

A background graphic featuring a network of interconnected nodes and lines. The top half is dark gray with dark gray nodes and lines. The bottom half is a solid blue band with light blue nodes and lines. The text is centered in the upper half.

MOVING WATER FORWARD

CONNECTING MORE PEOPLE TO MORE POSSIBILITIES

Bemis Park Elevated Tank Environmental Assessment

Virtual Public Information Centre No. 1

Project Introduction

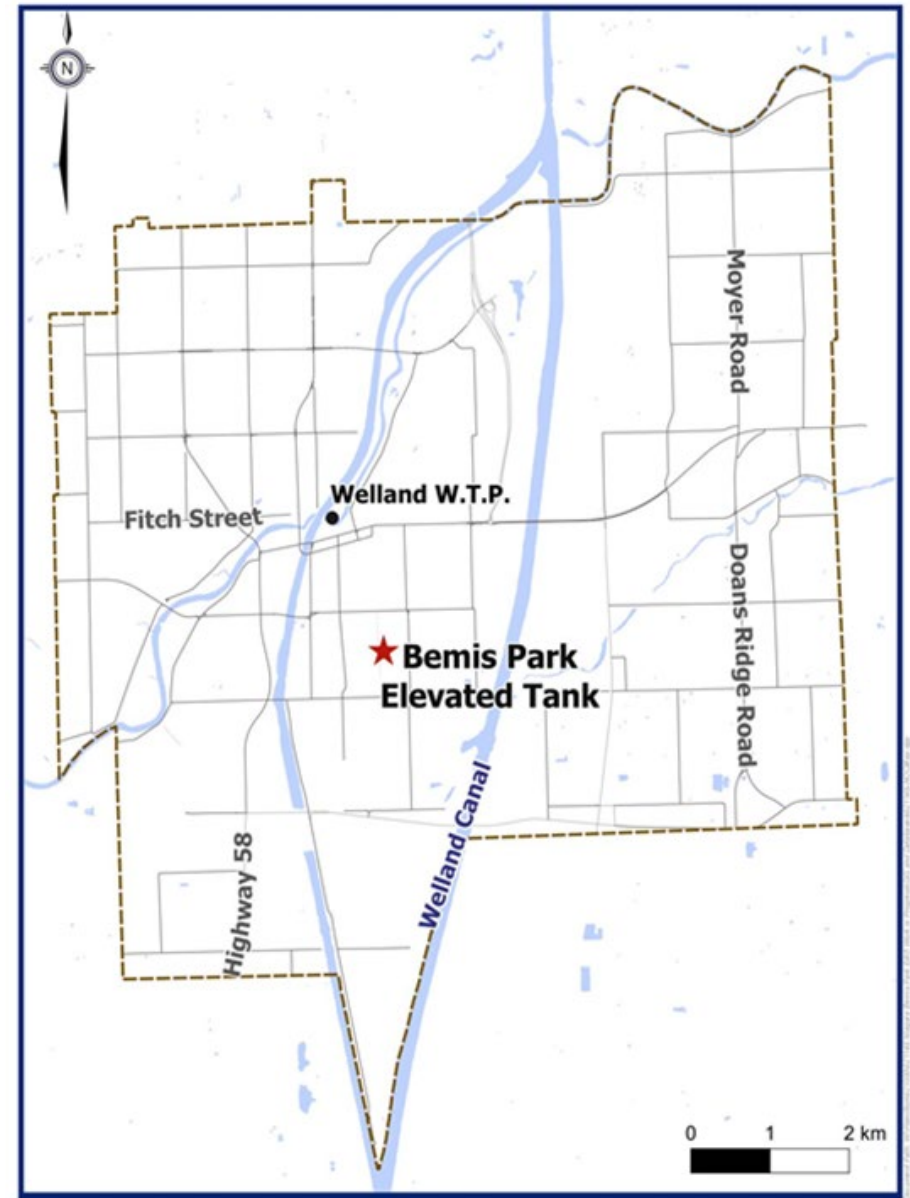
The Niagara Region is undertaking the Bemis Park Elevated Tank Environmental Assessment (EA) to determine a preferred solution for meeting water storage requirements to efficiently operate the Welland water distribution system.

This Schedule 'B' Municipal Class Environmental Assessment was triggered by recommendations from the Region's 2016 Master Servicing Plan. A new elevated tank is proposed following the decommissioning of the Bemis Park elevated tank, to meet storage and pumping demands and optimize operations.



Project Study Area

Niagara Region is situated on treaty land. This land is steeped in the rich history of the First Nations such as the Hatiwendaronk, the Haudenosaunee, and the Anishinaabe, including the Mississaugas of the Credit First Nation. There are many First Nations, Métis, and Inuit peoples from across Turtle Island that live and work in Niagara today. The Regional Municipality of Niagara stands with all Indigenous peoples, past and present, in promoting the wise stewardship of the lands on which we live.



Virtual Public Information Centre No. 1

Timeline

June 8th, 2023:

Project information, project overview video, and transcript posted

June 8th to July 13th, 2023:

Fill in the online survey and submit questions or comments related to the PIC No.1 materials to Niagara Region. Response to questions will be posted to the Region's website after this period.



Present the Public and Stakeholders with an opportunity to learn about Niagara Region's Bemis Park Elevated Tank Environmental Assessment (EA).



Outline the Bemis Park Elevated Tank EA project schedule and what steps are being taken to support the decision-making process.



Answer any questions you may have about the Project process or potential outcomes.



Obtain your feedback on the Bemis Park Elevated Tank EA long list of alternatives and which evaluation criteria are most important to you.

How Your Water System Works

Supply and Treatment

The City of Welland water system is supplied by water from the Welland Canal. The Region monitors and treats this water before supplying it to the City of Welland.

Pumping Stations

Regional pumping stations help to regulate the water system's pressures and flows.

Storage

Regional water storage is used to help maintain pressures and provide water during peak usage times and emergencies.

Watermains

The local municipalities and Region have a network of underground watermains that deliver water to residences, businesses, and fire hydrants.

**MOVING
WATER
FORWARD**

CONNECTING MORE PEOPLE TO MORE POSSIBILITIES

Niagara  Region

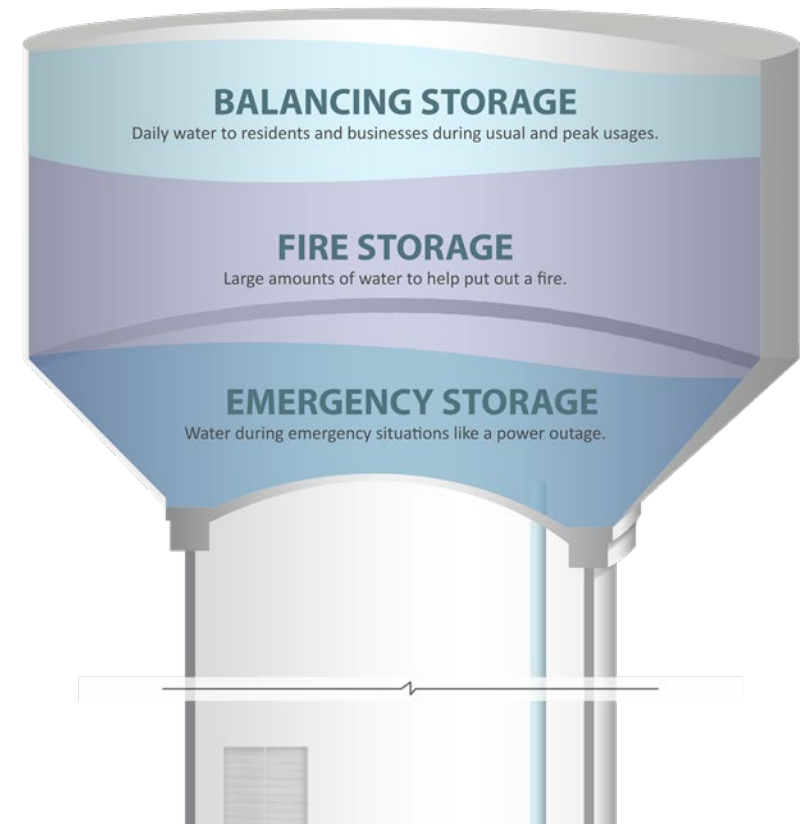
Water Towers Are Important For Our Water System

Water towers use gravity to provide water to your community as you need it.

Water levels in tanks go up and down during the day. This allows the water system to:

- Maintain constant pressure in your home
- Respond quickly to fires and emergency situations
- Maintain good water quality

Water stored within a water tower has three important purposes

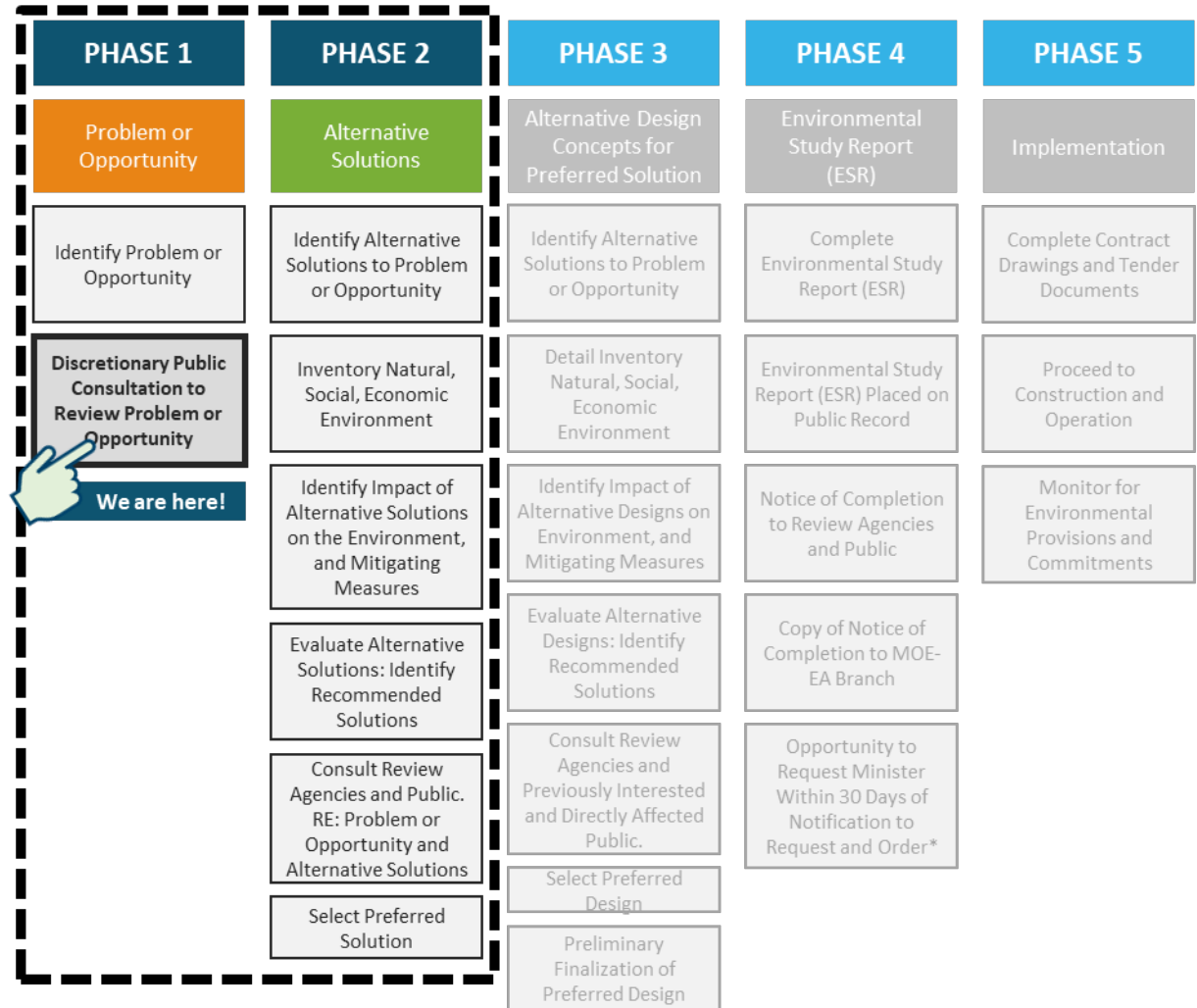


The Municipal Class Environmental Assessment Process

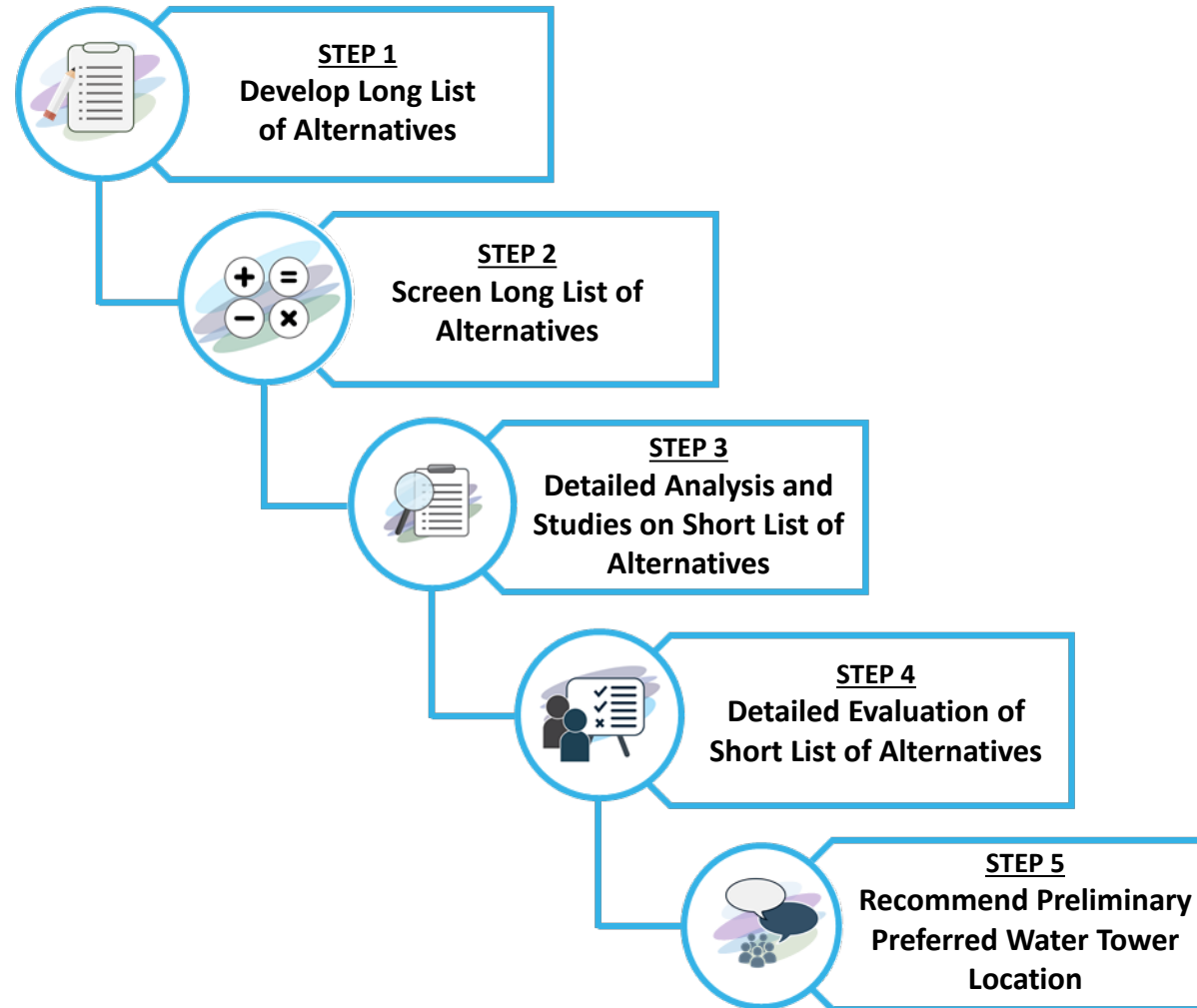
This study being completed as a Schedule 'B' Class Environmental Assessment, satisfying Phases 1 and 2 of the Municipal Engineers Association (MEA) Class Environmental Assessment process. This is a decision-making process that all Ontario municipalities follow for rehabilitating and building new infrastructure.

Problem and Opportunity Statement

“Identify and develop a preferred solution for meeting storage and pumping requirement needs to efficiently operate the Welland Water Distribution System”



Project Road Map



Locating a New Water Tower

Technical

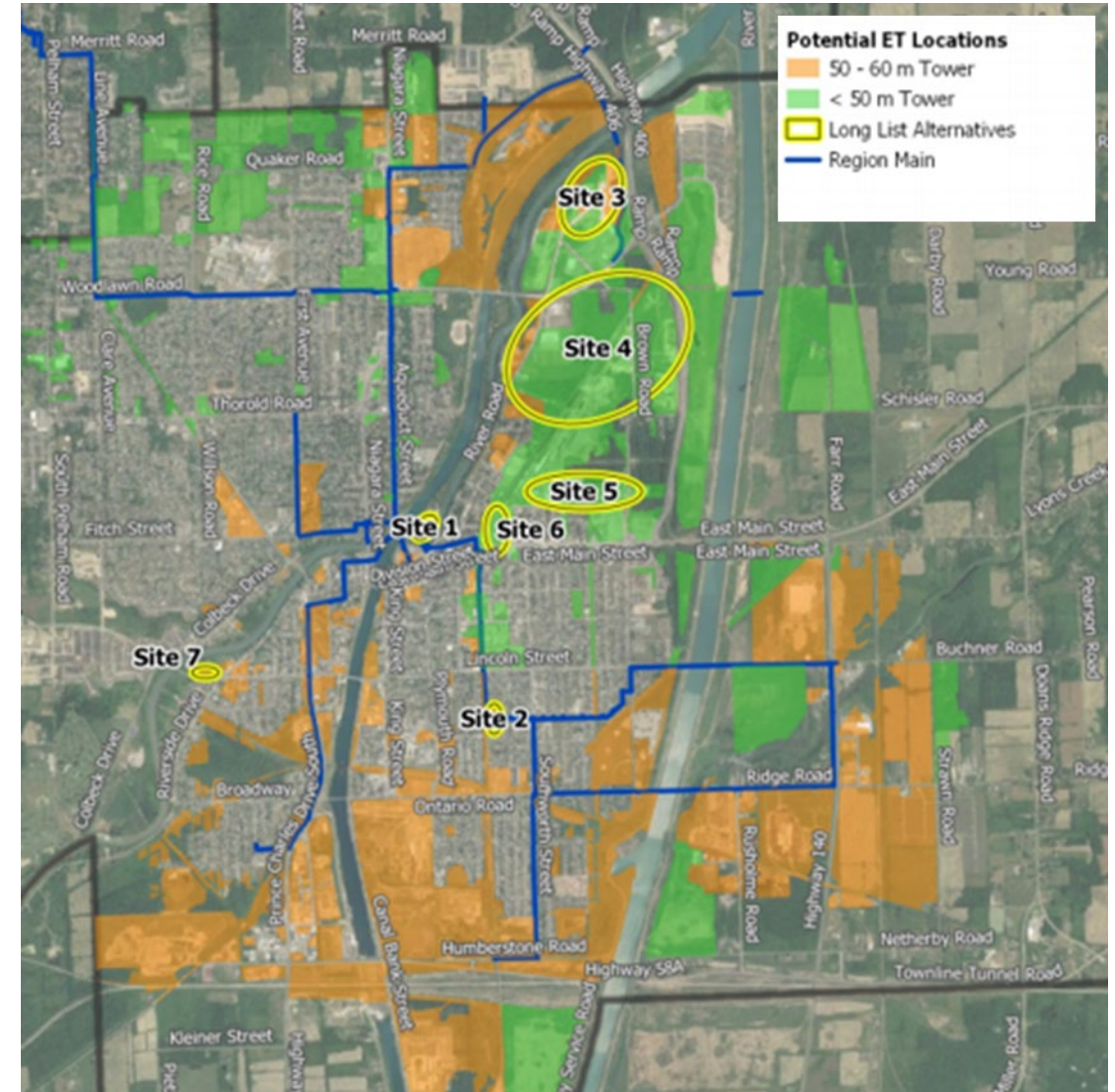
- Appropriate size of the property
- Ground elevations
- Close to existing watermains

Environmental

- Avoid environmental features

Land Use

- Current land use of site
- Minimize shadows cast



Site 1



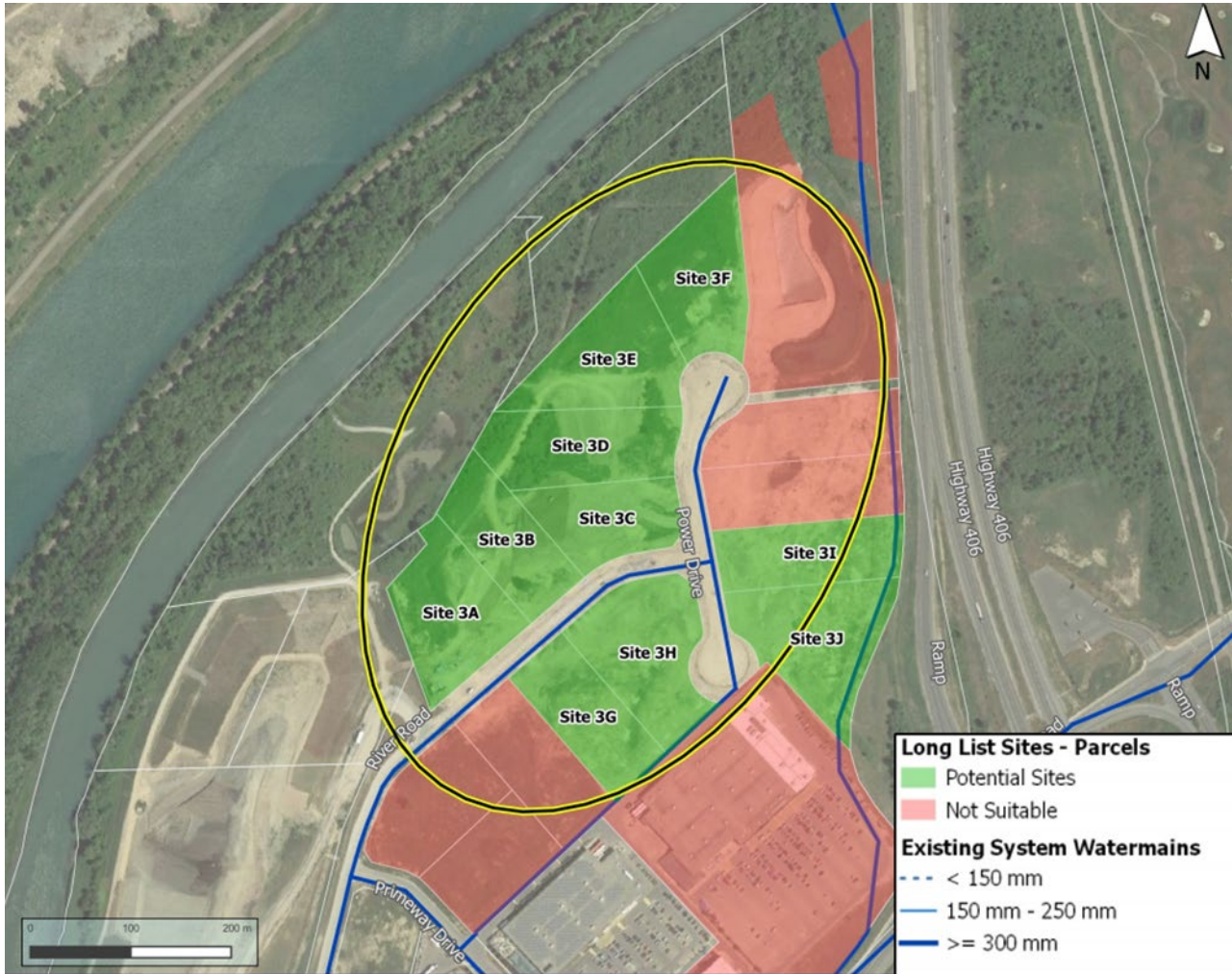
- Within the City of Welland, north of East Main Street
- Currently utilized as the City's Water Treatment Plant (WTP) and is already developed
- Construction would require the new WTP on the land adjacent to the existing plant
- ET would be constructed in place of the old WTP

Site 2



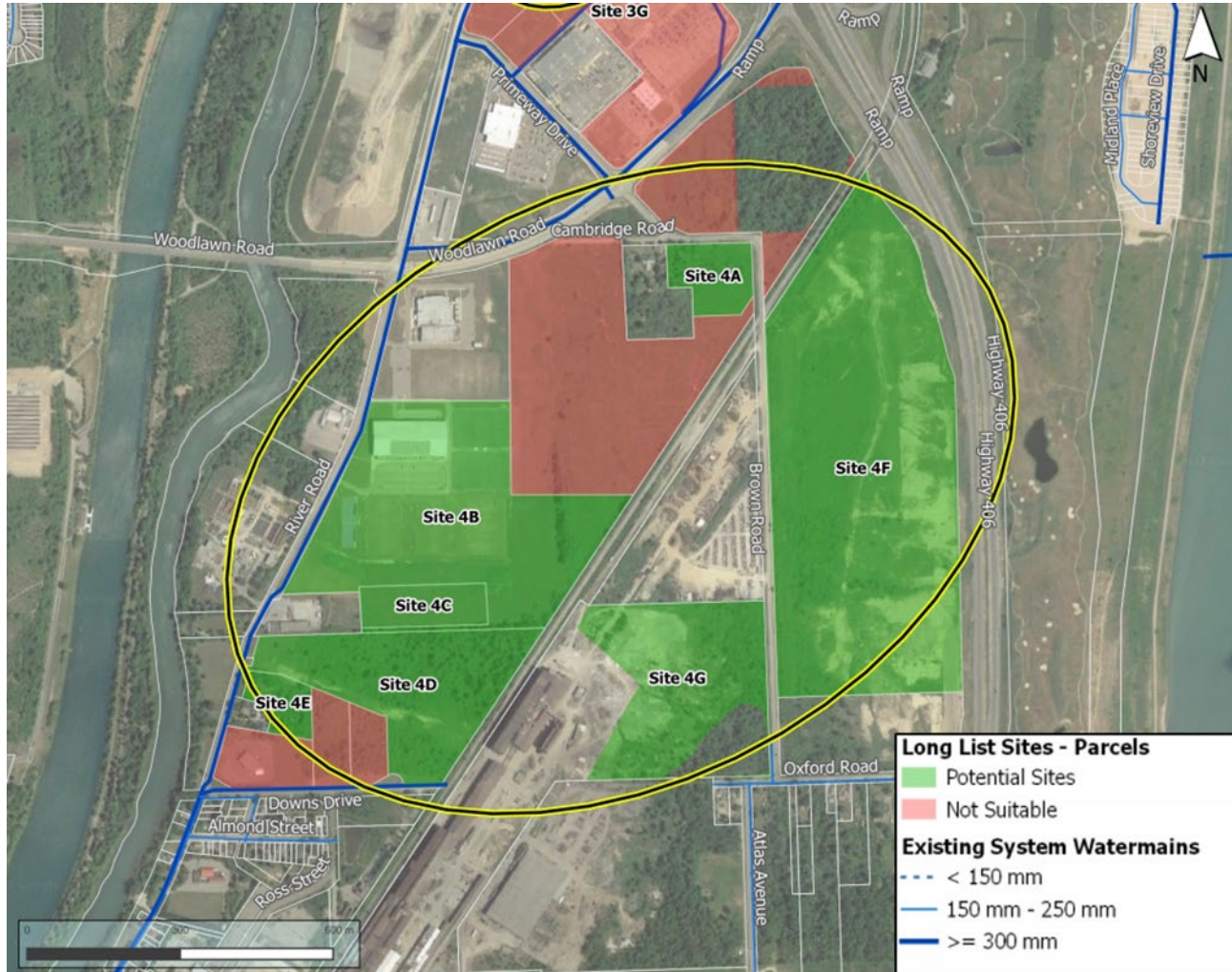
- City of Welland , south of East Main Street
- Existing Bemis ET site and its' park lands
- Construction would require the new ET to be build on adjacent park lands
- Existing ET would remain in service until the new ET is commissioned and online

Site 3



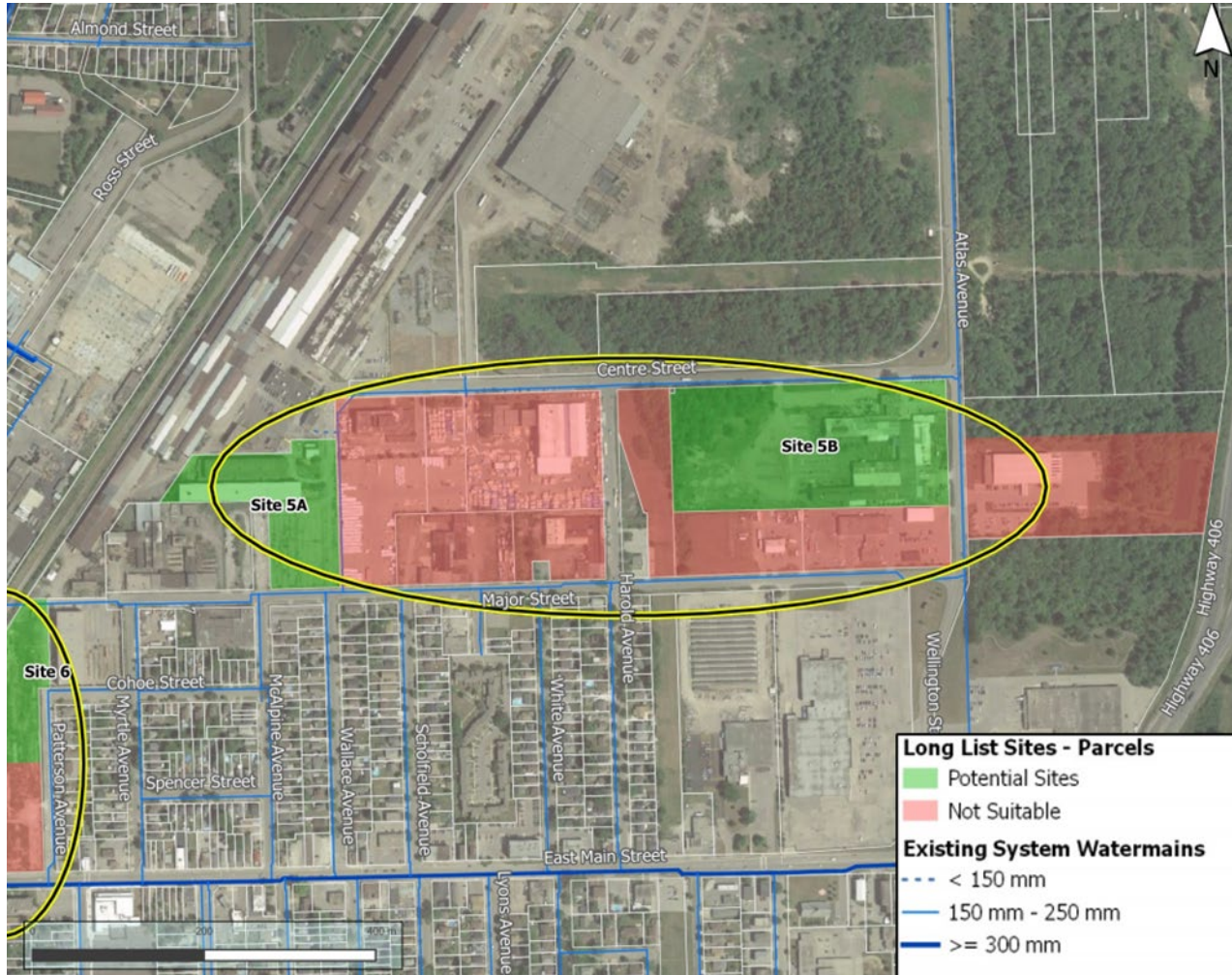
- City of Welland, west of Highway 406 and north of Woodlawn Road
- Property is a mix of vacant commercial lands with some parcels under development
- No residential properties

Site 4



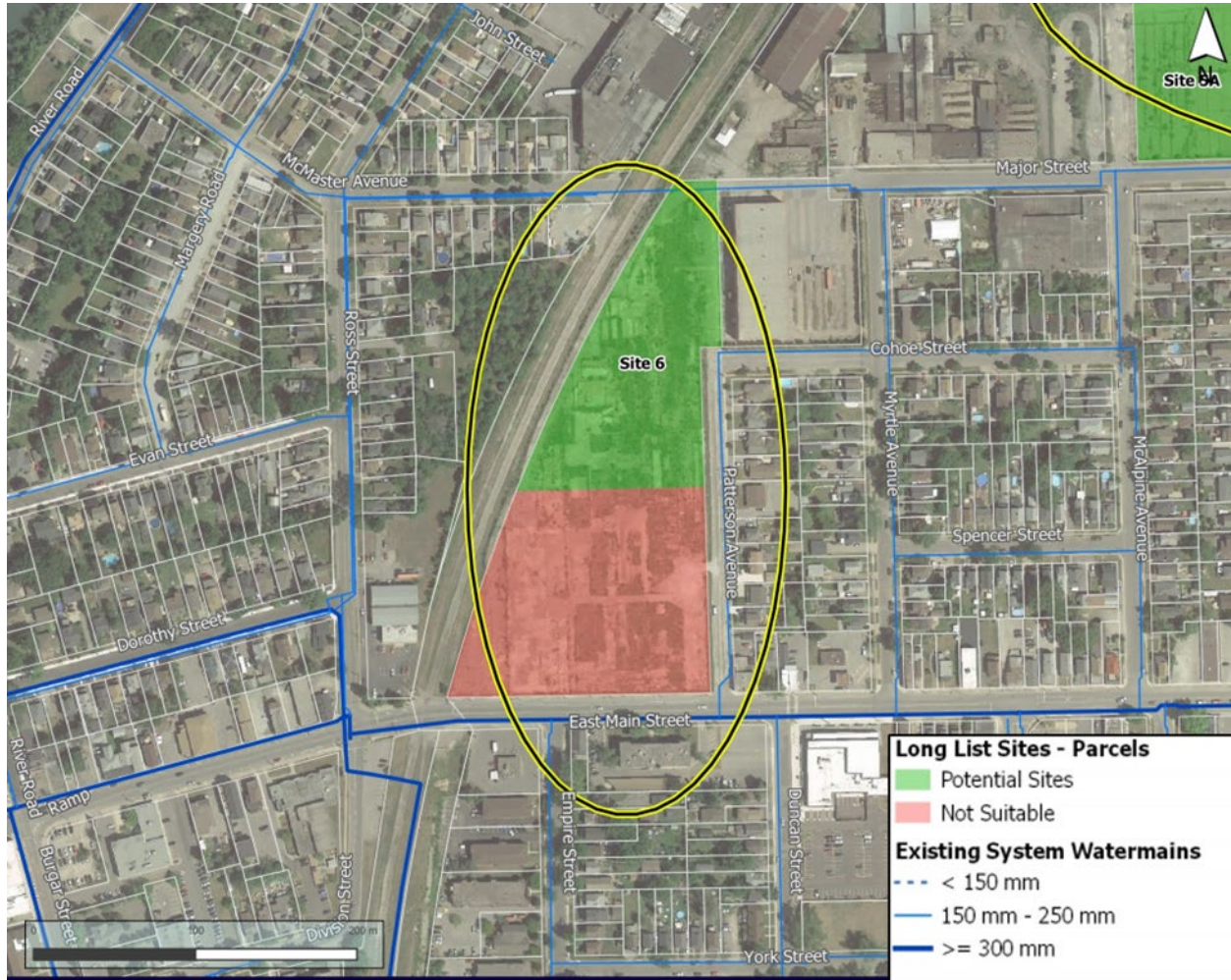
- Located within the City of Welland, west of Highway 406 and north of Oxford Road
- Property is currently vacant commercial lands

Site 5



- Located within City of Welland, west of Highway 406 and north of East Main Street
- Property is a mix of commercial and industrial land uses

Site 6



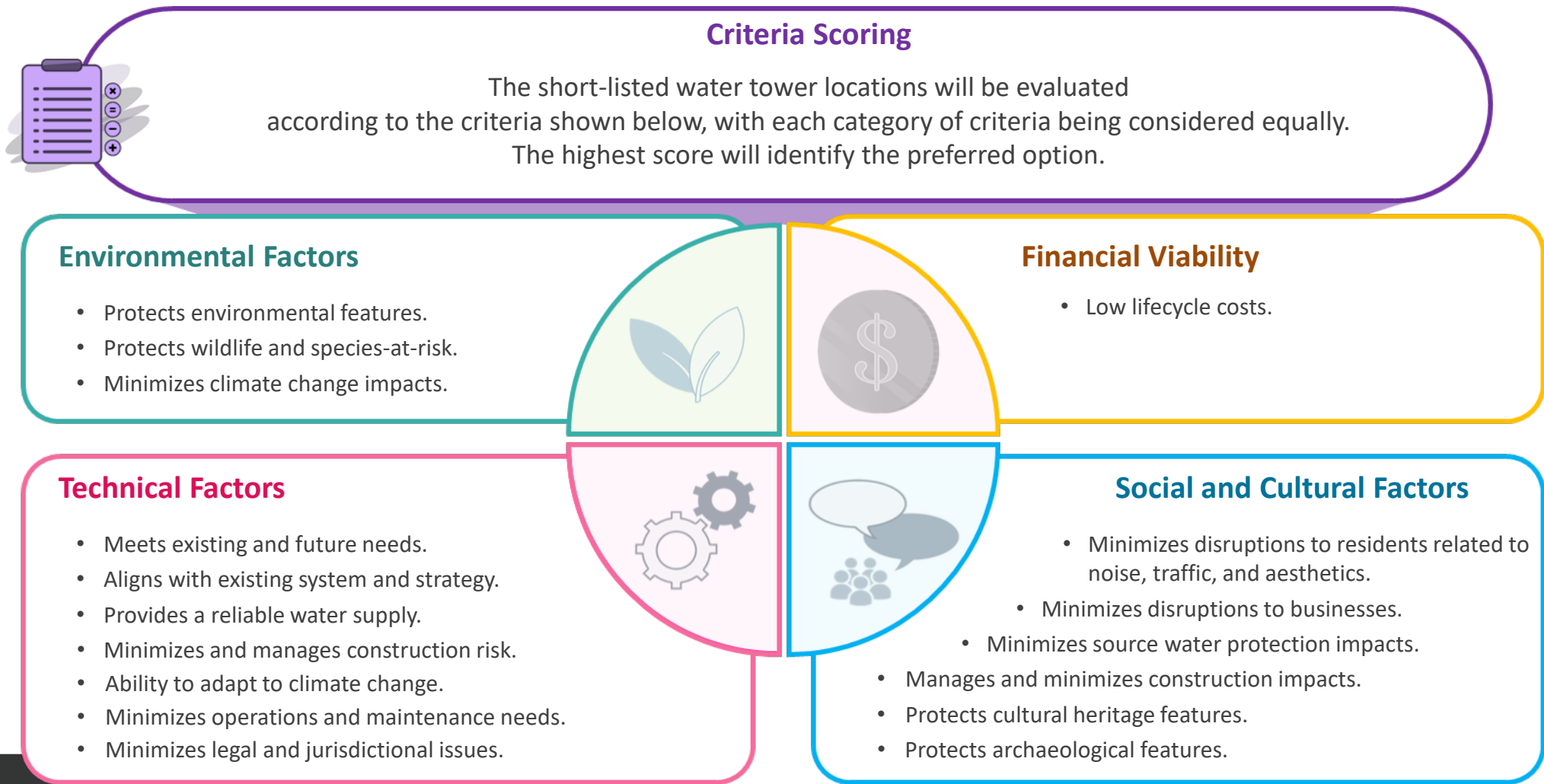
- Located within City of Welland, south of Major Street
- Southern part of the site has been developed to have the City of Welland fire hall
- Northern portion remains as vacant industrial land
- Adjacent to the site is an existing railway

Site 7



- Located within the City of Welland, northwest of Webber Road and Riverside Drive
- Property is Regional owned
- There is an existing sanitary sewer running through the site
- The northern portion of the site is conservation land, which has been screened out

Evaluation Criteria



Project Schedule

Environmental Assessment
2022 - 2023

Design
2023 - 2024

Construction
2025 - 2028

2022
**Problem and
Opportunity**

Project Notice of
Commencement

Background Information
Review

2022-2023
**Identify Alternative
Solutions**

Public Information Centre #1

Screening of Water Tower
Locations to Develop a Short List

Site Visits and Investigations

2023
**Evaluate Alternative
Solutions**

Evaluate short list of water
tower locations

2023
**Select Preferred
Solutions**

Public Consultation Centre #2

30 Day Public Review

**MOVING
WATER
FORWARD**

CONNECTING MORE PEOPLE TO MORE POSSIBILITIES

Niagara Region

Get Involved!

Public feedback is important. Sign-up to be added to the study contact list and submit any questions or comments to the Project Team. You may also submit comments, including feedback on the long list of alternatives and the evaluation criteria most important.

Gordon Bell, Senior Project Manager, Niagara Region at Gordon.Bell@niagararegion.ca
Amanda Beattie, Project Manager, GM BluePlan Engineering Limited at Amanda.Beattie@gmblueplan.ca

Provide Feedback!

We encourage you to provide feedback by filling out the online survey by July 13th, 2023 to provide any feedback on the study and/or if you would like to receive project information updates. Responses to all comments received will be posted following the closing of the comment period.