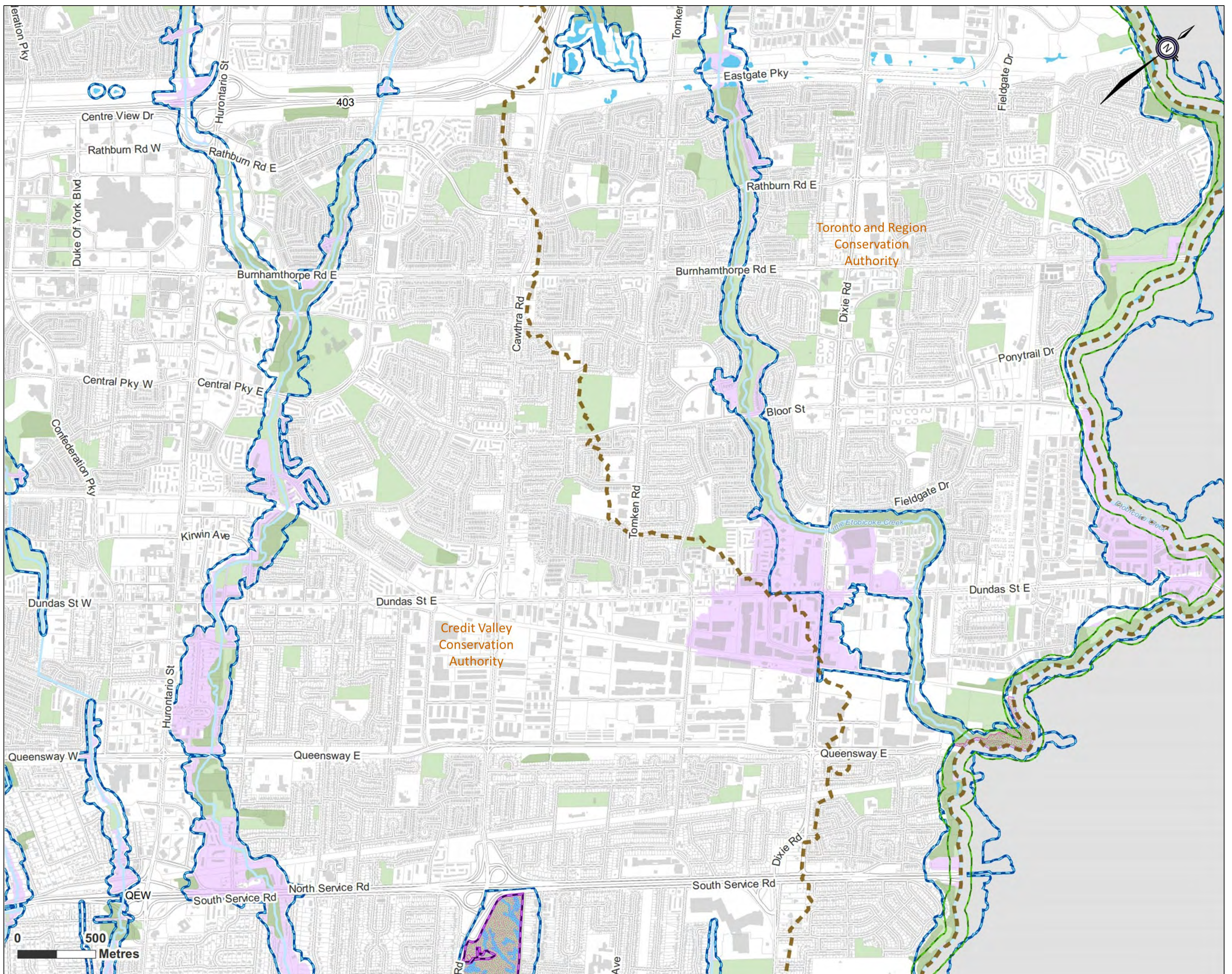
Natural Environment

- Inventory of Species at Risk, significant natural features, wildlife habitats, and City parks within the study area, to determine the potential impacts of this project and any mitigation measures required



Hydrogeological

- Desktop review of hydrogeological conditions and Source Water Protection policy areas



Environmental Features

- | | | |
|---|-----------|----------------------------|
| Environmentally Sensitive Areas (ESA) | Wetlands | Watercourses |
| Areas of Natural and Scientific Interest (ANSI) | Woodlands | Conservation Area Boundary |
| Regulation Limits | Parks | |
| Floodplains | | |
| Greenbelt Boundary | | |

What Are The Study Area Features?

Socio-Economic & Cultural

The following technical investigations for socio-economic and cultural heritage have been completed for the study:



Socio-Economic

- Identification of the existing and future land uses within the study area



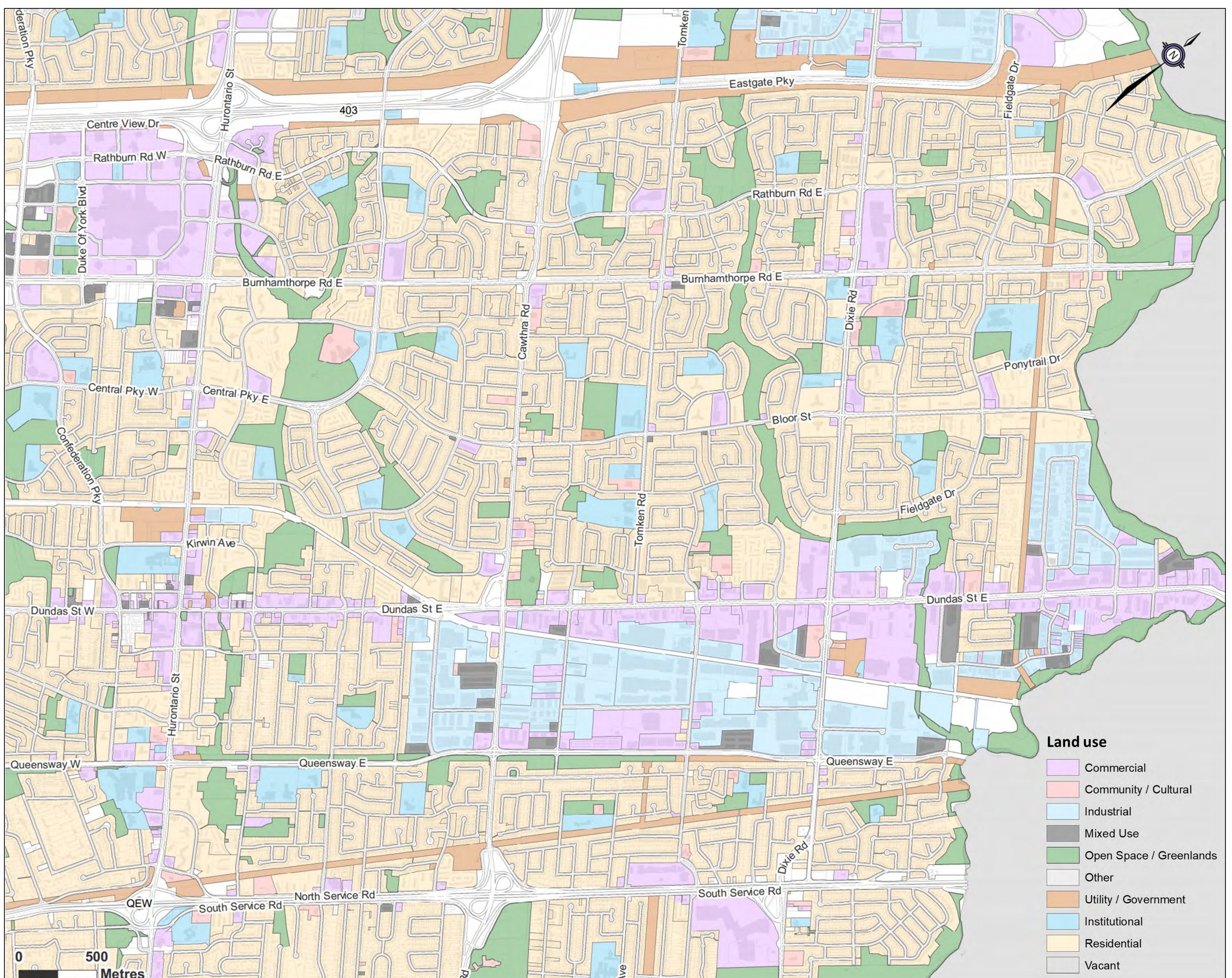
Archaeological

- Assessment of archaeological potential within the study area based on its historic use and potential for early Canadian and pre-contact Aboriginal occupation



Cultural Heritage

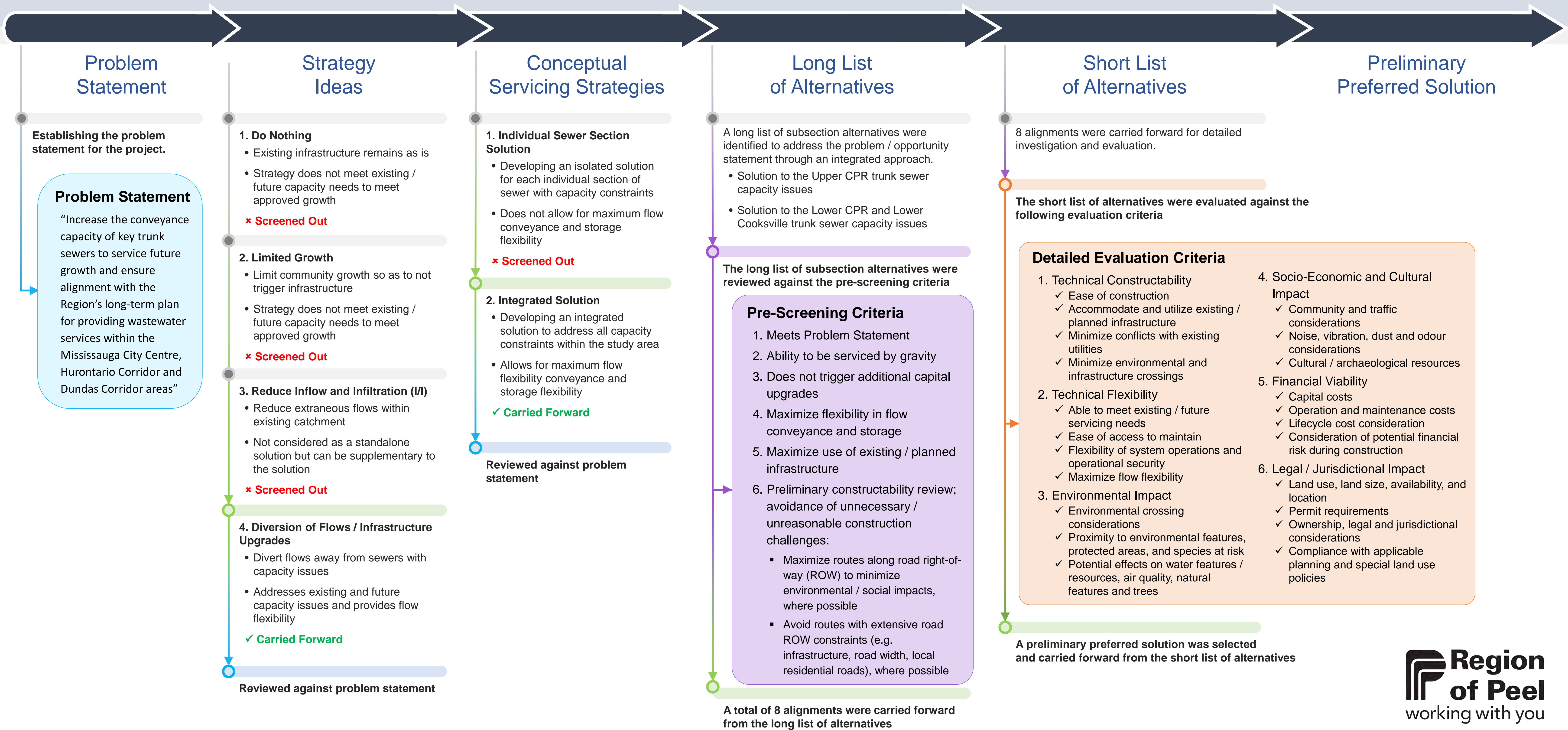
- Identification of properties within the study area with cultural heritage classification or potential, their constraints, and recommendations for further investigations or studies



What is the decision-making process?

Environmental Assessment (EA) Process Overview

Project Environmental Assessment Process



Long List To Short List Evaluation Pre-Screening Criteria

Project EA Process

Problem Statement

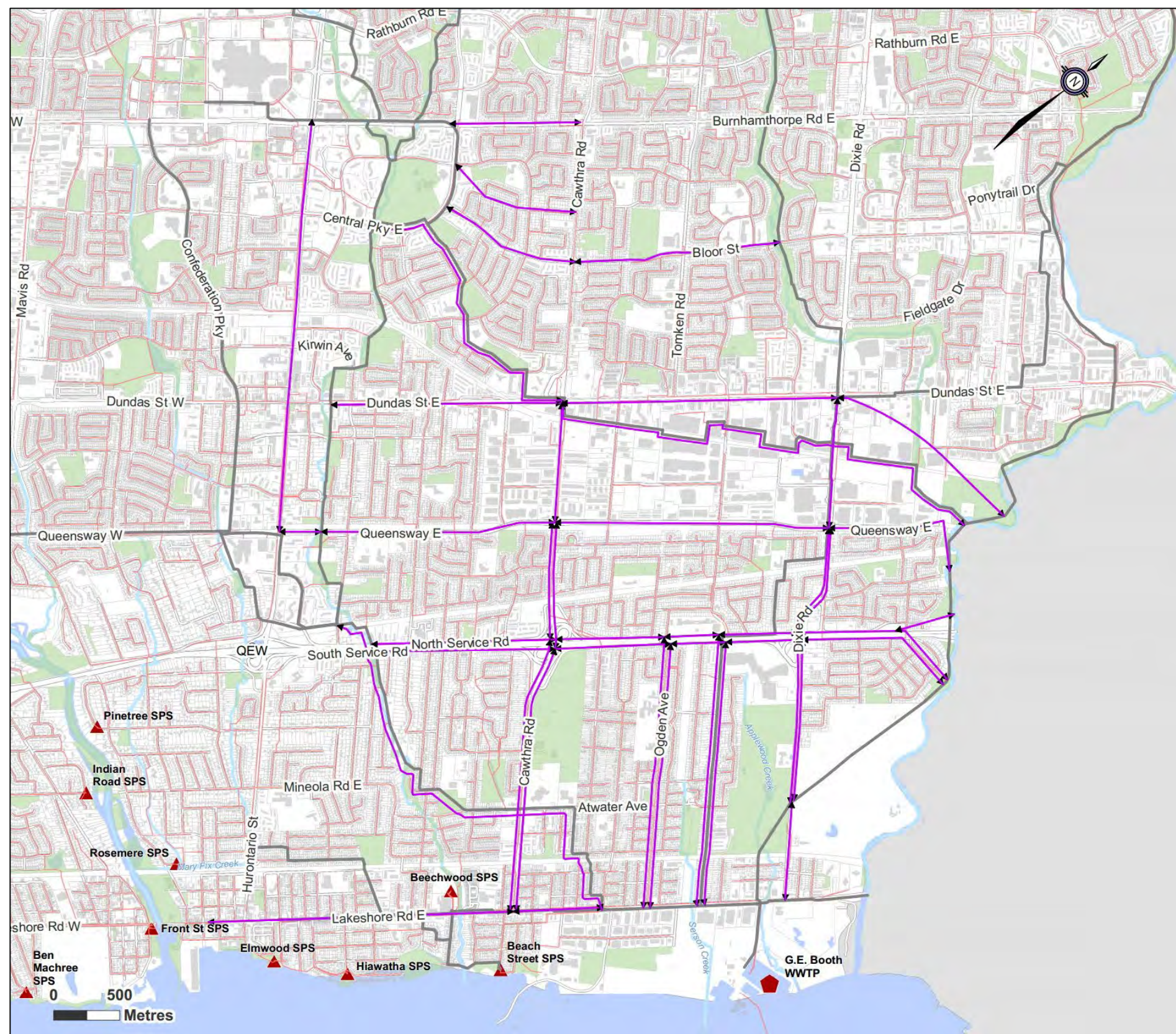
Strategy Ideas

Conceptual Servicing Strategies

Long List of Alternatives

Short List of Alternatives

Preliminary Preferred Solution

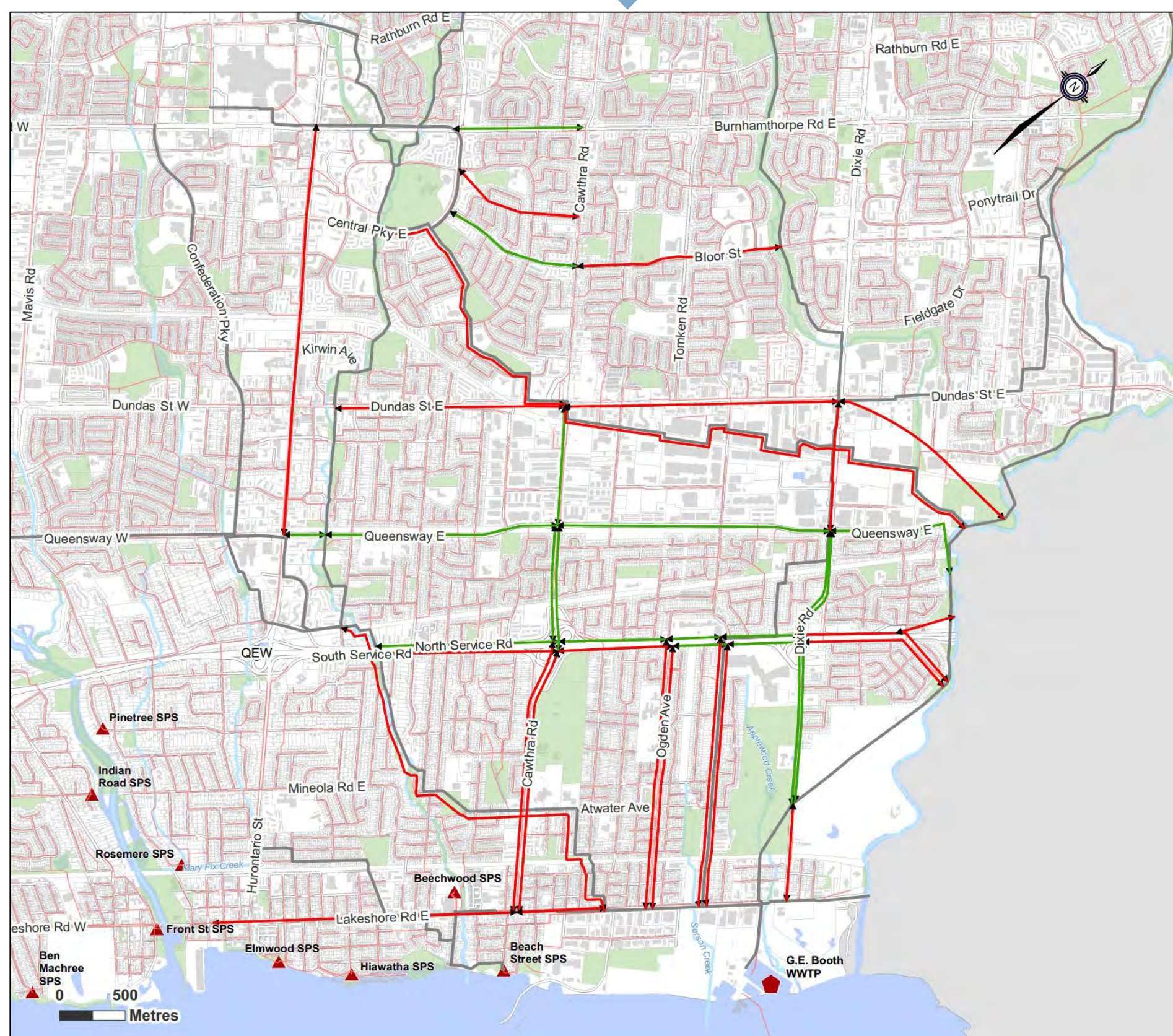


A long list of subsection alternatives were identified to address the problem / opportunity statement through an integrated approach:

1. Solution to the Upper CPR trunk sewer capacity issues
2. Solution to the Lower CPR and Lower Cooksville trunk sewer capacity issues

Wastewater Infrastructure

- ▶ Long-list Alignment Alternatives
- Existing Sanitary Trunk Sewers
- Existing Sanitary Local Sewer

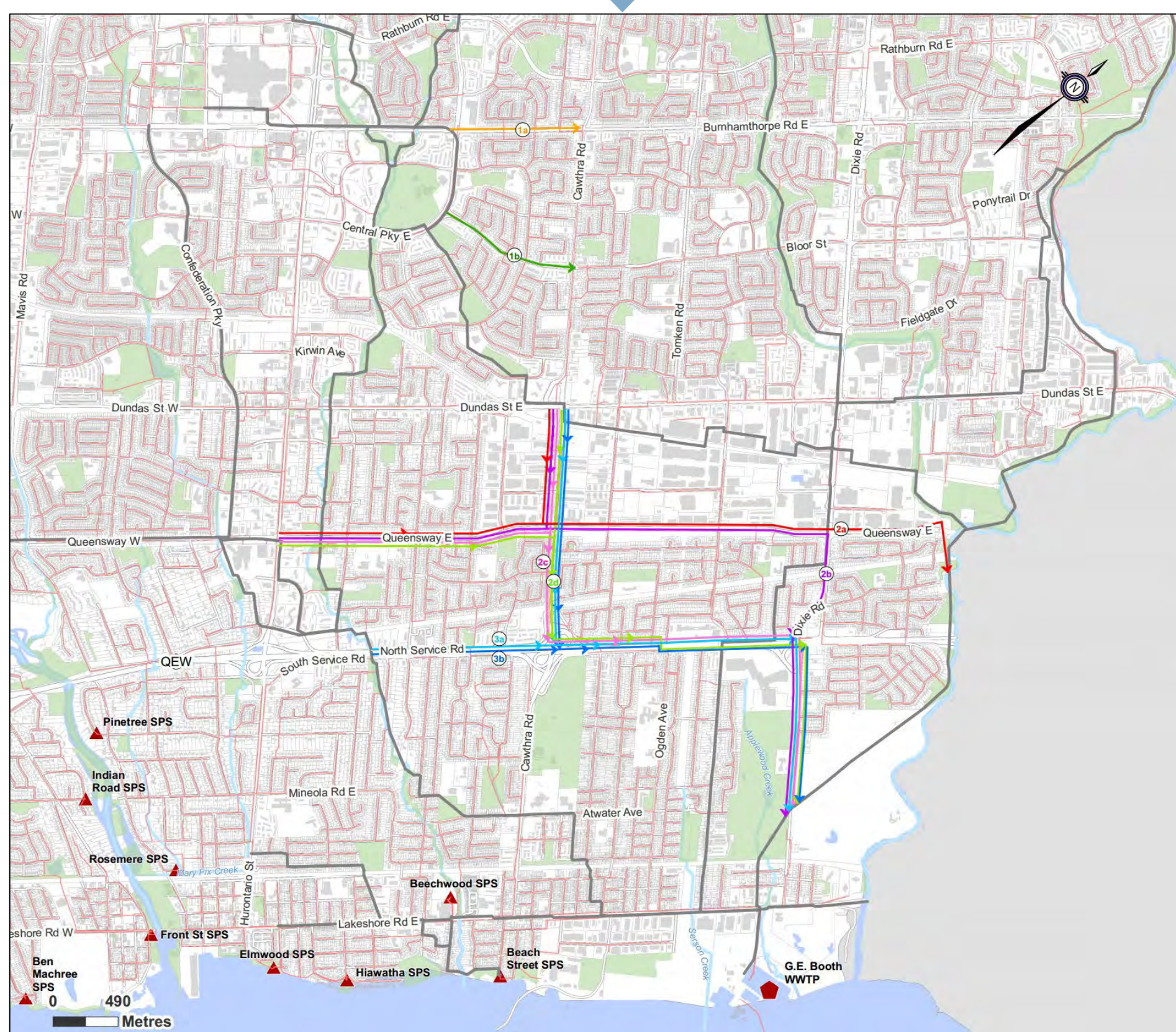


The following screening criteria were used to evaluate the long list of subsection alternatives

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:
 - a. Maximize routes along road right-of-way (ROW) to minimize environmental/social impacts, where possible
 - b. Avoid routes with extensive road ROW constraints (e.g. infrastructure, road width, local residential roads), where possible

Wastewater Infrastructure

- ▶ Short-list Alignment Alternatives
- ▶ Screened-out Alignments
- Existing Sanitary Trunk Sewers
- Existing Sanitary Local Sewer



Through the pre-screening evaluation of the 43 long list of subsection alternatives, 8 alignments were carried forward for a detailed investigation and evaluation

Short-list Alternatives

- ▶ Burnhamthorpe Rd – 1a
- ▶ Bloor St – 1b
- ▶ Queensway – 2a
- ▶ Queensway – 2b
- ▶ Queensway – 2c
- ▶ Queensway – 2d
- ▶ North Service Rd – 3a
- ▶ North Service Rd – 3b
- Existing Sanitary Trunk Sewers
- Existing Sanitary Local Sewer

Short List Evaluation Evaluation Criteria

Project EA Process

Problem Statement

Strategy Ideas

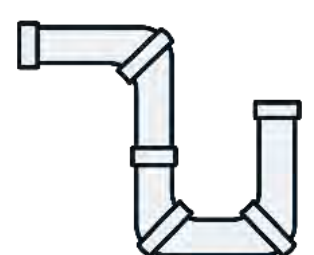
Conceptual
Servicing StrategiesLong List
of AlternativesShort List
of AlternativesPreliminary
Preferred Solution

The following criteria were used to evaluate the short list of alternatives and select a preliminary preferred solution



TECHNICAL CONSTRUCTABILITY

- ✓ Ease of construction
- ✓ Accommodates and utilizes existing infrastructure
- ✓ Compatibility with existing / planned infrastructure
- ✓ Minimize environmental and infrastructure crossings
- ✓ Minimize conflicts with existing utilities



TECHNICAL FLEXIBILITY

- ✓ Technical viability through ability to meet existing / future servicing needs
- ✓ Ease of access to maintain
- ✓ Flexibility of system operations and operational security
- ✓ Maximize flow flexibility



ENVIRONMENTAL

- ✓ Environmental crossing consideration
- ✓ Proximity to environmental features, protected areas, and species at risk
- ✓ Potential impacts to water features/resources, air quality, natural features and trees
- ✓ Geology, hydrogeology, contamination considerations



SOCIO-ECONOMIC AND CULTURAL

- ✓ Community and traffic considerations
- ✓ Noise, vibration, dust and odour considerations
- ✓ Cultural heritage resources
- ✓ Archaeological resources



FINANCIAL

- ✓ Capital costs
- ✓ Operation and maintenance costs
- ✓ Lifecycle cost consideration
- ✓ Consideration of potential financial risk during construction



LEGAL / JURISDICTIONAL

- ✓ Land use, land size, availability, and location
- ✓ Permit requirements
- ✓ Ownership, legal and jurisdictional considerations
- ✓ Compliance with applicable planning and special land use policies

Short List Evaluation Evaluation Rating System

Project EA Process



Evaluation of the Alternative Solutions for the Upper CPR Trunk Sewer Capacity Issues

| Factor | Evaluation Criteria | 1a. Burnhamthorpe Rd from Central Pkwy to Cawthra Rd | 1b. Bloor St from Central Pkwy to Cawthra Rd |
|------------------------|---|--|---|
| Technical | Constructability | Green | Yellow |
| | Compatibility with existing / planned infrastructure | Green | Red |
| | Impacts on existing utilities | Green | Green |
| | Accessibility | Green | Green |
| | Ability to meet existing / future servicing needs | Green | Green |
| Environmental | Impact on environmentally sensitive features | Green | Green |
| | Impact on water features / resources and hydrogeology | Green | Green |
| | Impact on trees | Green | Green |
| Social / Cultural | Impact to Species at Risk | Green | Green |
| | Impact on traffic conditions | Yellow | Red |
| | Cultural heritage / archaeological considerations | Green | Green |
| Financial | Potential impact on community | Yellow | Red |
| | Capital costs | Green | Yellow |
| | Operation and maintenance costs | Green | Green |
| Legal / Jurisdictional | Lifecycle costs | Green | Yellow |
| | Property acquisition | Green | Green |
| Legal / Jurisdictional | Compliance with applicable planning policies | Green | Green |
| | Key Factors | <ul style="list-style-type: none"> ✓ Low potential for environmental impact ✓ Good opportunity for shaft locations ✓ Existing land use further from road right of way, higher potential to buffer surrounding land use during construction ✓ Potential opportunity to integrate with planned infrastructure upgrades | <ul style="list-style-type: none"> ✓ Low potential for environmental impact ✗ Shaft size options more constrained ✗ Existing land use closer to road right of way, moderate potential to buffer during construction ✗ Does not maximize planned infrastructure upgrades |
| Overall Score | | Most Preferred | Least Preferred |

Evaluation Rating System

Most Preferred

Less Preferred

Least Preferred

Evaluation of the Alternative Solutions for the Lower CPR and Lower Cooksville Trunk Sewer Capacity Issues

| Factor | Evaluation Criteria | 2a. Queensway from Hurontario St to East Trunk | 2b. Queensway from Hurontario St to East Trunk – Dixie Rd | 2c. Queensway from Hurontario St to East Trunk – North Service Rd & Dixie Rd | 2d. Queensway from Hurontario St to East Trunk – North/South Service Rd & Dixie Rd | 3a. North Service Rd from Lower Cooksville to East Trunk – Dixie Rd | 3b. North Service Rd from Lower Cooksville to East Trunk – South Service Rd |
|------------------------|---|---|--|--|--|---|---|
| Technical | Constructability | Yellow | Yellow | Red | Red | Red | Red |
| | Compatibility with existing / planned infrastructure | Green | Red | Red | Red | Red | Red |
| | Impacts on existing utilities | Green | Green | Green | Green | Green | Green |
| | Accessibility | Green | Green | Yellow | Yellow | Yellow | Yellow |
| | Ability to meet existing / future servicing needs | Green | Green | Green | Green | Green | Green |
| Environmental | Impact on environmentally sensitive features | Yellow | Green | Green | Green | Green | Green |
| | Impact on water features / resources and hydrogeology | Yellow | Green | Green | Green | Green | Green |
| | Impact on trees | Green | Green | Green | Green | Green | Green |
| Social / Cultural | Impact to Species at Risk | Yellow | Green | Green | Green | Green | Green |
| | Impact on traffic conditions | Green | Yellow | Red | Red | Red | Red |
| | Cultural heritage / archaeological considerations | Green | Green | Green | Green | Green | Green |
| Financial | Potential impact on community | Green | Yellow | Red | Red | Red | Red |
| | Capital costs | Green | Green | Red | Red | Red | Red |
| | Operation and maintenance costs | Green | Green | Red | Red | Red | Red |
| Legal / Jurisdictional | Lifecycle costs | Green | Yellow | Red | Red | Red | Red |
| | Property acquisition | Green | Yellow | Red | Red | Red | Red |
| Legal / Jurisdictional | Compliance with applicable planning policies | Green | Green | Green | Green | Green | Green |
| | Key Factors | <ul style="list-style-type: none"> ✓ Good opportunity for shaft locations ✓ Hydraulic benefit due to straight alignment ✓ Larger road right of way with higher potential to buffer surrounding land use during construction ✗ Requires two water feature crossings (Cooksville Creek & Etobicoke Creek) | <ul style="list-style-type: none"> ✓ Moderate opportunity for shaft locations ✓ Requires one water feature crossing (Cooksville Creek) ✗ QEW road crossing ✗ Conflicts with Ministry of Transportation planned projects at Dixie Rd and QEW ✗ Hydraulic disadvantage due to alignment turns/curves ✗ Increased property / acquisition requirements for connection to existing sewer (Dixie Rd) | <ul style="list-style-type: none"> ✓ Requires one water feature crossing (Cooksville Creek) ✗ Limited opportunity for shaft locations ✗ QEW road crossing ✗ Conflicts with Ministry of Transportation planned projects at Dixie Rd and QEW ✗ Hydraulic disadvantage due to alignment turns/curves ✗ Sections of constrained road right of way with low potential to buffer surrounding land use during construction ✗ Increased property / acquisition requirements for connection to existing sewer (Dixie Rd) | | | |
| Overall Score | | Most Preferred | Less Preferred | Least Preferred | | | |

Preliminary Preferred Solution Conceptual Sewer Alignment

Project EA Process

Problem Statement

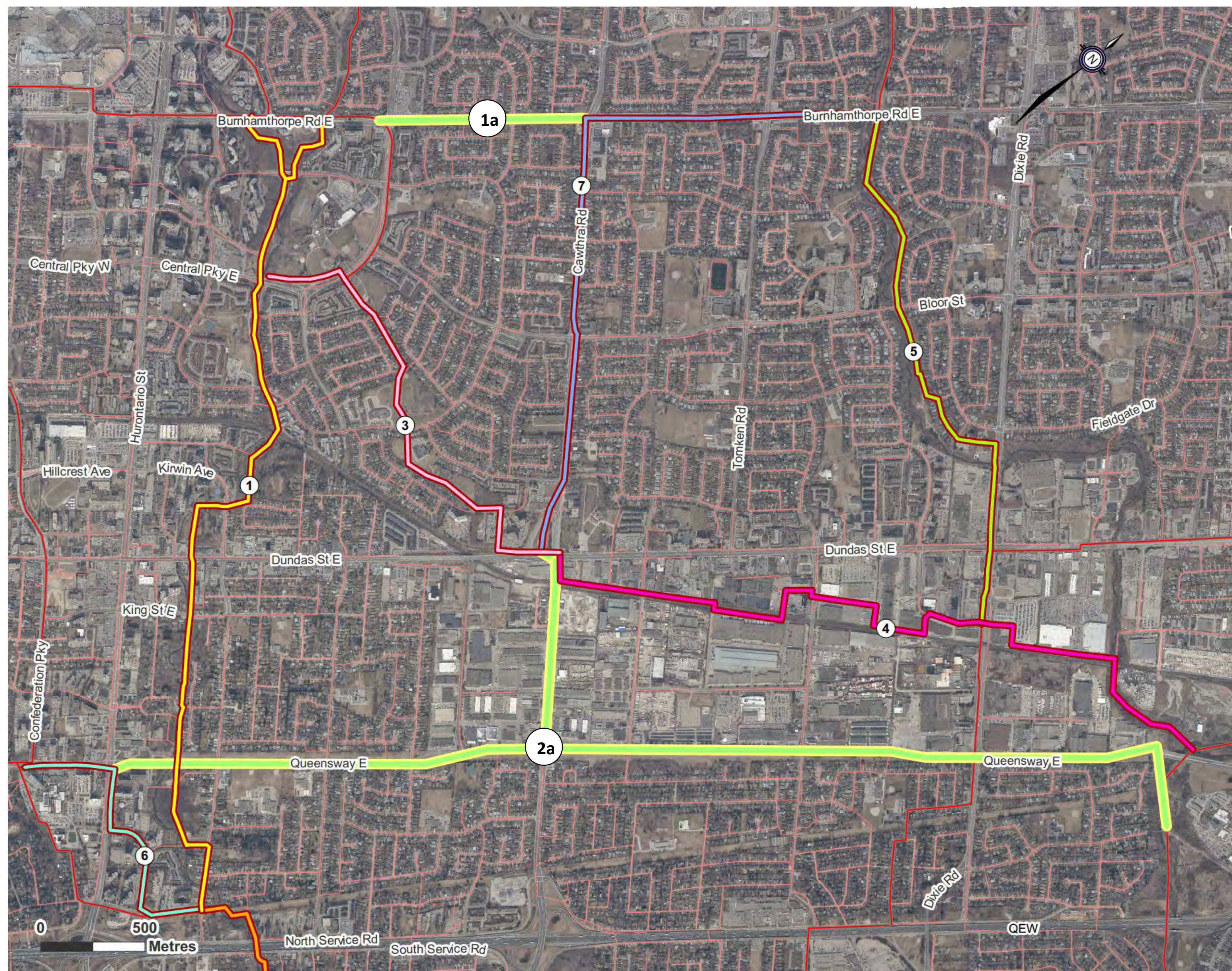
Strategy Ideas

Conceptual Servicing Strategies

Long List of Alternatives

Short List of Alternatives

Preliminary Preferred Solution



Burnhamthorpe Rd Alignment Opportunities (1a)

- ✓ Low potential for environmental impact
- ✓ Existing land use further from road right of way, higher potential to buffer surrounding land use during construction
- ✓ Potential opportunity to integrate with planned infrastructure upgrade (Wilcox Rd sanitary sewer upgrades)

Queensway Alignment Opportunities (2a)

- ✓ Larger road right of way with higher potential to buffer surrounding land use during construction
- ✓ Hydraulic benefit due to the straight alignment
- ✓ Less overall constructability risk
- ✓ Allows for maximum sanitary sewer connection points
- ✓ Lower capital and overall lifecycle costs

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

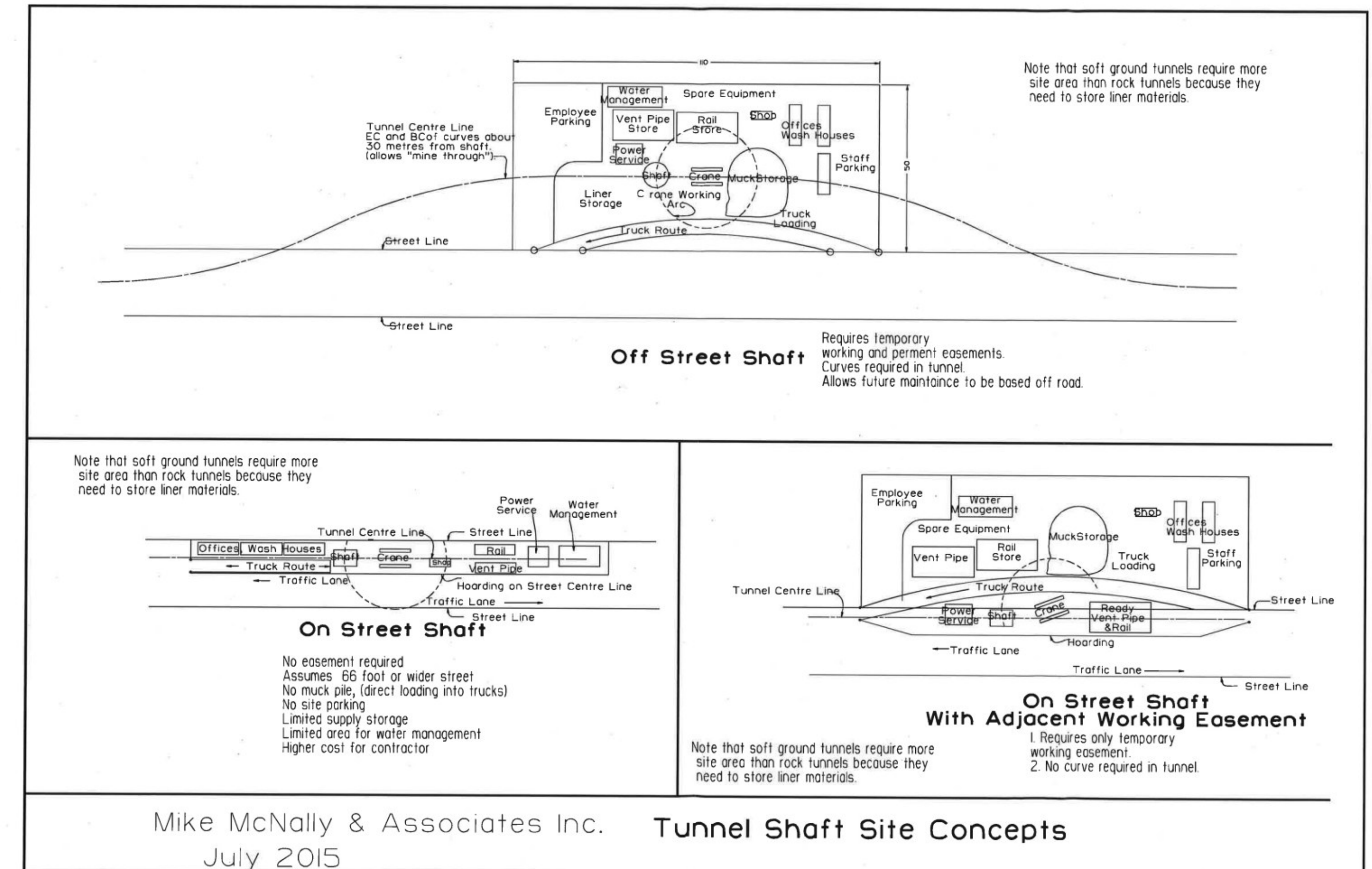
- Trunk Sewer (> 600mm)
- Local Sewer (< 600 mm)

Preferred Alignment

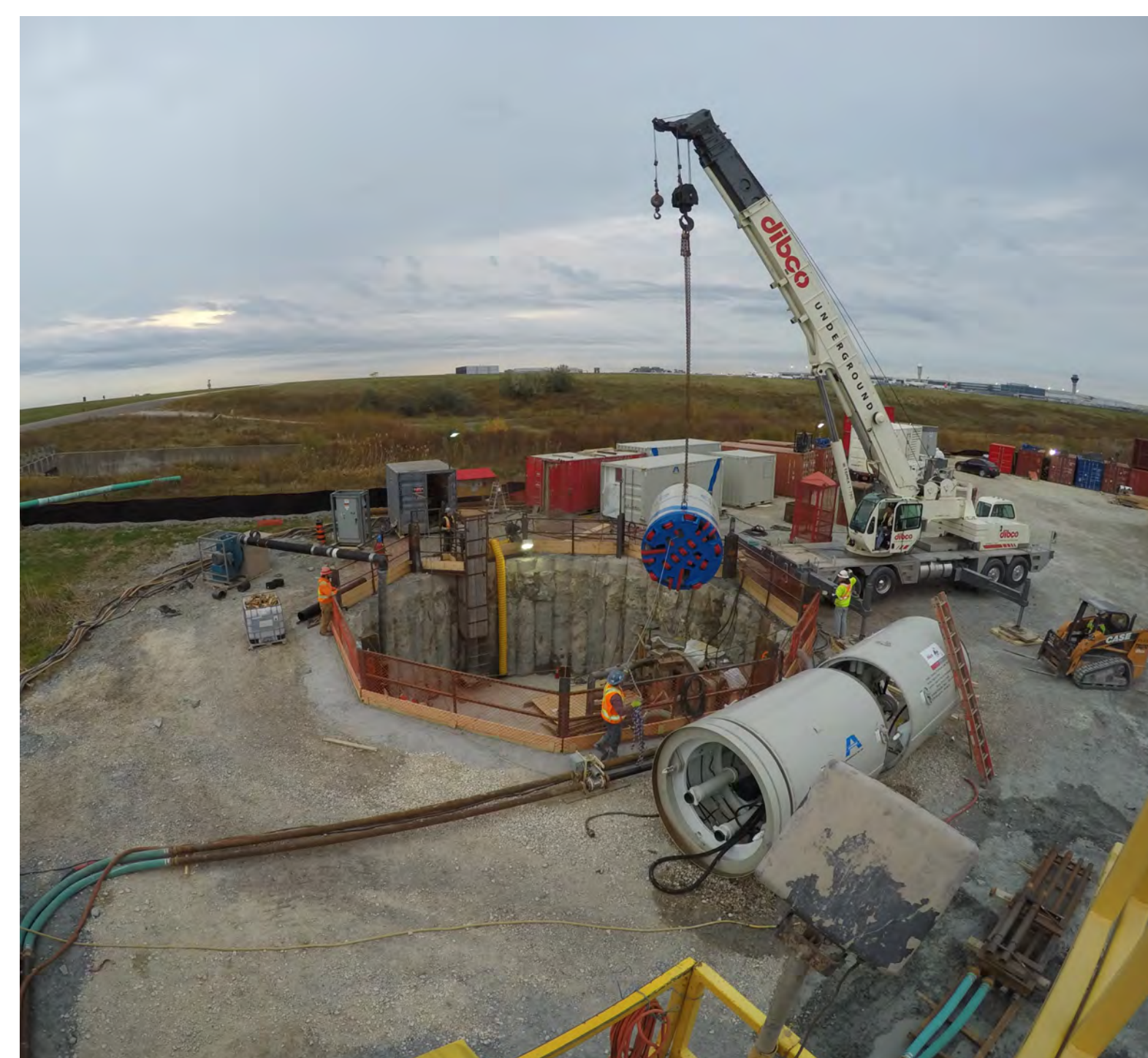
- Preferred Alignments

Preliminary Preferred Solution Construction Methodology & Assumptions

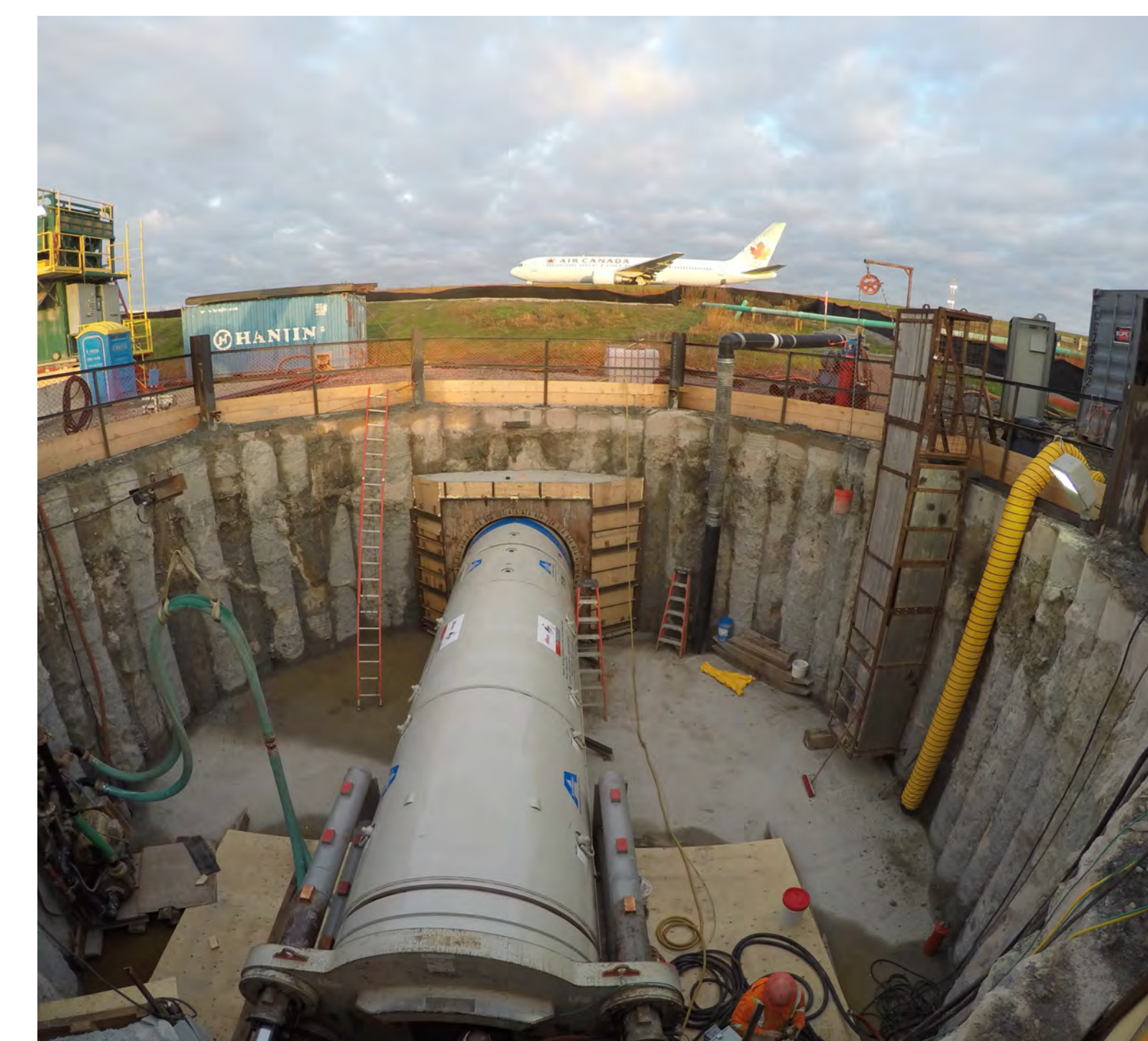
- The depth of the proposed sewer alignments require the use of tunneling as opposed to open cut method
 - Sewer depth driven by key connection points
 - Sewer depth will avoid impacts to natural features
- The only surface works involved with tunnel construction are entrance/exit shafts located between 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



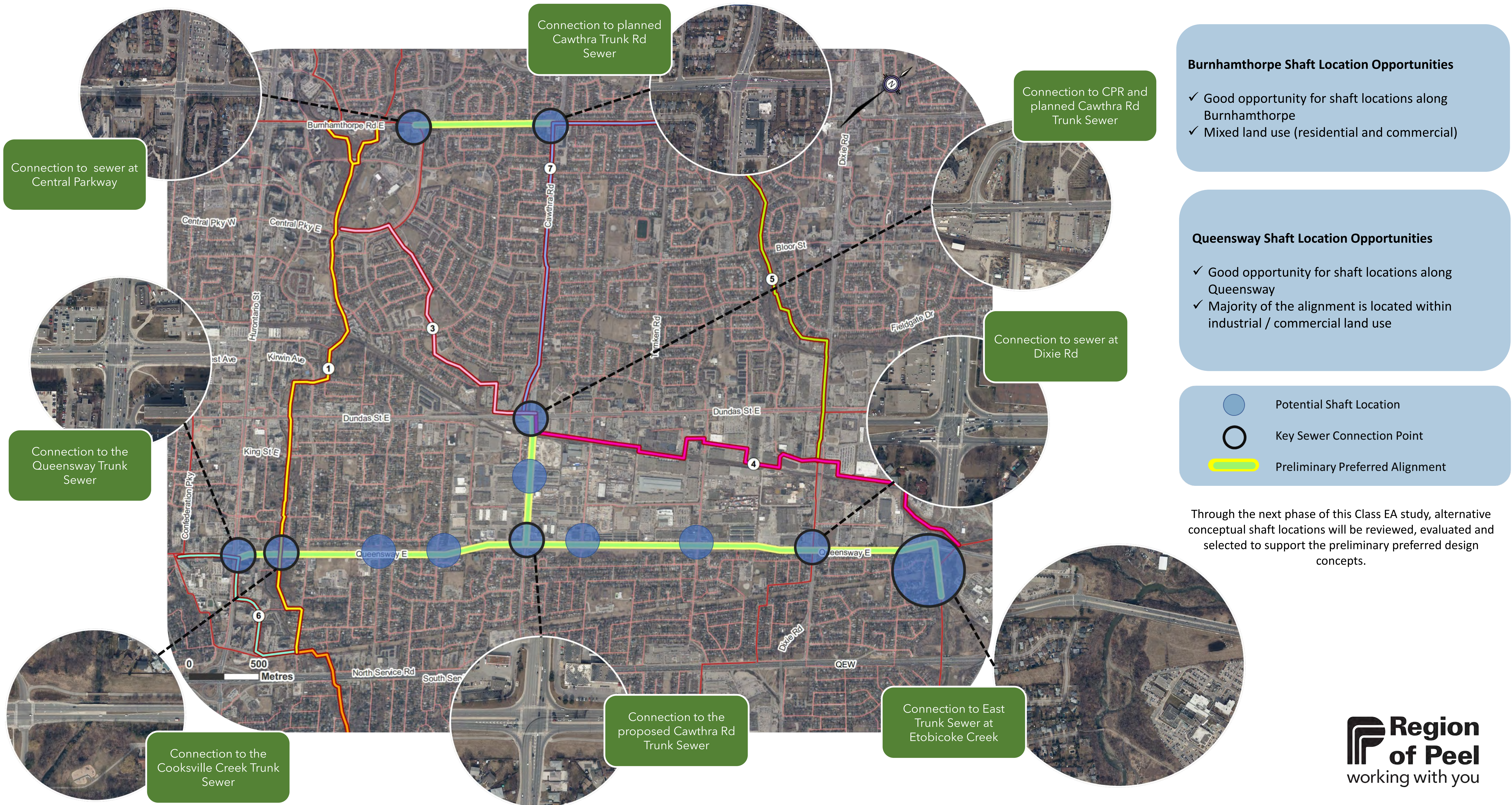
Tunnel for the twinning of the West Trunk Sanitary Sewer Contract 2



Shaft site for the twinning of the Etobicoke Creek Sanitary Trunk Sewer under Runway 23 at Lest B. Pearson International Airport



Preliminary Preferred Solution Conceptual Shaft Locations



Burnhamthorpe Shaft Location Opportunities

- ✓ Good opportunity for shaft locations along Burnhamthorpe
- ✓ Mixed land use (residential and commercial)

Queensway Shaft Location Opportunities

- ✓ Good opportunity for shaft locations along Queensway
- ✓ Majority of the alignment is located within industrial / commercial land use

- Potential Shaft Location
- Key Sewer Connection Point
- Preliminary Preferred Alignment

Through the next phase of this Class EA study, alternative conceptual shaft locations will be reviewed, evaluated and selected to support the preliminary preferred design concepts.

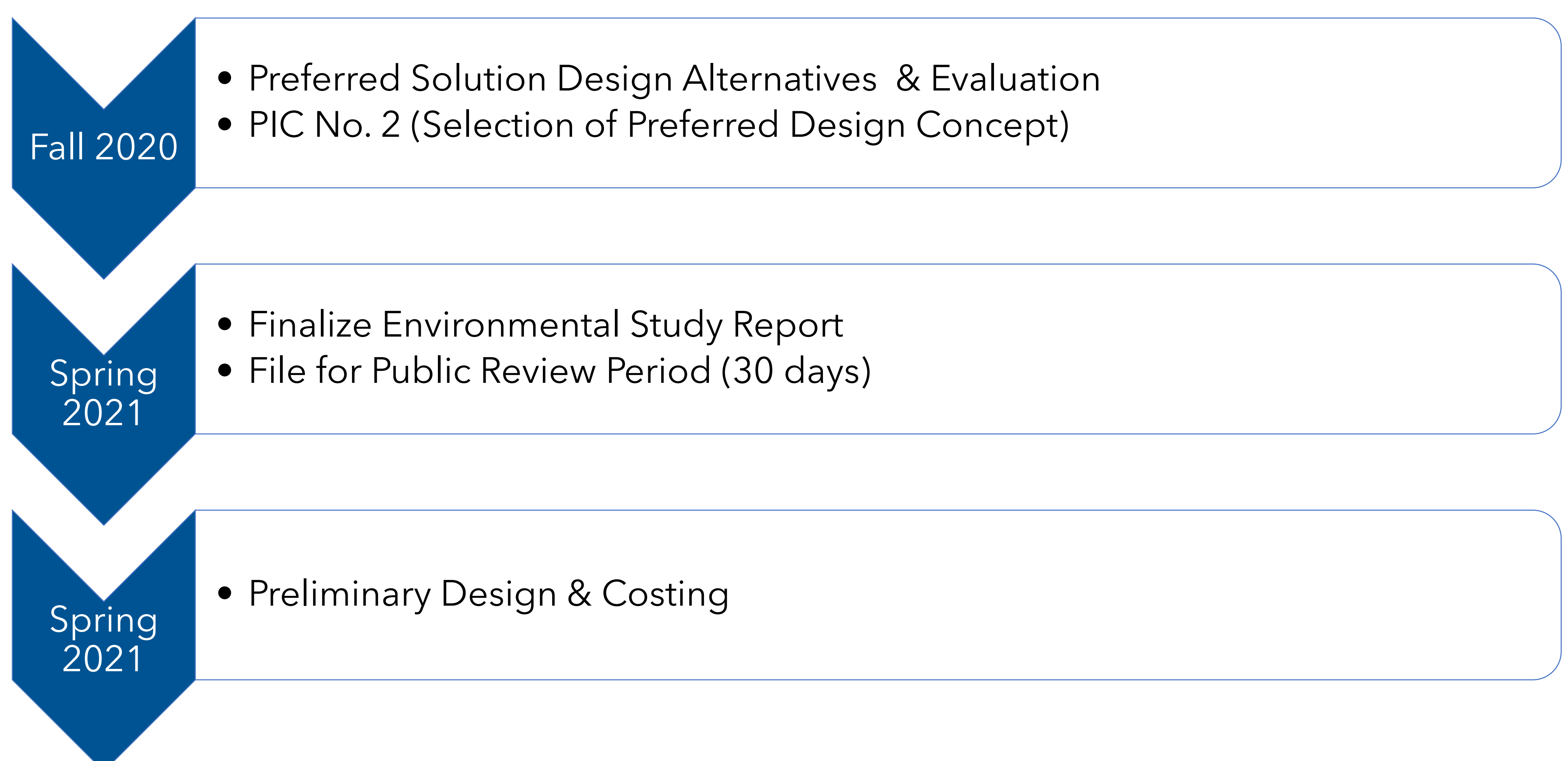
What are the next steps?

Class EA Process

Next Steps:

- ❖ Review comments from PIC No. 1
- ❖ Confirm preferred solution
- ❖ Evaluate and select the preferred design concept
 - Preliminary design
 - Shaft and property requirements
 - Detailed Implementation Plan
- ❖ Prepare for PIC No. 2
- ❖ Complete additional technical studies on the preferred solution / design concept which may include:
 - Stage 2 Archaeological Assessment
 - Natural Features Assessment
 - Agricultural Impact Assessment
 - Geotechnical Study
 - Phase One Environmental Site Assessment
 - Hydrogeomorphology Study
- ❖ Continue to consult with review and approval agencies and other key stakeholders

Schedule:



Appendix B - Notice of PIC #1

NOTICE OF PUBLIC INFORMATION CENTRE NO. 1 - Schedule 'C' Class Environmental Assessment Wastewater Capacity Improvements in Central Mississauga

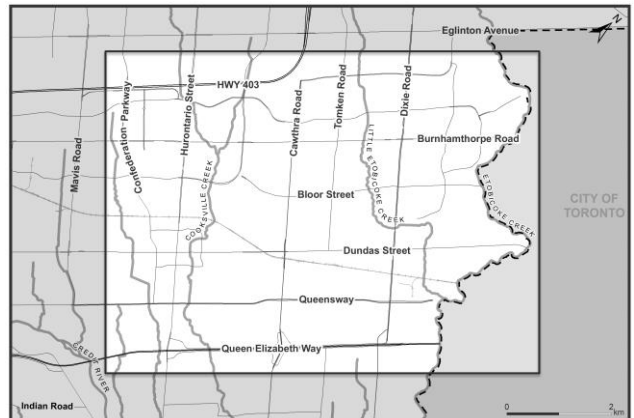
Background:

The Central Mississauga area will experience significant growth over the next 20+ years, specifically within the Mississauga City Centre, Hurontario and Dundas Corridor (see map below). 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. That's why the Region is doing an Environmental Assessment (EA) to study how to expand the capacity of the Central Mississauga Wastewater System.

Process:

The study follows a Schedule 'C' Class EA process, including:

- Public and agency stakeholder meetings
- Looking at ways to improve how wastewater flows through the system
- Investigating alternative long-term servicing strategies, routes and design concepts
- Confirming the preferred solution including alignments, siting, design and construction timing



Your Input is Important:

Two Public Information Centres (PICs) will be held to present the findings of the EA and to provide an opportunity to give feedback to the project team.

PIC No. 1

Date and Time: Tuesday, March 10th, 2020 from 5 p.m. to 7:30 p.m.

Location: Mississauga Valley Community Centre, 1275 Mississauga Valley Blvd, Mississauga, ON, L5A 3R8

PIC No. 1 will outline the background and objectives of the study, list the wastewater servicing alternatives and evaluation approach, present the preliminary preferred solution and ask for public input. Information will be presented on display boards and staff will be available to answer any questions and discuss next steps in the study. PIC No. 2 is planned for fall 2020 and will be finalized and published at a later date.

Contact:

To be added to the mailing list or to receive further information about the project, please contact:

Justin Lee, P.Eng.

Project Manager
10 Peel Centre Dr.
Brampton, ON, L6T 4B9
905-791-7800
justin.lee@peelregion.ca

For more information on the project visit the Region's website at: peelregion.ca/pw/water/environ-assess and select *Mississauga*.

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.

This notice was first issued on February 27, 2020

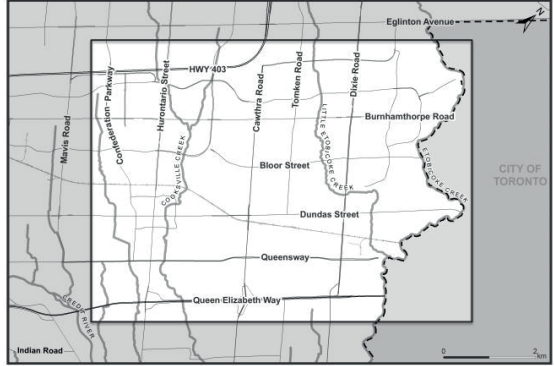
With the exception of personal information, all comments will become part of the public record of the study. The study is being conducted according to the requirements of the Municipal Class Environmental Assessment, which is a planning process approved under Ontario's *Environmental Assessment Act*.

Appendix C - Newsletter Ad

NOTICE OF PUBLIC INFORMATION CENTRE NO. 1 - Schedule 'C' Class Environmental Assessment Wastewater Capacity Improvements in Central Mississauga

Background:

The Central Mississauga area will experience significant growth over the next 20 + years, specifically within the Mississauga City Centre, Hurontario and Dundas Corridor (see map below). 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. That's why the Region is doing an Environmental Assessment (EA) to study how to expand the capacity of the Central Mississauga Wastewater System.



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The study follows a Schedule 'C' Class EA process, including:

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Justin Lee, P.Eng.

Project Manager
10 Peel Centre Dr.
Brampton, ON, L6T 4B9
905-791-7800

justin.lee@peelregion.ca

For more information on the project visit the Region's website at: [peelregion.ca/pw/water/](http://peelregion.ca/pw/water/environ-assess) environ-assess and select Mississauga.

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.

This notice was first issued on February 27, 2020

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Appendix D - Received Comments

Please leave your comments here

Thank You for Participating!

Contact us at any time if you have any questions or comments about the study.

Stay Involved by checking the box below

I would like to receive future updates about this project

Check out our social media   

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,

Justin Lee, P.Eng.
Project Manager

Regional Municipality of Peel
10 Peel Centre Drive, 4th Floor Suite A
Brampton, ON L6T 4B9
905-791-7800
Justin.Lee@peelregion.ca

Please provide your comments in the box below

Was happy to meet. Region of Peel and
to know the problems with the sewer will
be resolved. Very good presentation
Thank you,

Contact Information

First and Last Name: 

Organization (if applicable): _____

Address / E-Mail: 

Date: *March 10, 2017*






Please leave your comments here

Thank You for Participating!

Contact us at any time if you have any questions or comments about the study.

Stay Involved by checking the box below

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Check out our social media   

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Justin Lee, P.Eng.

Project Manager

Regional Municipality of Peel
10 Peel Centre Drive, 4th Floor Suite A
Brampton, ON L6T 4B9
905-791-7800
Justin.Lee@peelregion.ca

Please provide your comments in the box below

PCC 53 - 3175 KIRWIN
CANRIGHT
5160 Explorer Suite 17
Miss. On. L4W 4T7

Contact Information

First and Last Name: [REDACTED]

Organization (if applicable): PCC 53

Address / E-Mail: [REDACTED]

Date: March 10, 2020



*Cooksville Mews**3175 Kirwin Avenue, Mississauga, ON L5A 3M4***PEEL CONDOMINIUM CORPORATION NO. 53
BOARD MEETING****Held on Thursday, October 3 2019 at 6:30 pm
Location: 3175 Kirwin Drive in the Shed****AGENDA**

1. Call to Order
2. Declaration of conflict of interest
3. Review minutes from the meeting held on, July 16, 2019
4. Property Management Report
 - a. Items in Progress
 - b. Items Completed
 - c. New Business
5. Next Meeting Date – *TBD*
6. Adjournment

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: Lee, Justin <Justin.Lee@peelregion.ca>
Sent: Monday, April 13, 2020 2:19 PM
To: Sandra Anastasio - GM BluePlan; Chris Campbell - GM BluePlan
Subject: FW: Wastewater Capacity Improvements in Central Mississauga - MHSTCI Comments
Attachments: 2019-03-26_WWcntrMississauga_MHSTCIcomments.pdf

[REDACTED]

[REDACTED]

[REDACTED]

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: 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

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*.