

Lower Base Line Wastewater Pumping Station and Associated Forcemains Class EA Study

Regional Road 25 to Fourth Line
Towns of Milton and Oakville

Public Information Centre
November 13 to December 15, 2025



Live.
Grow.
Thrive.

Public Information Centre (PIC) Objectives

The purpose of this Public Information Centre (PIC) is to present and receive input on the work completed to date on the **Lower Base Line Wastewater Pumping Station and Associated Forcemains Schedule B Class EA** including:

- Study Process and Schedule
- Background Information and Existing Conditions
- Problem and Opportunities
- Alternative Solutions and Evaluation
- Preliminary Preferred Alternative
- Next Steps and How To Provide Feedback

We value your input! Your input will help to shape the decision-making process for this project.

How to get involved

Watch the PIC video and/or review the presentation slides.

Provide comments and feedback through our online survey on the [project webpage on halton.ca](#) by **December 15, 2025.**

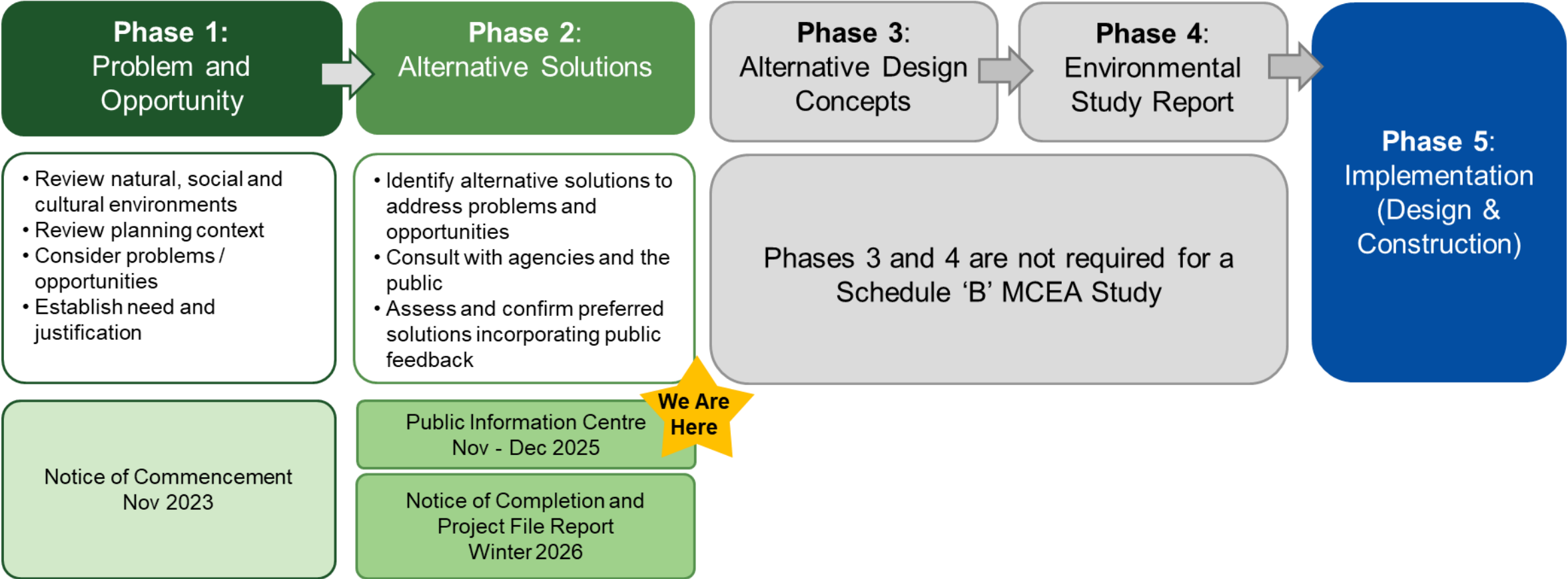
Email the Region's Project Manager, Graham Giles at Graham.Giles@halton.ca to join the study mailing list or provide feedback in an alternate format.

Note: this is the only PIC for this study.

Study Process and Schedule

The **Lower Base Line Wastewater Pumping Station and Associated Forcemains Study** follows a planning and approval process for municipal infrastructure per Ontario’s *Environmental Assessment Act*.

This study has been identified as a Schedule ‘B’ project and will satisfy Phases 1 and 2 of the Municipal Class Environmental Assessment (MCEA) process.

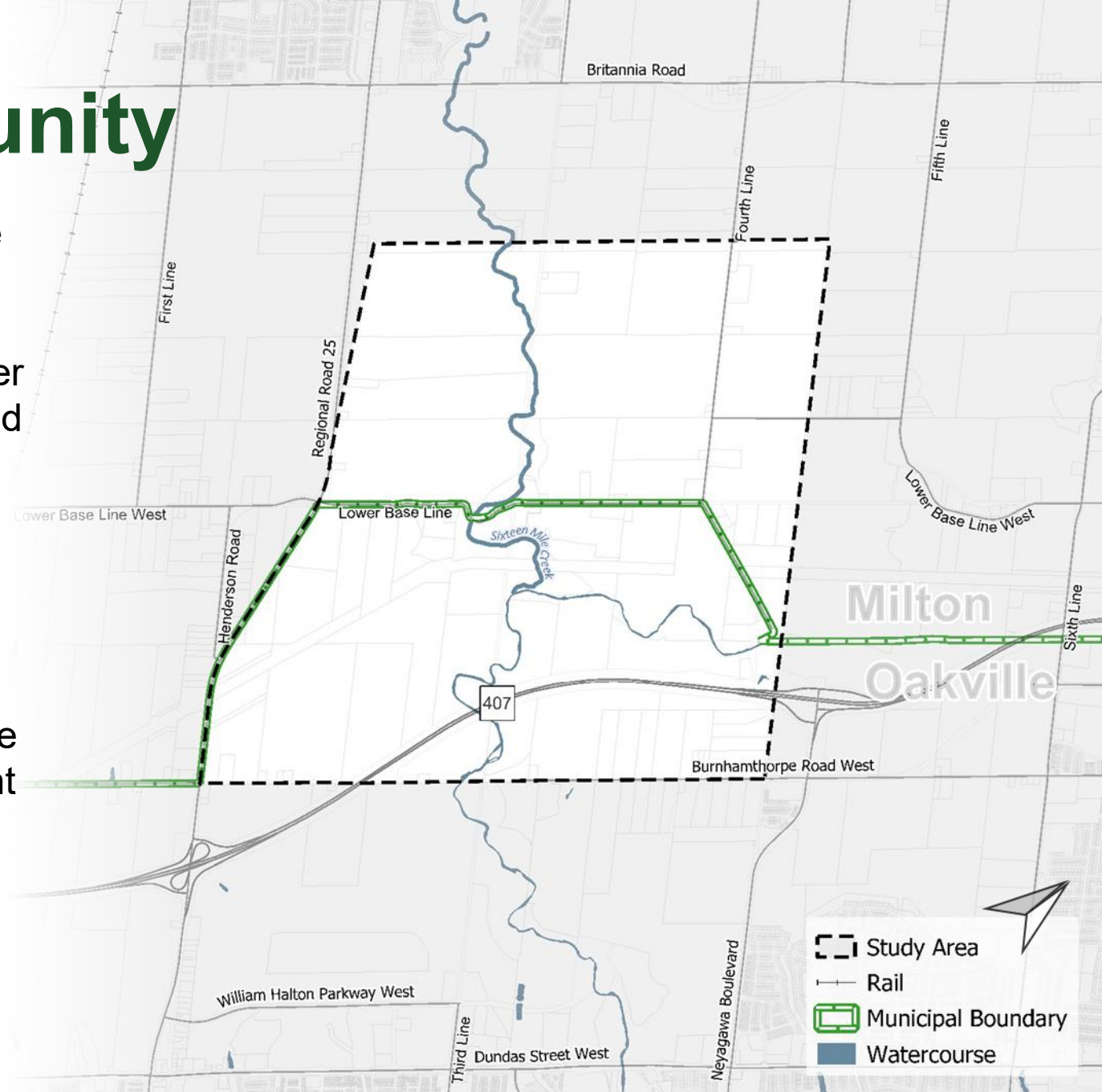


Problem and Opportunity

Halton Region is undertaking the Lower Base Line Wastewater Pumping Station and Associated Force mains 'Schedule B' Class EA. This project was identified in the 2011 Sustainable Halton Water and Wastewater Master Plan to support growth and provide reliable wastewater services for new homes and businesses in Milton and Halton Hills.

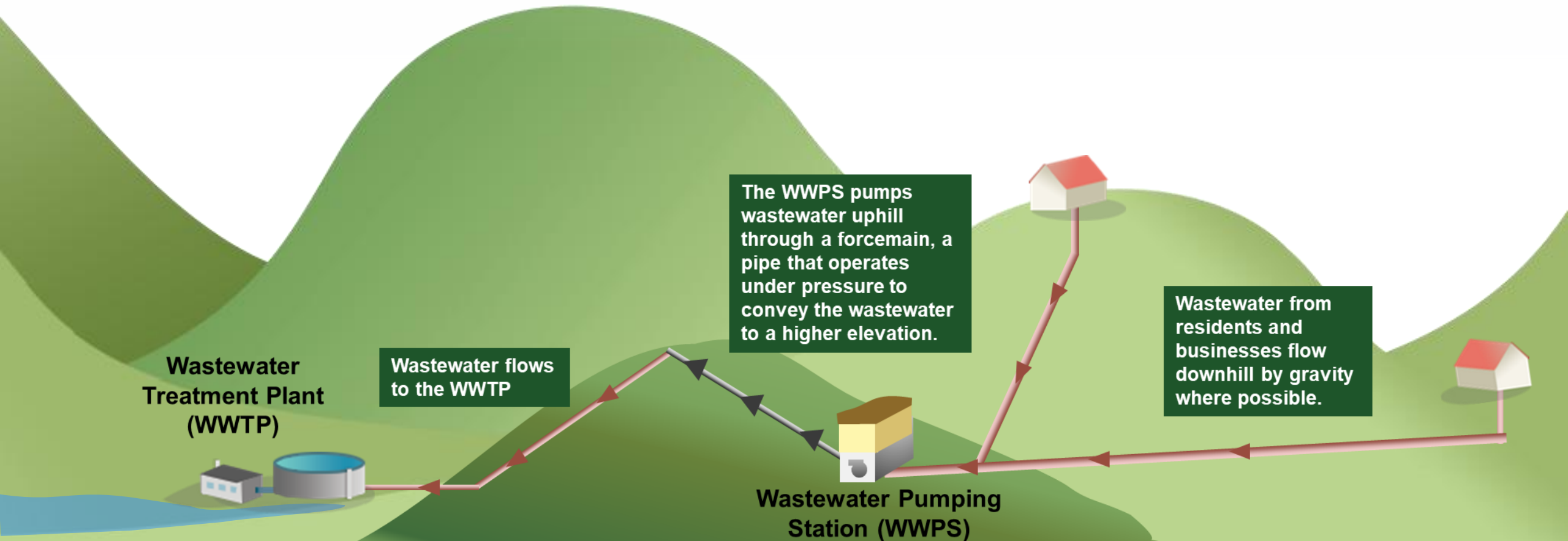
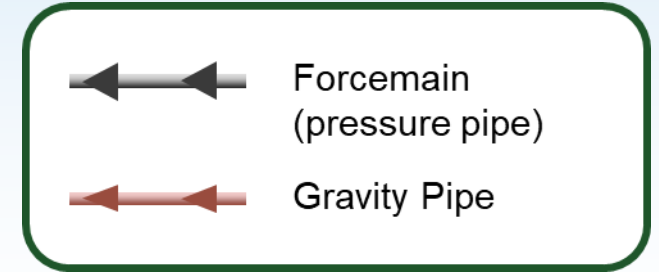
The study will:

- Identify the preferred location for the Lower Base Line Wastewater Pumping Station and alignment for the associated linear infrastructure (pipes);
- Consider technical feasibility, environmental impacts, social and cultural-heritage impacts, property and regulatory requirements, and financial implications.

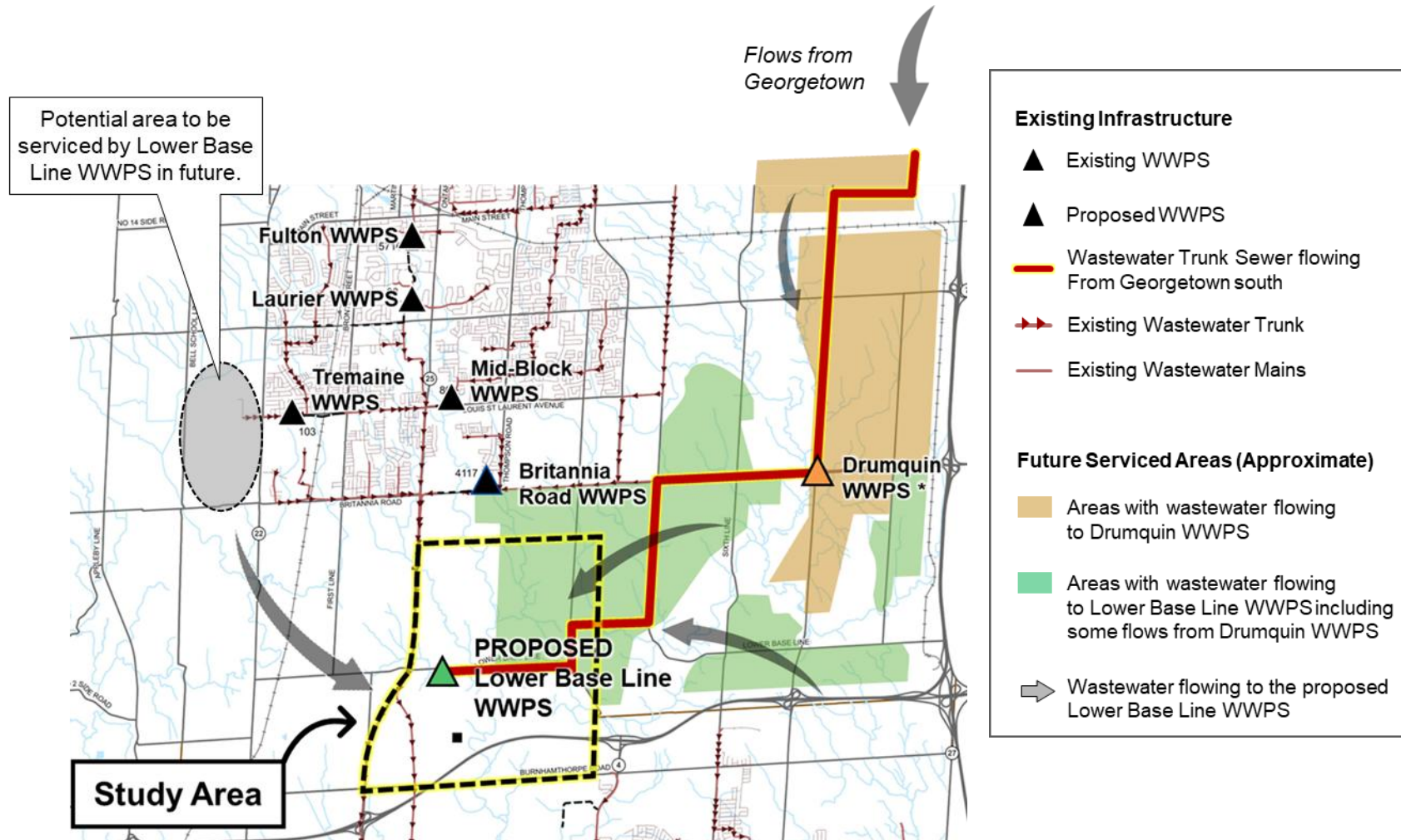


Sanitary Servicing

How does Wastewater get from your home or business to the Treatment Plant?



Background and Considerations



Key Considerations for the Project

- Provide wastewater servicing to allow for future growth.
- Optimizing operation of the wastewater system by balancing flows between the new Lower Base Line station and existing stations.
- Protection of the environment and community, particularly considering the proposed linear infrastructure crossing Sixteen Mile Creek.
- Minimize impacts on private property and prime agricultural lands.

Background Studies

As part of this Class EA, several background studies were undertaken to understand constraints within the study area and support the evaluation of alternatives.

The studies included:

- **Natural Environment Study** to identify environmentally sensitive areas and potential species at risk.
- **Stage 1 Archaeological Assessment (AA)** to screen for areas of potential archaeological significance.
- **Cultural Heritage Screening** to confirm if there are any known cultural heritage features that could be impacted by the project.
- **Agricultural Screening and Impact Assessment** to identify potential impacts on agricultural land within the study area.
- **Desktop Hydrogeological and Geotechnical Reviews** to identify site conditions that could impact the construction of the infrastructure.

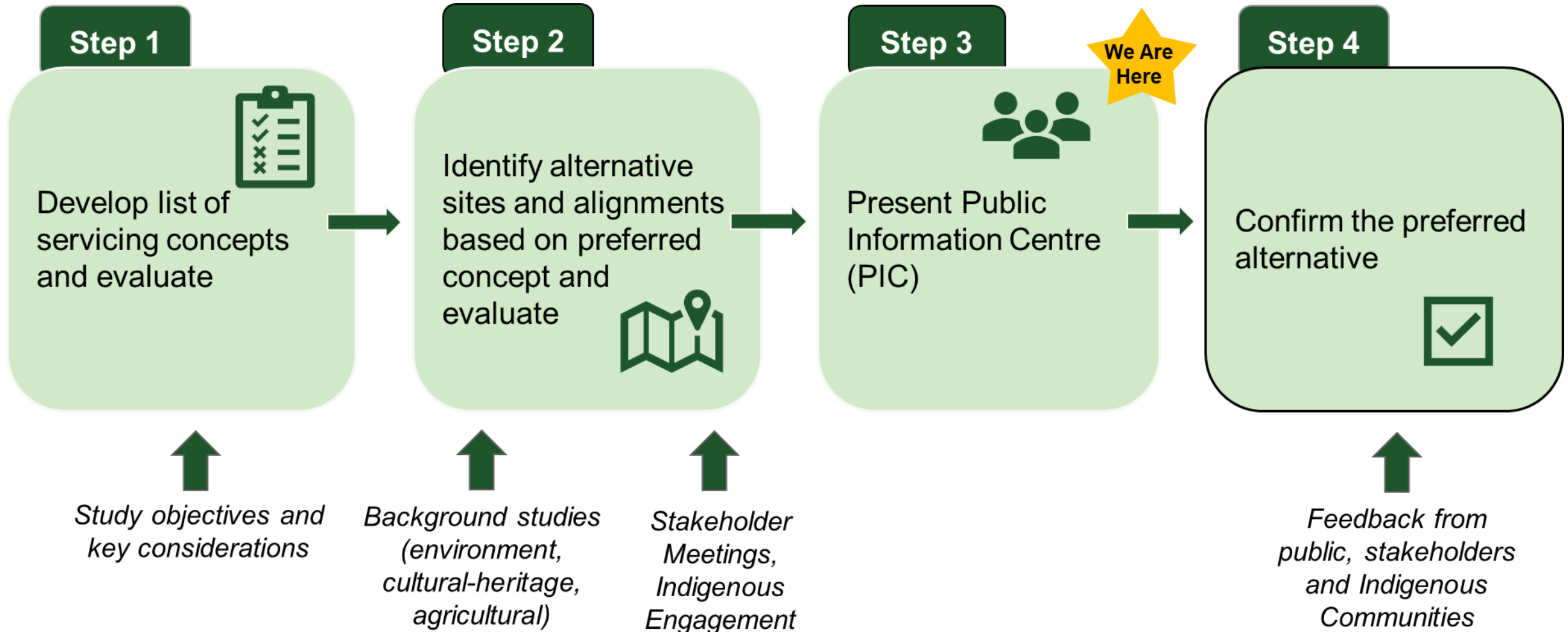


Sixteen Mile Creek and Greenbelt Lands



Known Built Heritage Resources (Residences)

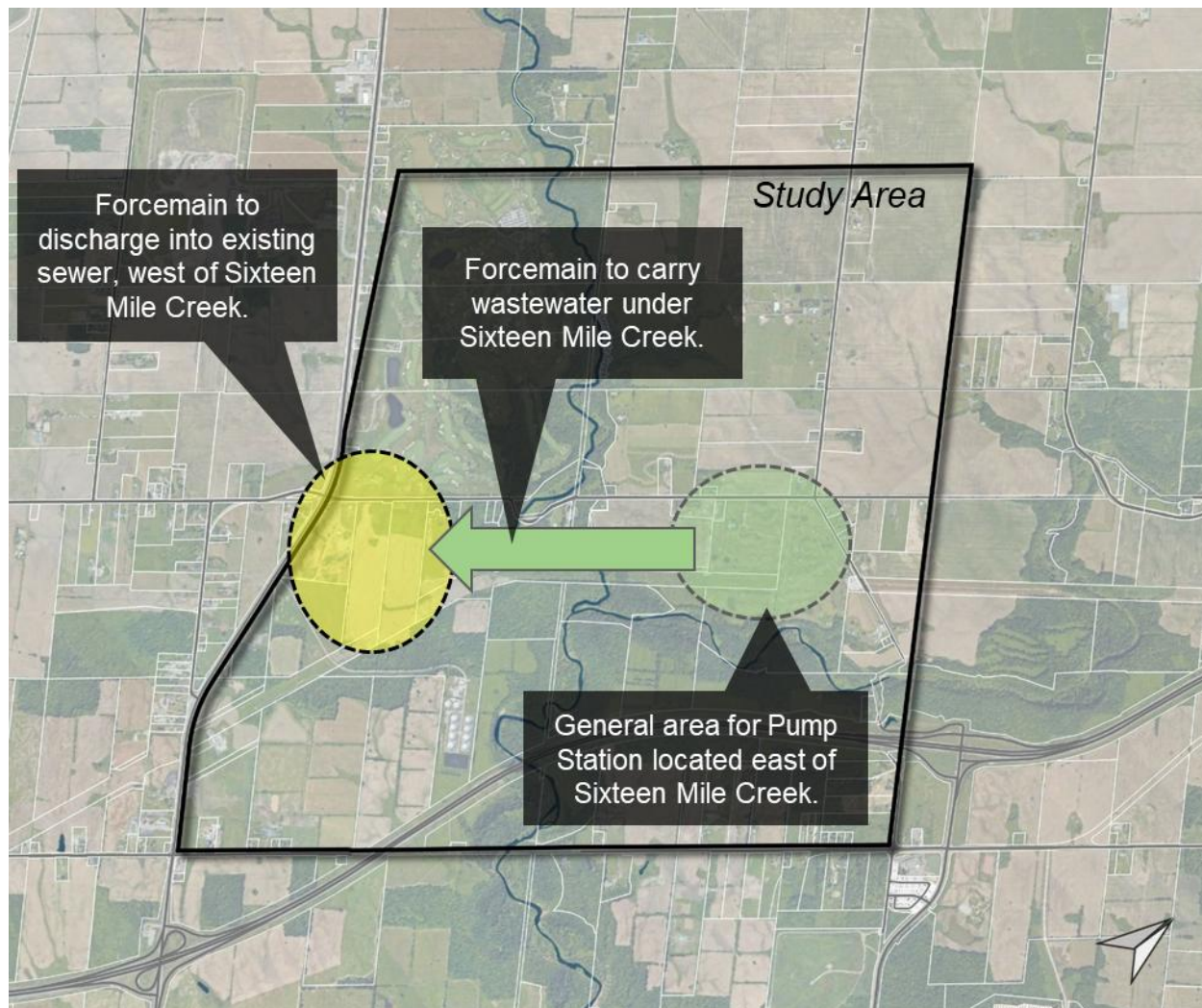
Evaluation Process



Concept Development

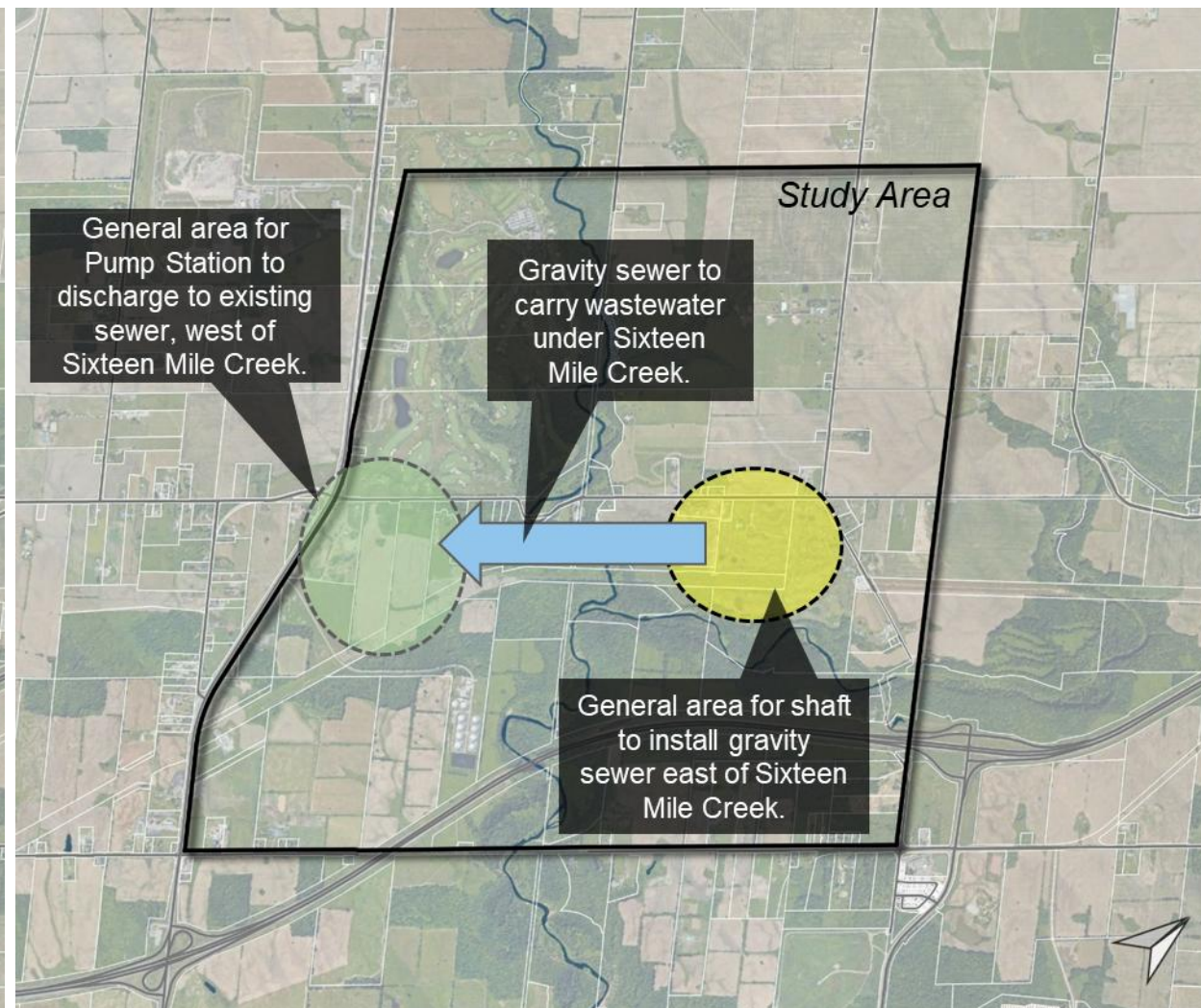
Concept 1:

Wastewater Pumping Station (WWPS) located East of Sixteen Mile Creek with forcemains under Creek



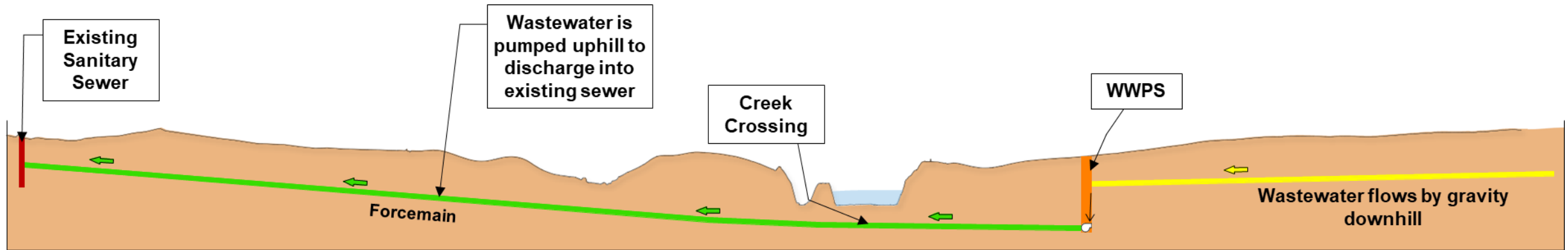
Concept 2:

Deep Gravity Sewer under Sixteen Mile Creek with WWPS located west of Creek

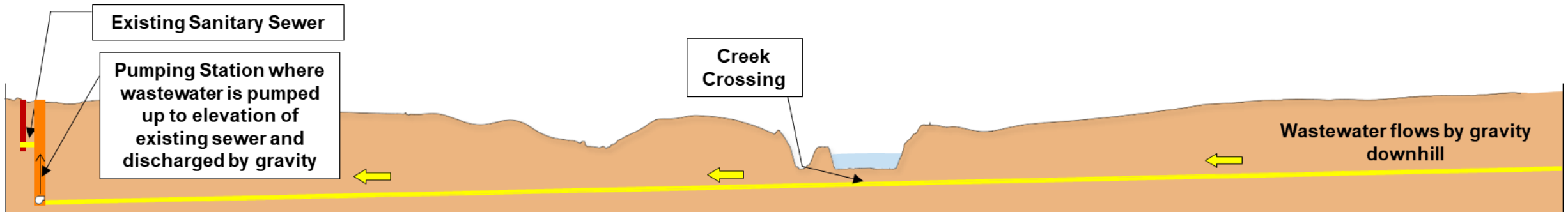


Concept Development

Concept 1: Wastewater Pumping Station (WWPS) located East of Sixteen Mile Creek with forcemains under Creek



Concept 2: Deep Gravity Sewer under Sixteen Mile Creek with WWPS located west of Creek



The Pump Station is estimated to be between 35 to 50 m deep depending on the selected option. The depth of the infrastructure will be confirmed during detailed design.

Concept Evaluation

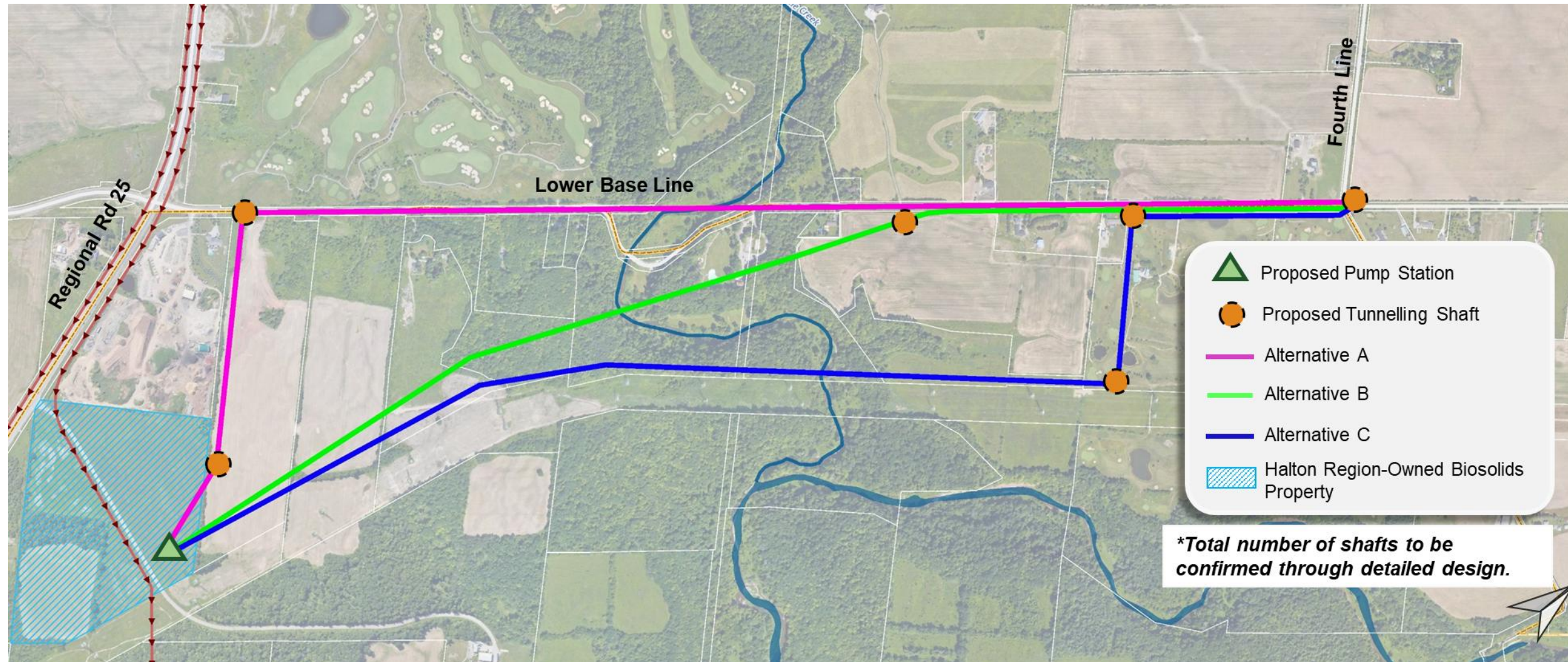
Criteria	Concept 1 – WWPS & Force mains	Concept 2 – Deep Gravity Sewer & Pumping Station
Ability to perform during periods of high wastewater flow	—	✓
Access to Utilities	✗	✓
Energy Consumption	✗	—
Ability to Accommodate Increases in Flow Over Time	✗	✓
Operations & Maintenance Complexity	✗	—
Potential Environmental Impacts / Approval Requirements	—	✓
Land Availability	—	✓
Capital Cost	—	✓
Results	Less Preferred	Preferred

- ✗ Negative Impacts
- Moderate Impacts
- ✓ Positive or no Impacts



Concept 2 has lower environmental and social impacts, is easier to construct and operate, and is a more cost-effective solution.

Pumping Station Location and Alternative Gravity Sewer Alignments



Detailed Evaluation Criteria

Technical	Environmental	Social and Cultural	Regulatory	Financial
• Compatibility with future infrastructure • Operations, maintenance and constructability • Depth and number of shafts required for tunnelling • Hydraulics • Geotechnical and hydrogeological requirements	• Construction impacts to species at risk, habitat lands and surface water features • Impact to Conservation Authority regulated areas • Impacts to ground water and source water protection areas • Impact to other protected environmental features	• Impacts to First Nations' inherent and treaty rights • Potential for odours near sensitive receptors • Impacts to agricultural lands • Archaeological and cultural heritage potential at shaft locations • Noise and dust impacts from construction • Road closures	• Complexity of required property acquisitions • Required approvals/permits • Need for additional detailed studies • Excess soils management requirements	• Capital costs • Property acquisition costs • Operation and maintenance costs

Detailed Evaluation of Alternatives

✖

Negative Impacts

—

Moderate Impacts

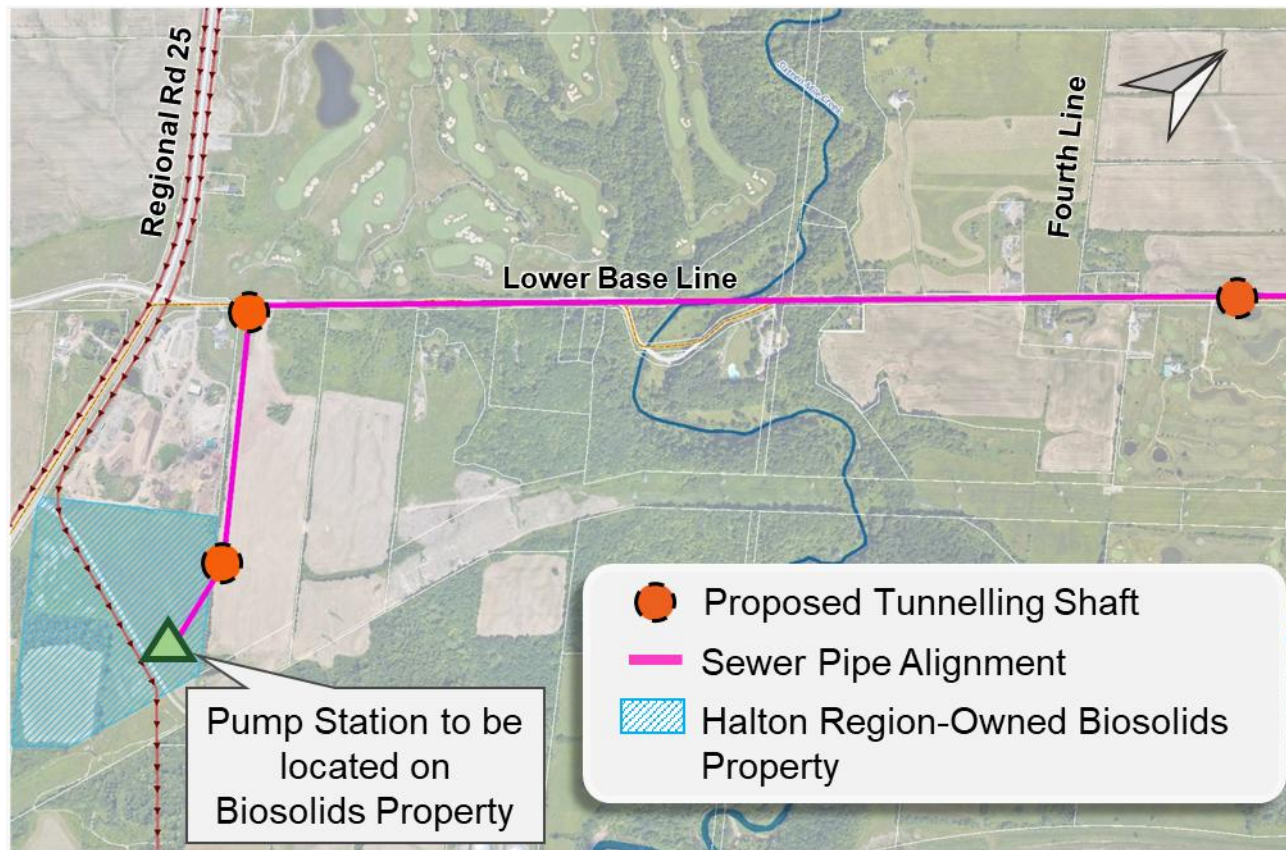
✓

Positive or no Impacts

Criteria	Alternative A Lower Base Line	Alternative B Lower Base Line and Private Property Easements	Alternative C Golf Course and Hydro Corridor
Technical	✓	—	✖
Environmental	—	—	✖
Social	✓	✓	—
Legal / Jurisdictional	✓	✖	✖
Financial	—	✓	✖
RESULTS	Minimizes environmental and social impacts, is easier to construct and operate, and efficiently uses Region-owned land.	Impacts more private properties, more challenging to construct	Impacts more private properties, greater social impact to existing land use, highest capital cost
RANKING	1	2	3

Preliminary Preferred Alternative

- The preliminary preferred solution is Alternative A with a sewer primarily along Lower Base Line and the WWPS located on Region-owned land at the Biosolids property.
- Exact location of the station and number of shafts will be determined through detailed design.



Key Benefits

Technical

- Majority of shafts located within public right-of-way for easier inspection and maintenance
- Deep sewer provides storage capacity and flood protection

Environmental

- Shaft locations will limit impacts to naturally sensitive areas

Social

- Avoids impacts to built cultural heritage features
- Pumping Station is located away from residential properties

Legal / Jurisdictional

- Reduced impacts on private property

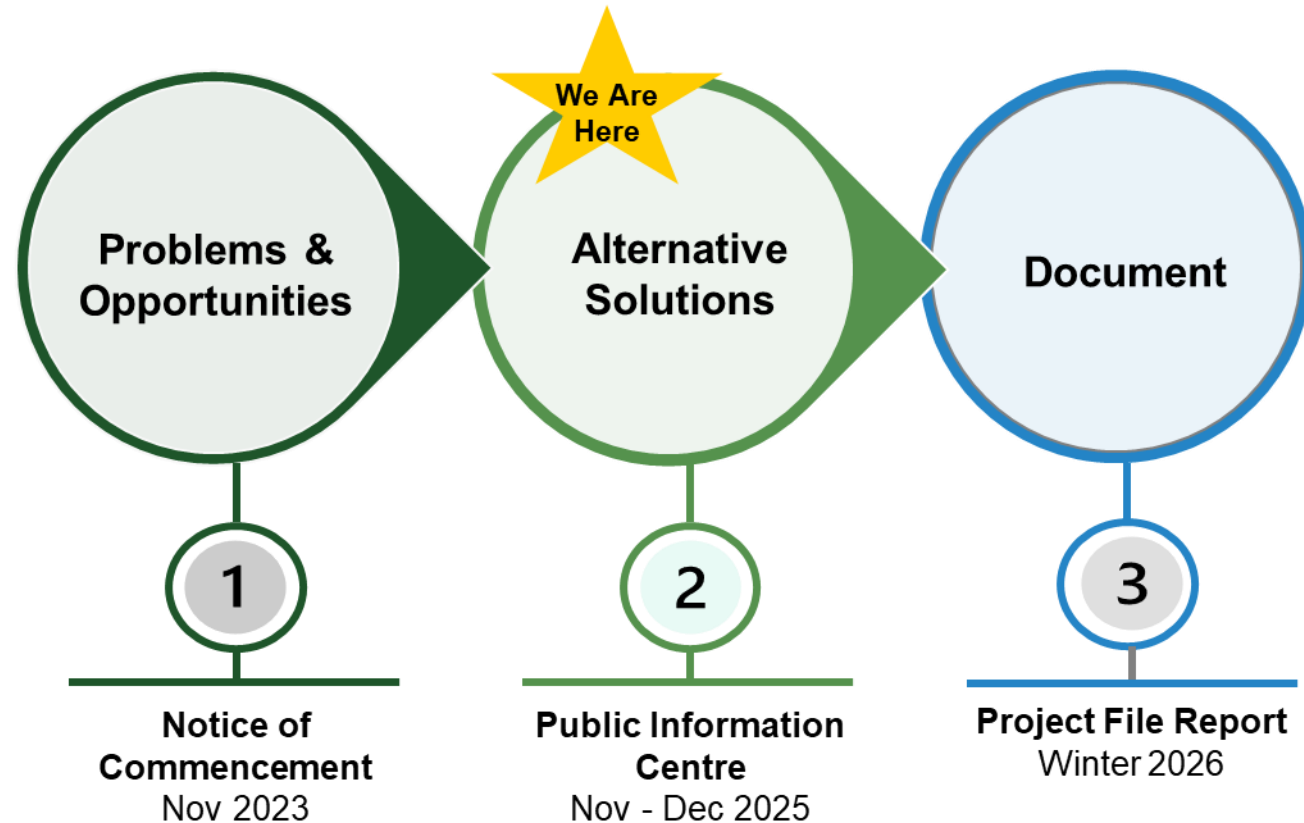
Financial

- Best use of available Region-owned land

Next Steps in the MCEA Study

Following this Public Information Centre, the Project Team will:

- Review and consider feedback from agencies, stakeholders and the public.
- Continue engagement with Indigenous Communities and ensure inherent and treaty rights are respected.
- Confirm the preliminary preferred alternative and associated mitigation measures and additional studies to implement.
- Conclude the study and prepare the final Project File Report that will be available for public review and comment.



Please note that information related to this study will be collected in accordance with the *Freedom of Information and Protection of Privacy Act*. All comments received will become part of the public record and may be included in the study documentation prepared for public review.

We Want to Hear From You

Your feedback and engagement is important!

Halton Region will review and consider all feedback, comments and questions received as part of Public Information Centre.

Your feedback is important and will inform the evaluation of alternatives and final preferred solution.

We appreciate all your comments and questions.

How to stay involved:



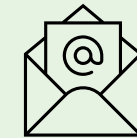
Online survey

Provide your feedback by December 15, 2025



Study webpage

Learn more about the project at [halton.ca](https://www.halton.ca)



Contact the Project Team

Reach out to the Region's Project Manager

Graham Giles

Manager – Water & Wastewater Planning

Halton Region

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Graham.Giles@Halton.ca