

The background features a dark grey upper half and a light blue lower half, separated by a horizontal line. Both halves contain a faint, abstract network of interconnected dots and lines, resembling a molecular or digital structure. The dots are of varying sizes and colors (dark grey, light blue, and white), and the lines are thin and light grey.

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**Trunk Main from the Grimsby Water Treatment Plant (WTP)
to the Parkridge Reservoir Schedule B
Municipal Class Environmental Assessment (EA)**
Public Information Centre

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Welcome!

Goals of this Public Information Centre (PIC)



Present the study area, objectives and problem / opportunity statement



Describe the existing conditions, alternative planning options and a list of alternative solutions



Provide a clear and transparent process for evaluating alternative alignments



Receive feedback on the evaluation process and recommended alternative



Submit your questions and comments online

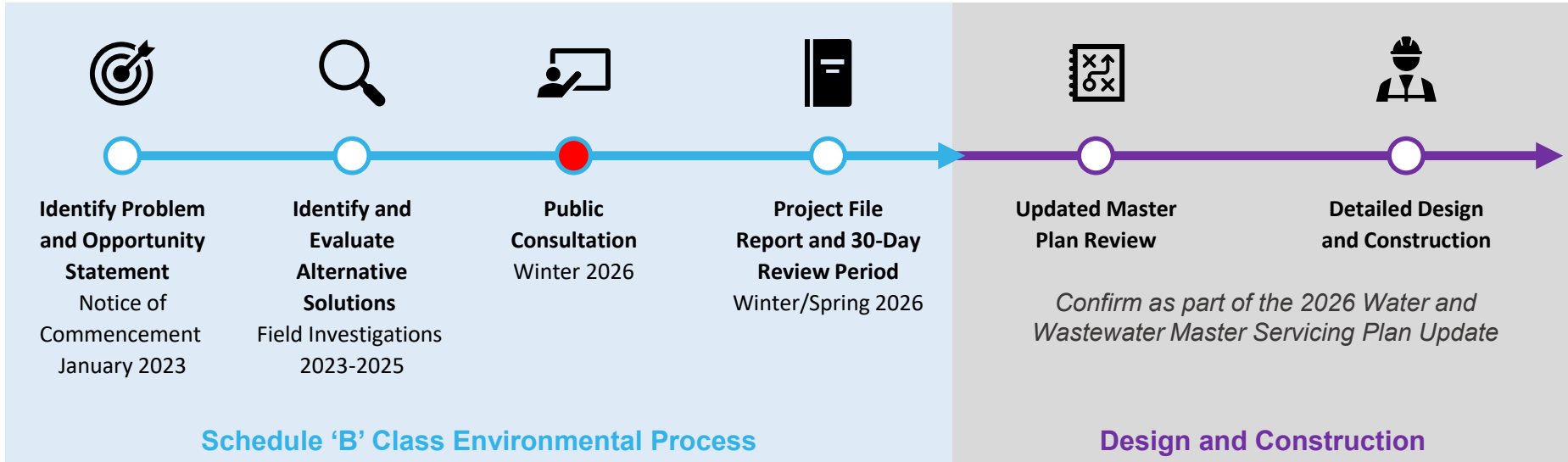
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Municipal Class EA Process

This project is classified as a Schedule 'B' Municipal Class EA and is subject to Phases 1 through 4 of the Municipal Class EA (MCEA) process.



Problem and Opportunity Statement

“ Identify and develop a preferred solution for a new trunk main from the **Grimsby Water Treatment Plant to the Parkridge Reservoir** to support future growth and improve overall system operation and efficiency. ”

Key elements of this study include:

1. Improve system operations and efficiency of the overall Grimsby water system,
2. Ensure new capacity and future flow demand requirements are met (i.e., beyond 2051) and,
3. Mitigate risks to natural, technical, and socio-cultural environments, while minimizing costs.

Baseline Understanding

Studies undertaken to support site inventory review:

Geotechnical & Hydrogeological – *Palmer*

- Shallow bedrock depths, challenging constructability.
- Highly Vulnerable Aquifers and Significant Groundwater Recharge Areas

Cultural Heritage – *WSP*

- Study area includes both designated and listed cultural heritage properties

Natural Environment – *Matrix Solutions Inc.*

- Study area is rich in natural environmental resources including ANSIs, wetlands, significant woodlands, and major watercourses.

Stage 1 Archaeological Assessment – *WSP*

Varying degrees of archeological potential, resulting in different investigations and inspections:

- Stage 2 test pit survey
- Stage 2 construction monitoring
- Pedestrian survey to confirm disturbance / steep slope

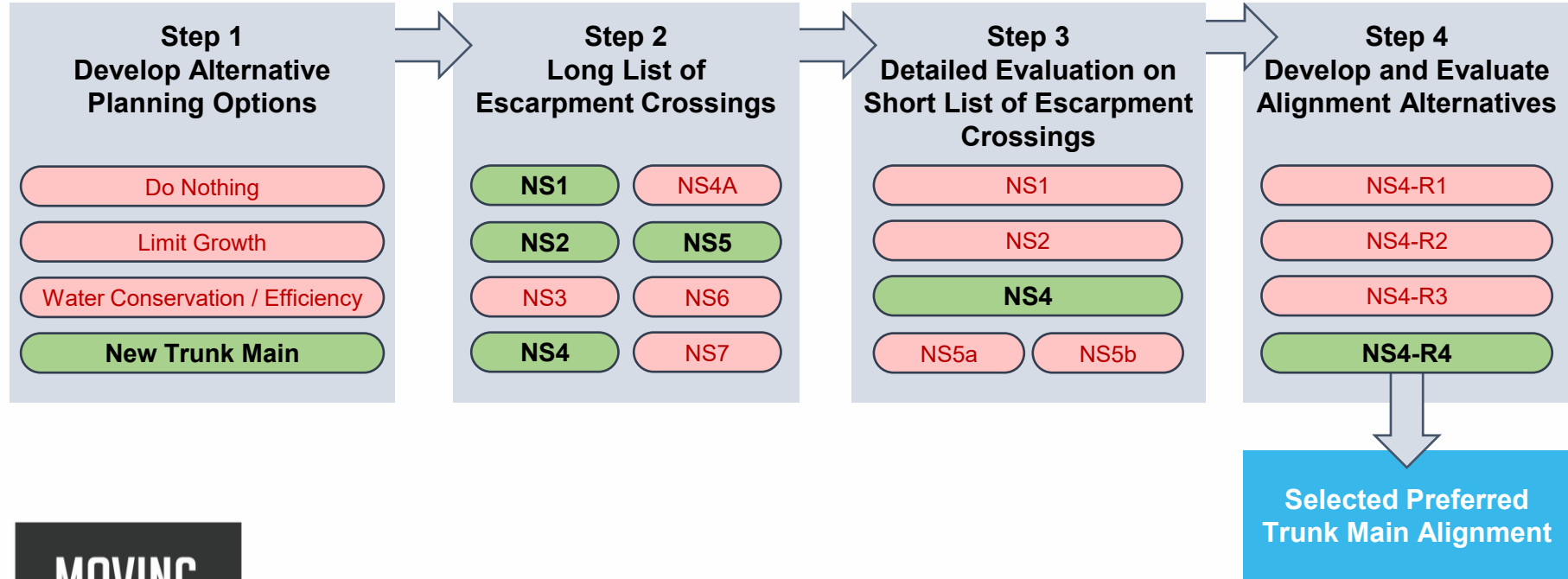


Evaluation Process Overview

Legend

Screened Out

Carried Forward



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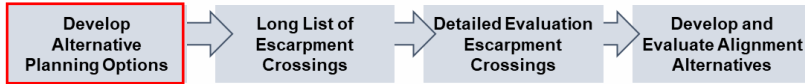
Step 1 Planning Options

Legend

Screened Out

Carried Forward

Overall Evaluation Process



Planning Options

1. Do Nothing

2. Limit Growth

3. Water Conservation / Efficiency

4. New Trunk Main

Constructing a new dedicated trunk watermain will increase system capacity and ensure compliance with the Region's Planning and Policy requirements.

The new trunk watermain will provide an independent feed to the Grimsby system, supplementing the existing infrastructure. This enhancement offers the Region greater supply flexibility while improving redundancy and security of the water supply.

This option satisfies all screening criteria and fully aligns with the study's objectives outlined in the Project Problem / Opportunity Statement.

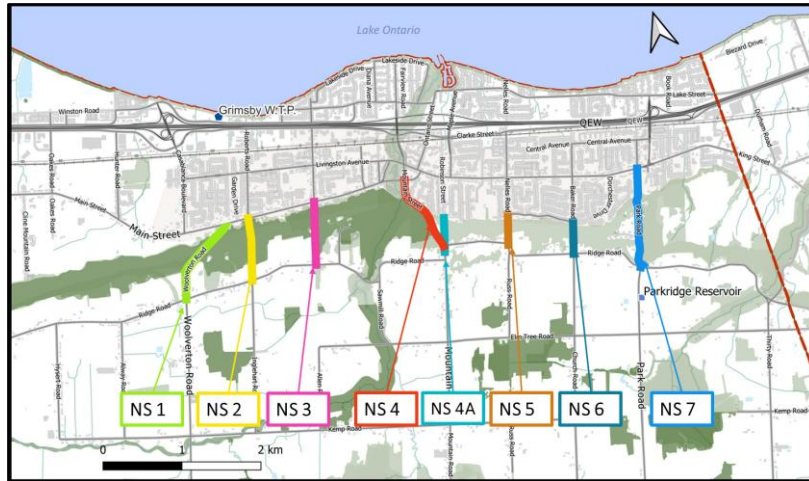
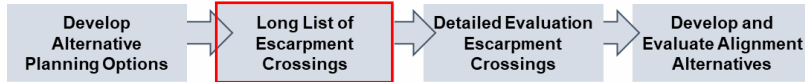
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Step 2 Long List of Escarpment Crossings

Overall Evaluation Process



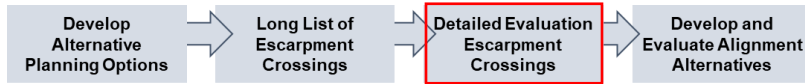
Eight (8) potential Escarpment Crossings were identified and screened based on the following criteria:

- 1. Existing Easements** – Is there an existing easement located along proposed crossing areas?
- 2. Profile & Alignment** – Can the crossing be constructed without any unusual elevation points?
- 3. Construction Feasibility** – Can the crossing accommodate adequate laydown areas for construction?

NS1, NS2, NS4, & NS5 were carried forward.

Step 3 Short List of Escarpment Crossings

Overall Evaluation Process



NS4 Mountain Road was carried forward.

Five (5) short-listed Escarpment Crossings undergone detailed evaluation based on the following criteria:



Natural Environment

- Terrestrial, Aquatic Habitats, Species and Systems
- Greenhouse Gas Emissions
- Climate Change Adaptability

Social & Cultural

- Archaeological, Built / Cultural Impact
- Community Impact During Construction
- Property Acquisition and Easements



Technical

- Risks to Existing Infrastructure
- Constructability
- Soils, Geotechnical and Hydrogeology
- Ease of Operation and Maintenance
- Permits and Approvals



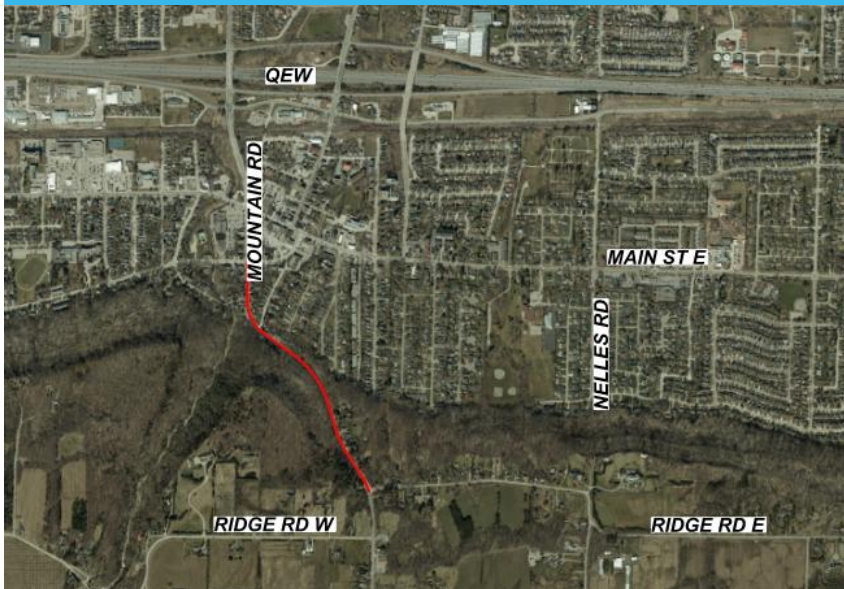
Economic

- Escarpment crossings construction costs.



Step 3 Outcome - Preferred Escarpment Crossing

NS4 Mountain Road



Limited environmental impacts; additional studies and mitigation planned.



Minor social/cultural impacts; additional studies and mitigation planned.



No property acquisition or easements required



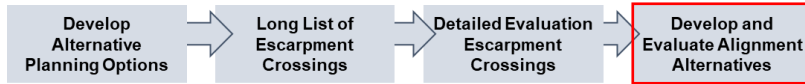
Reduced construction risk and carbon footprint compared to trenchless construction method.



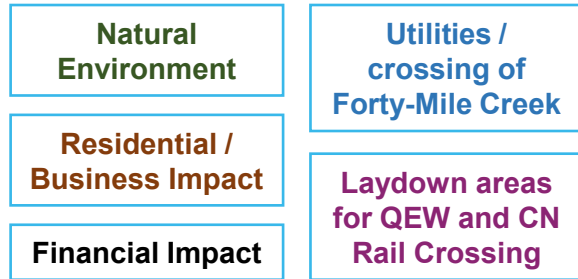
Cost effective

Step 4 - Alternative Alignment Evaluation

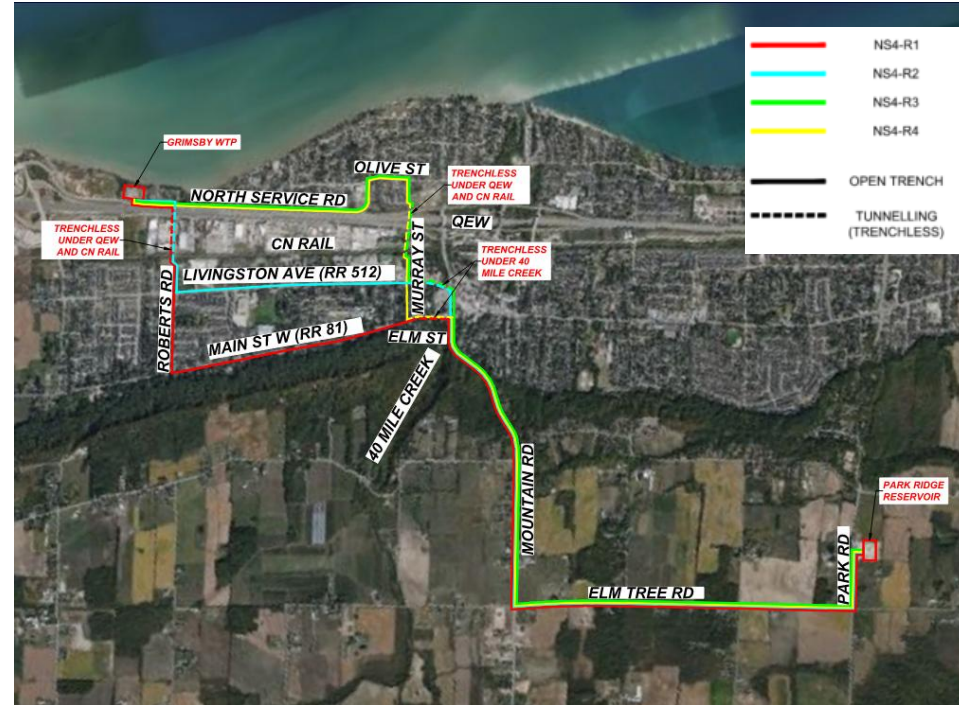
Overall Evaluation Process



Following the identification of the preferred Escarpment Crossing, four (4) short-listed alignments undergone detailed evaluation based on the following criteria:



NS4-R4 was selected as the Preferred Alignment.



Preferred Alignment

NS4-R4 Mountain Road to Regional Road 81 to Murray Street Crossing was selected as the preferred alignment for the following reasons:



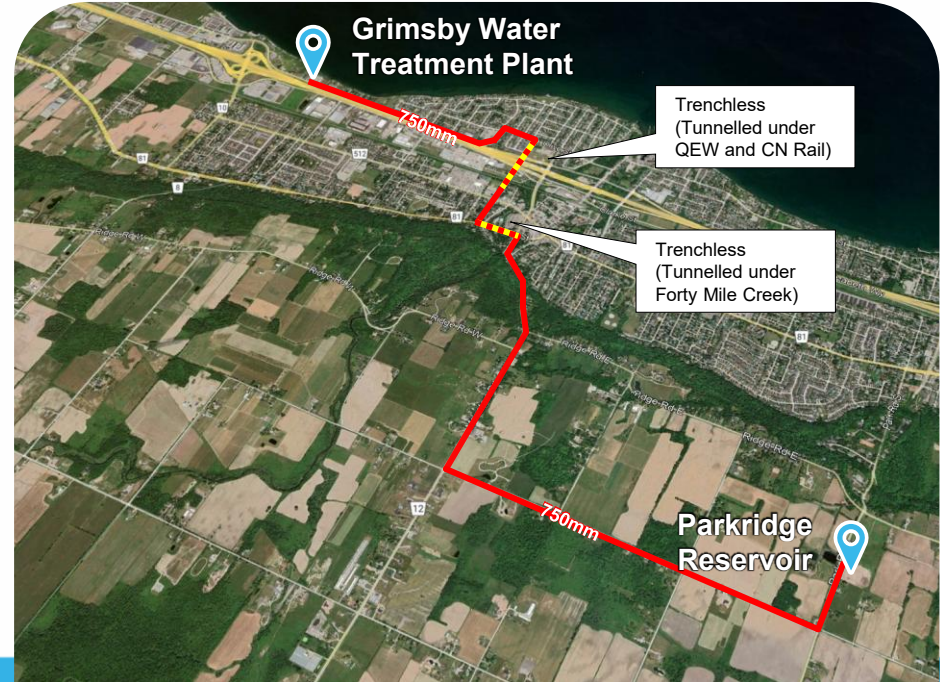
Lower impact on residents and businesses compared to other alternatives.



Favourable trenchless construction area under Forty Mile Creek along Elm Street (Regional Road 81)



Favourable laydown areas for trenchless crossing of QEW / CN Rail



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Mitigating Impacts



Natural Environment

- Complete **additional studies** including:
 - ✓ Detailed Vegetation Inventory
 - ✓ Conduct breeding bird survey for Species-at-Risk implications
 - ✓ Wetland boundary delineation
 - ✓ Aquatic Habitat Survey
- **Erosion and Sedimentation Controls** to protect Forty Mile Creek

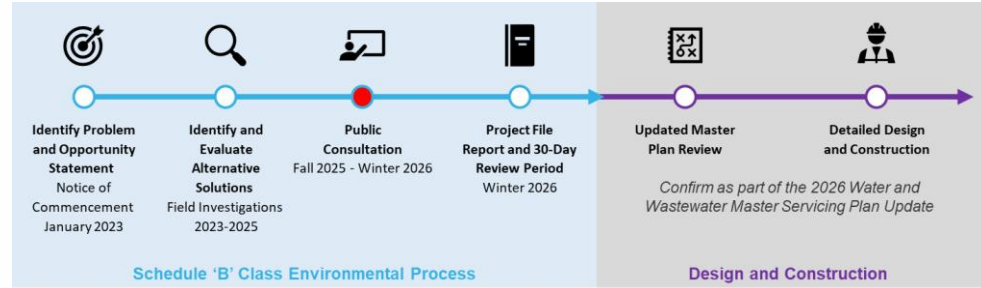


Social – Cultural

- Avoid Archaeological, Built Heritage Resources and Cultural Heritage Landscapes where possible; mitigate through proper removal and monitoring if avoidance is not possible.
- Complete **additional studies**:
 - ✓ Stage 2 Archeological Assessment
 - ✓ Cultural Heritage Report
- Ensure proper **health and safety protocols** followed during construction and operation.
- Traffic Control during construction to **minimize traffic impacts** for residents and businesses.

Next Steps

- Incorporate any feedback received from the Public Information Centre (PIC).
- Finalize the Preferred Solution.
- Prepare the Project File Report.
- 30-Day Review Period and incorporate any feedback or comments into the Project File Report.
- Region to determine and assess project next steps as part of the 2026 Water Wastewater Master Servicing Plan Update (MSPU).



Questions

Key Dates

- **January 21, 2026:** Project Information presented online
- **January 21 – February 18, 2026:** Submit questions or comments related to the study to Niagara Region
- **February 2026:** Responses to questions and comments posted on the project website

We encourage you to provide input on the evaluation and recommended solution. Please submit any questions or comments through the project webpage by **February 18, 2026**.



Responses to comments or questions will be provided on the project webpage www.niagararegion.ca/projects/grimsby-new-trunk-watermain/

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