Region of Peel
working with you

Finch Stormwater Pumping Station Schedule ‘B’ Class Environmental Assessment

Virtual Public Information Centre

June 1, 2023 – June 15, 2023

Meet the Project Team

Paul Rastrullo
Region of Peel
Project Manager

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GM BluePlan Engineering
Project Manager

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GM BluePlan Engineering
Communications Manager

Land Acknowledgement

- We would like to acknowledge that the land on which we gather, and on which the Region of Peel operates, is part of the Treaty Lands and Territory of the Mississaugas of the Credit.
- For thousands of years, Indigenous peoples inhabited and cared for this land, and continue to do so today.
- In particular, we acknowledge the territory of the Anishinbek, Huron-Wendat, Haudenosaunee and Ojibway/Chippewa peoples; and land that is home to the Metis; and most recently, the territory of the Mississaugas of the Credit.
- We are grateful to have the opportunity to work on this land, and by doing do, give our respect to its first inhabitants.

Overview

What?

Public Information Centre (PIC) for the **Schedule B Class Environmental Assessment (EA)** for the **Finch Stormwater Pumping Station (SWPS)**.

Where?

Facility located at 7848 Finch Avenue, Brampton, which borders Mississauga and Toronto. It consists of two structures about 200 m apart.

Why?

The aging station needs upgrades to meet current standards and to provide reliable operation to protect against flooding. This study will evaluate alternative locations and solutions for the upgraded facility.

Public Information Centre (PIC) Objectives

Timeline

June 1, 2023:
Project information, project overview video, and transcript posted on project website:
https://www.peelregion.ca/public-works/environmental-assessments/brampton/finch-stormwater.asp

June 1 to June 15, 2023:
Submit questions or comments related to the PIC materials to Region of Peel through project website above or directly to:
Paul.Rastrullo@peelregion.ca

June 30, 2023
Responses to questions and comments posted

Outline the Finch SWPS Class EA study approach and what steps are being taken to support the decision-making process.

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

Obtain your feedback on the purpose of the Finch SWPS Schedule B Class EA, the alternative solutions, evaluation criteria, and the preliminary preferred alternative.

Project Approach

Municipal Class EA Process

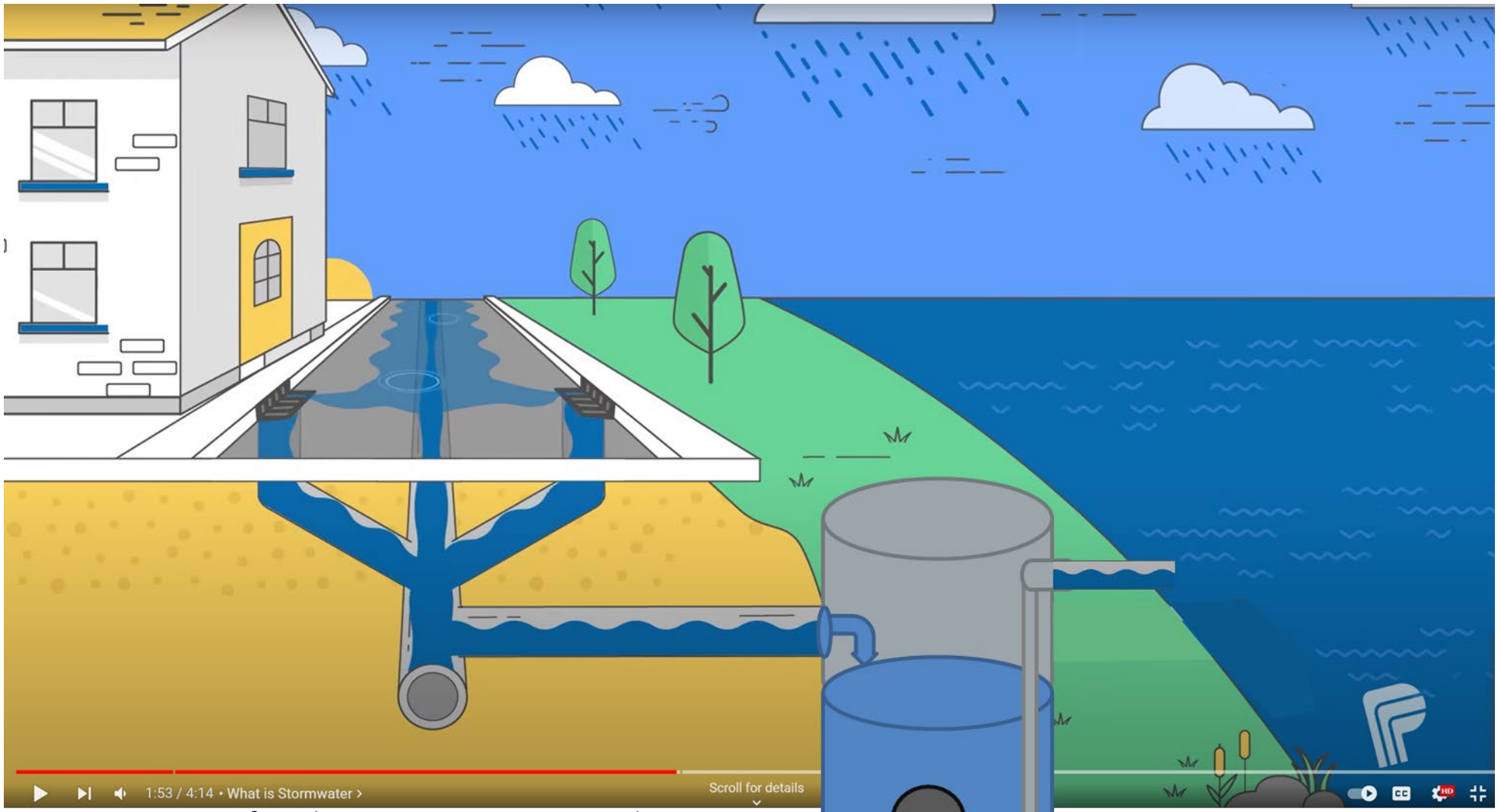
This study is following the **Municipal Class Environmental Assessment** (EA) process, which is a decision-making process that all Ontario municipalities follow for rehabilitating and building new infrastructure.

This study follows the Municipal Engineers Association (MEA) **Schedule 'B'** Class Environmental Assessment (EA) process and will satisfy Phases 1 and 2.

PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5
Problem or Opportunity	Alternative Solutions	Alternative Design Concepts for Preferred Solution	Environmental Study Report (ESR)	Implementation
Identify Problem or Opportunity	Identify Alternative Solutions to Problem or Opportunity	Identify Alternative Solutions to Problem or Opportunity	Complete Environmental Study Report (ESR)	Complete Contract Drawings and Tender Documents
Discretionary Public Consultation to Review Problem or Opportunity	Inventory Natural, Social, Economic Environment	Detail Inventory Natural, Social, Economic Environment	Environmental Study Report (ESR) Placed on Public Record	Proceed to Construction and Operation
	Identify Impact of Alternative Solutions on the Environment, and Mitigating Measures	Identify Impact of Alternative Designs on Environment, and Mitigating Measures	Notice of Completion to Review Agencies and Public	Monitor for Environmental Provisions and Commitments
	Evaluate Alternative Solutions: Identify Recommended Solutions	Evaluate Alternative Designs: Identify Recommended Solutions	Copy of Notice of Completion to MOE-EA Branch	
	Consult Review Agencies and Public. RE: Problem or Opportunity and Alternative Solutions	Consult Review Agencies and Previously Interested and Directly Affected Public.	Opportunity to Request Minister Within 30 Days of Notification to Request and Order*	
	We are here!	Select Preferred Design		
	Select Preferred Solution	Preliminary Finalization of Preferred Design		

For more information on Municipal Class EA Process, please visit the following website:
https://municipalclassea.ca/manual/

What is Stormwater?



- Stormwater is runoff from rainstorms and melted snow
- Hard surfaces prevent it from being absorbed into the soil, which can cause flooding
- Neighbourhoods require stormwater management to prevent flooding.

Source: Region of Peel Stormwater Servicing Plan

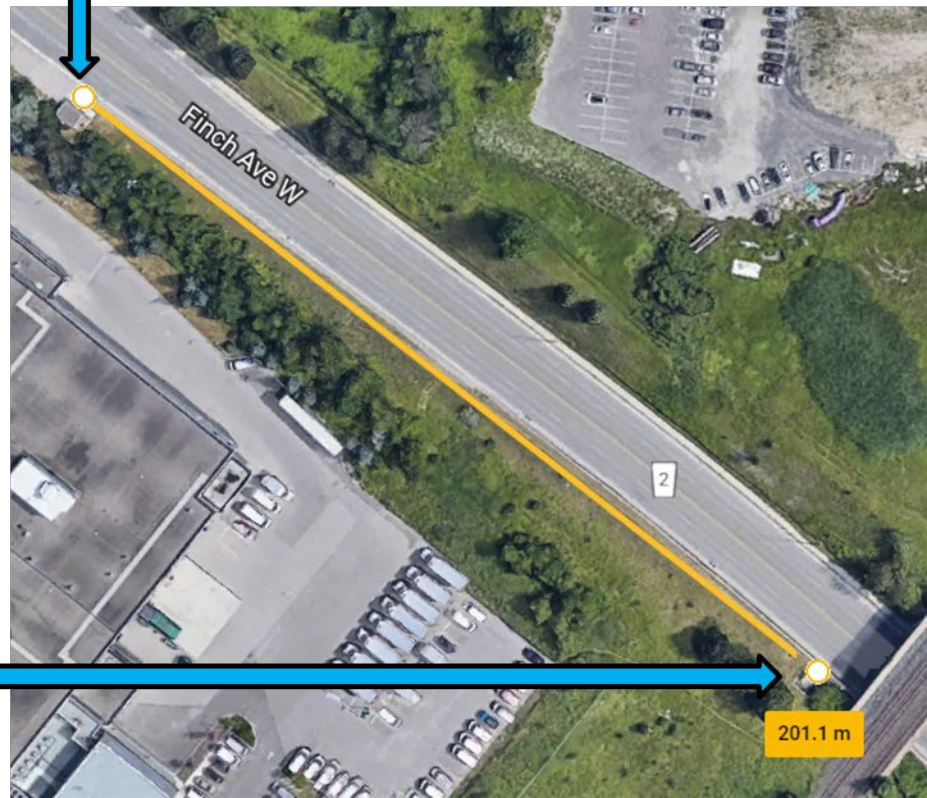
Existing Conditions

The existing Finch SWPS consists of two parts:

1. **Wet Well**: below ground structure with two pumps that collects stormwater from the area to pump it into the Finch Ave stormwater collection system.
2. **Control Building**: small building with electrical equipment.

The station is designed to prevent flooding on Finch Avenue during the worst storm that is projected to occur about once every 10 years.

If there is a pump failure or flow that exceeds the station capacity, there is a risk of flooding on Finch Avenue.



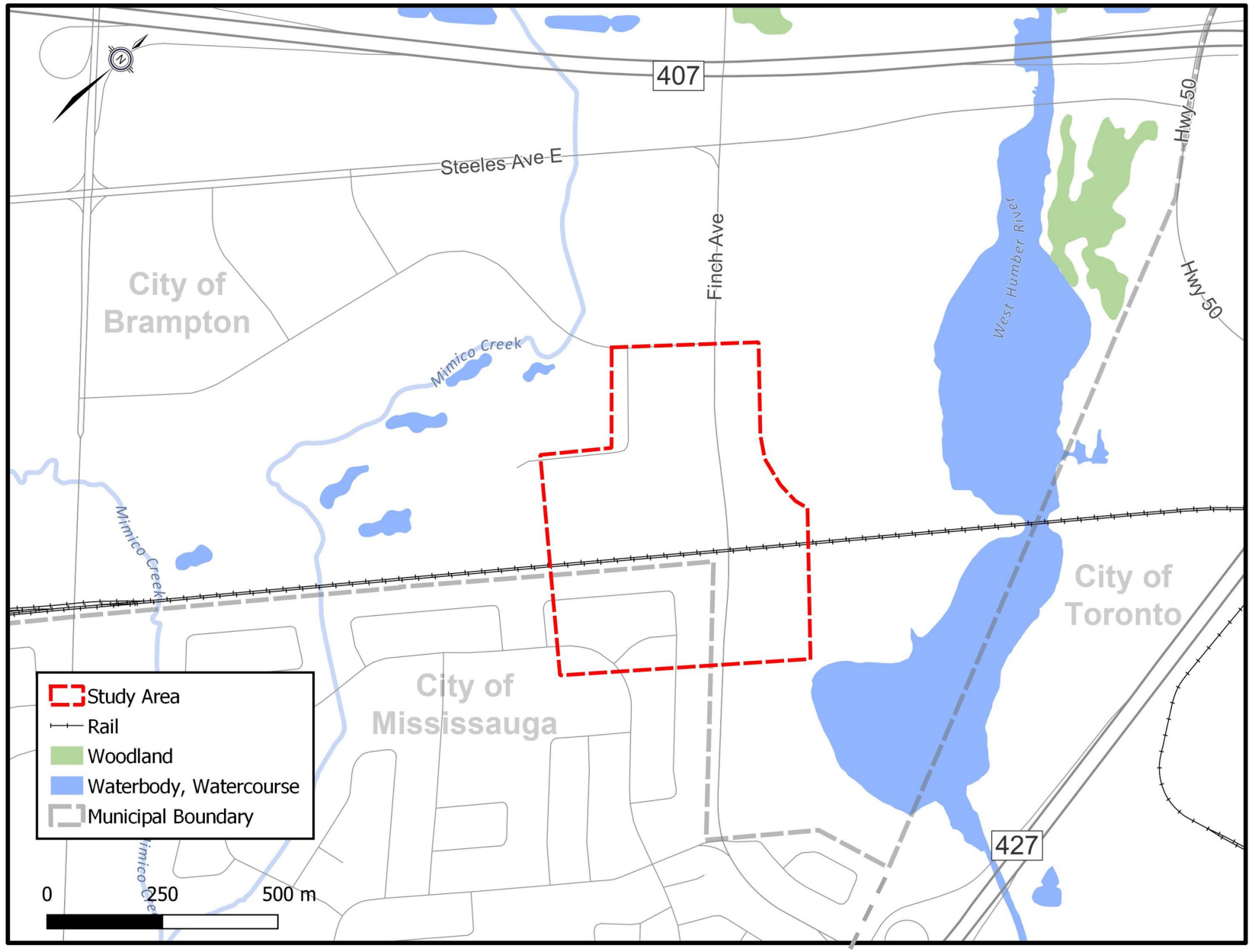
Phase 1: Problem and Opportunity Statement

The Finch Stormwater Pumping Station (SWPS), constructed in 1984, was designed to lift stormwater from a low-lying area under a railway underpass to a nearby storm sewer to protect the area from flooding.

The station is aging and requires upgrades to bring the equipment to current standards and address increasing climate change impacts.

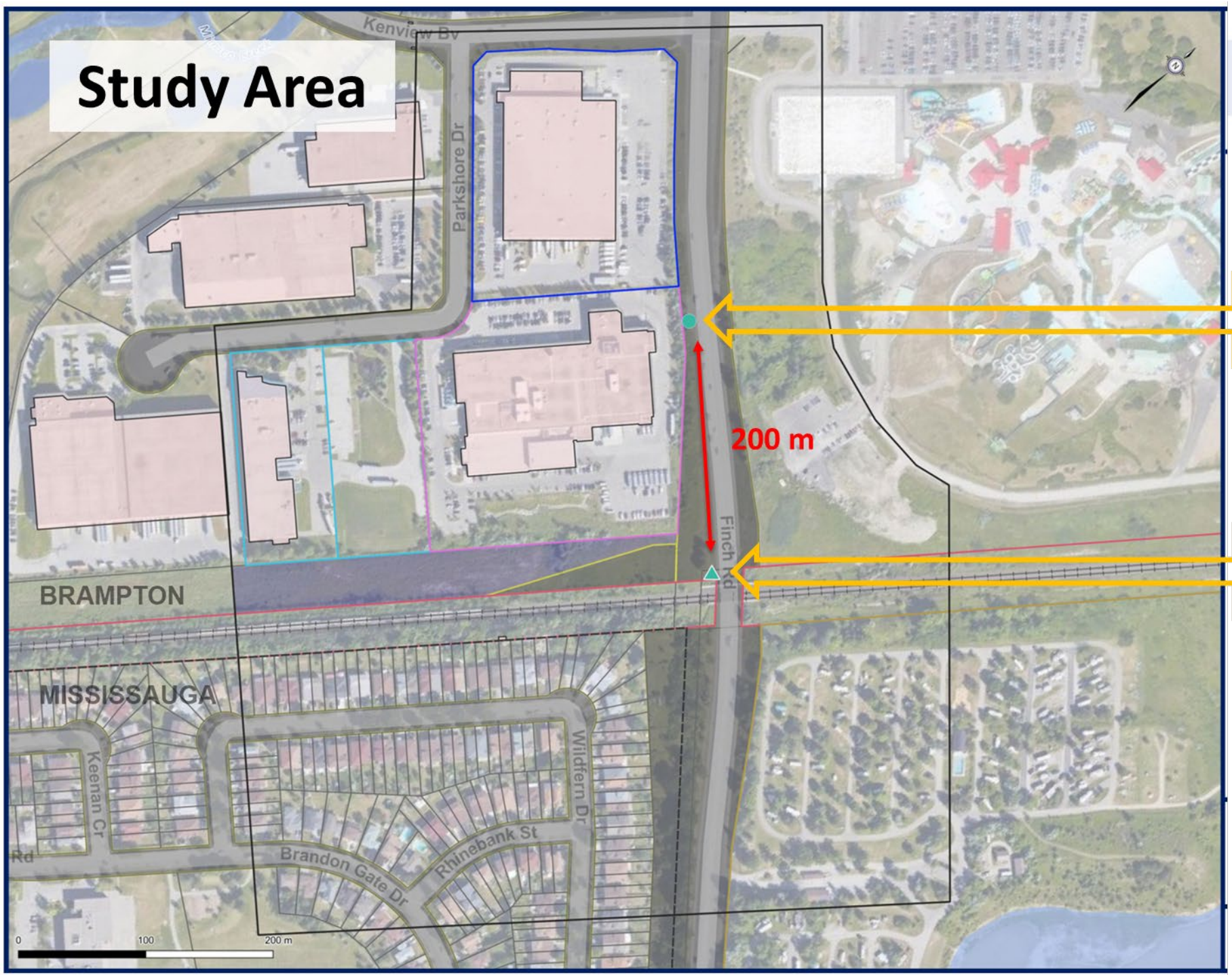
This study will evaluate alternative locations for the upgraded facility, with consideration for social, environmental, regulatory, and cost impacts, along with technical feasibility.

Study Area


407
Steeles Ave E
Finch Ave
Hwy 50
Hwy 50
West Humber River
Mimico Creek
Mimico Creek
City of Brampton
City of Mississauga
City of Toronto
427
Study Area
Rail
Woodland
Waterbody, Watercourse
Municipal Boundary
0
250
500 m

Region of Peel
working with you

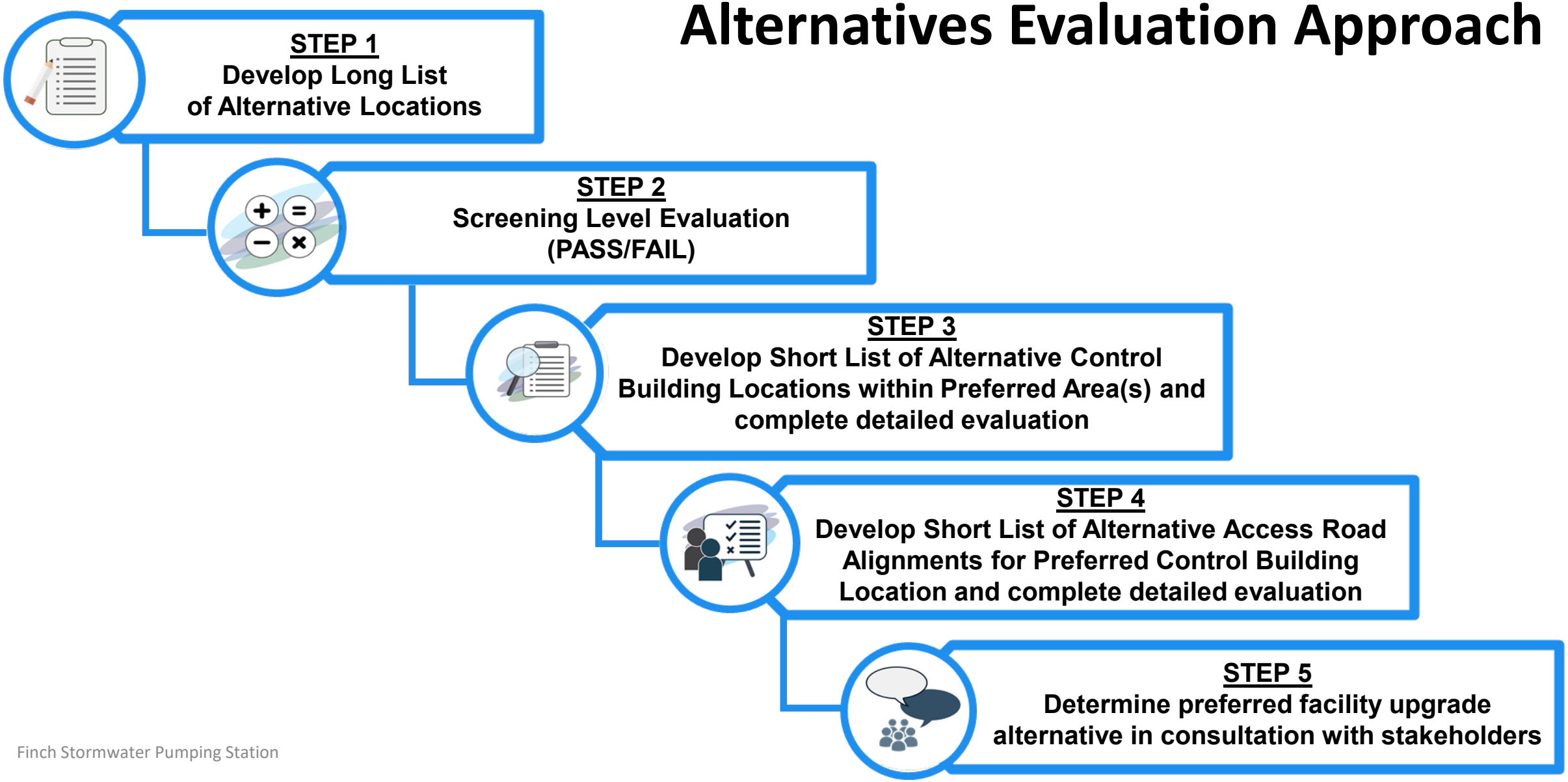
Study Area



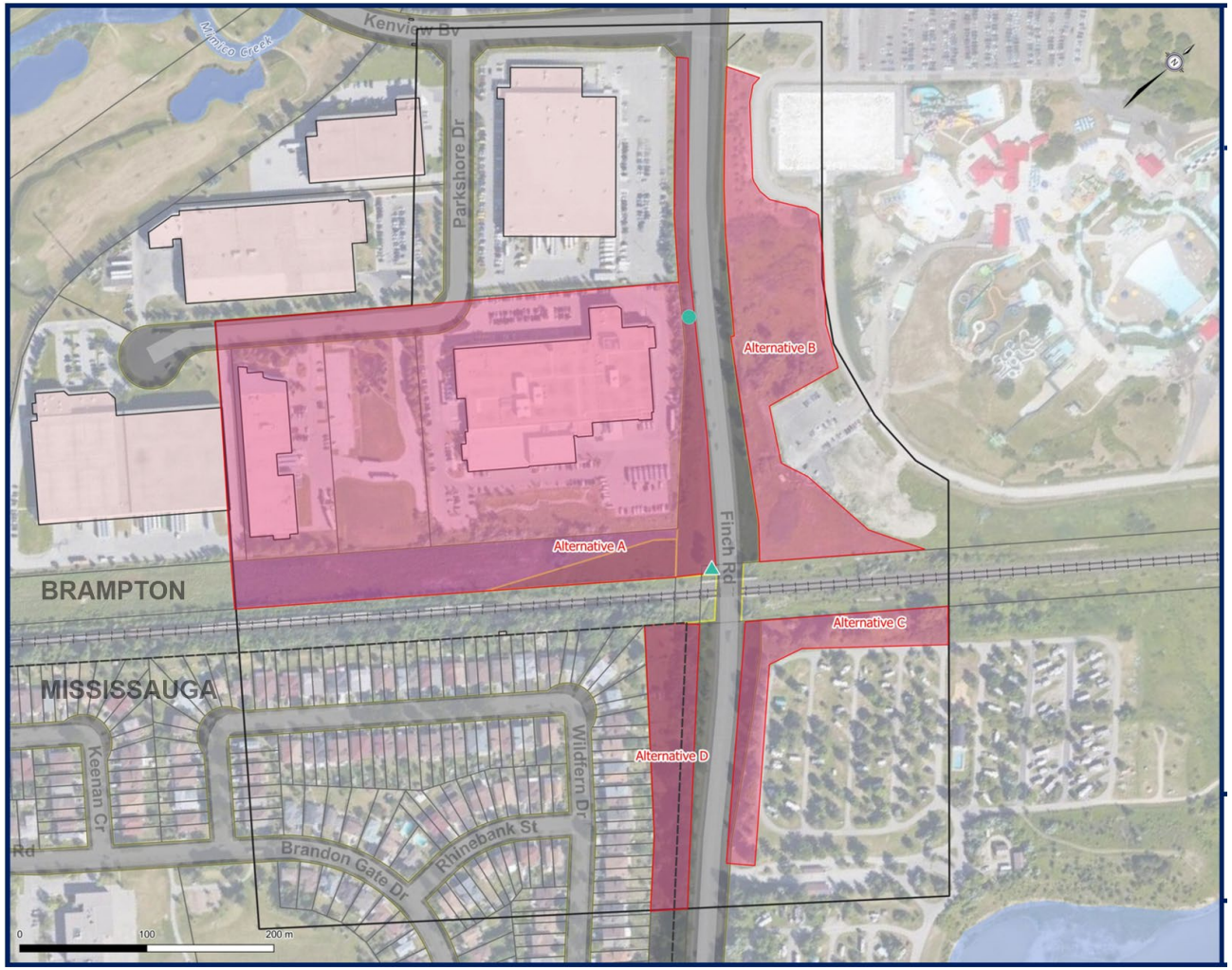
Control Building

Wet Well

Alternatives Evaluation Approach



Step 1 and 2: Development and Screening of Long List of Alternative Locations for Station Upgrades



Screening Criteria	Alt A	Alt B	Alt C	Alt D
Insufficient land area to house facility and access without impacting existing structures on private property	NO	NO	YES	YES
Land is on private property and acquisition will likely require appropriation	NO	YES	YES	YES
RESULTS	**Carried Forward**	**Screened Out**	**Screened Out**	**Screened Out**

Detailed Evaluation Criteria

Natural Environment

- Soil / groundwater contamination
- Terrestrial and Vegetation Impacts
- Surface and Groundwater Impacts
- Species At Risk and Wildlife Habitat
- Designated and Environmental Policy Areas
- Energy Consumption and Carbon Footprint

Technical Feasibility

- Ease of Operation and Maintenance
- Compatibility with Existing and Future Infrastructure
- Ease of Implementation
- Ability to meet current regulatory requirements and Region Standards
- Climate Change adaptability

Socio-Cultural Environment

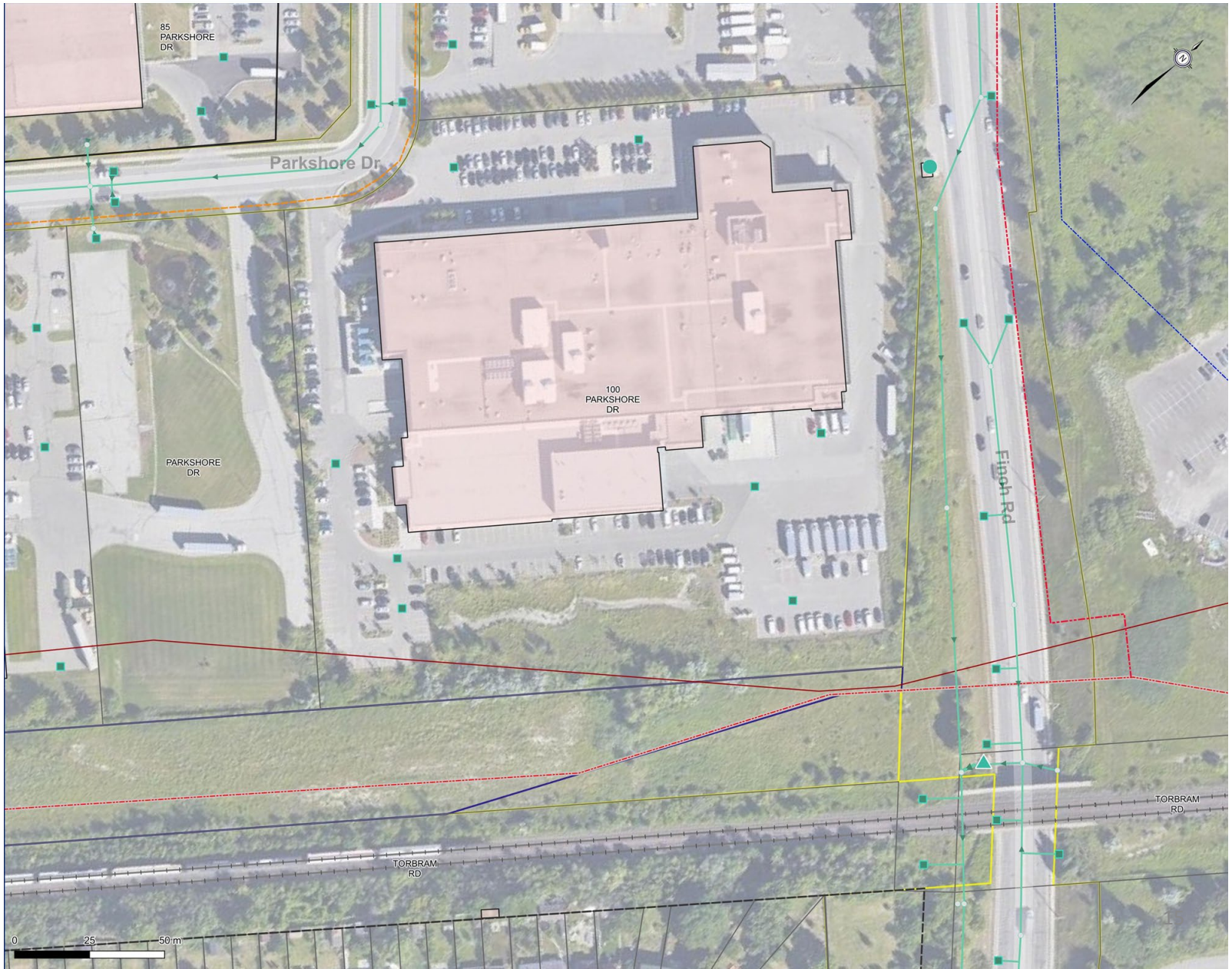
- Construction Impacts (noise, dust)
- Aesthetic Appearance
- Compatibility with adjacent land uses
- Archaeology / Cultural Heritage and Indigenous Peoples
- Ability to protect public safety, health and assets from flooding
- Noise impacts during operation
- Property Requirements

Economic Considerations

- Capital Cost
- Operating and Maintenance Cost
- Life Cycle Costs

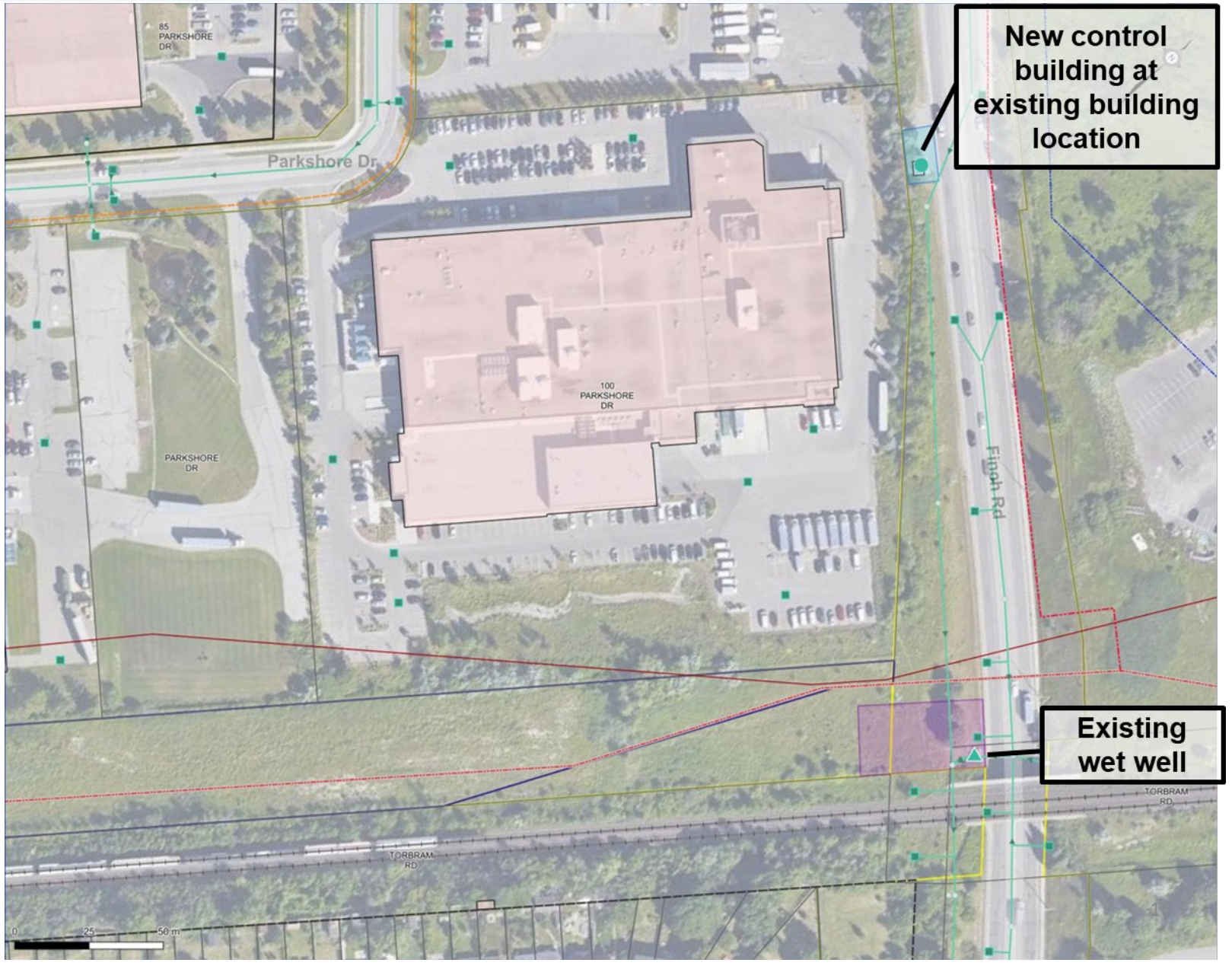
Step 3: Short List of Facility Locations

Do Nothing Option



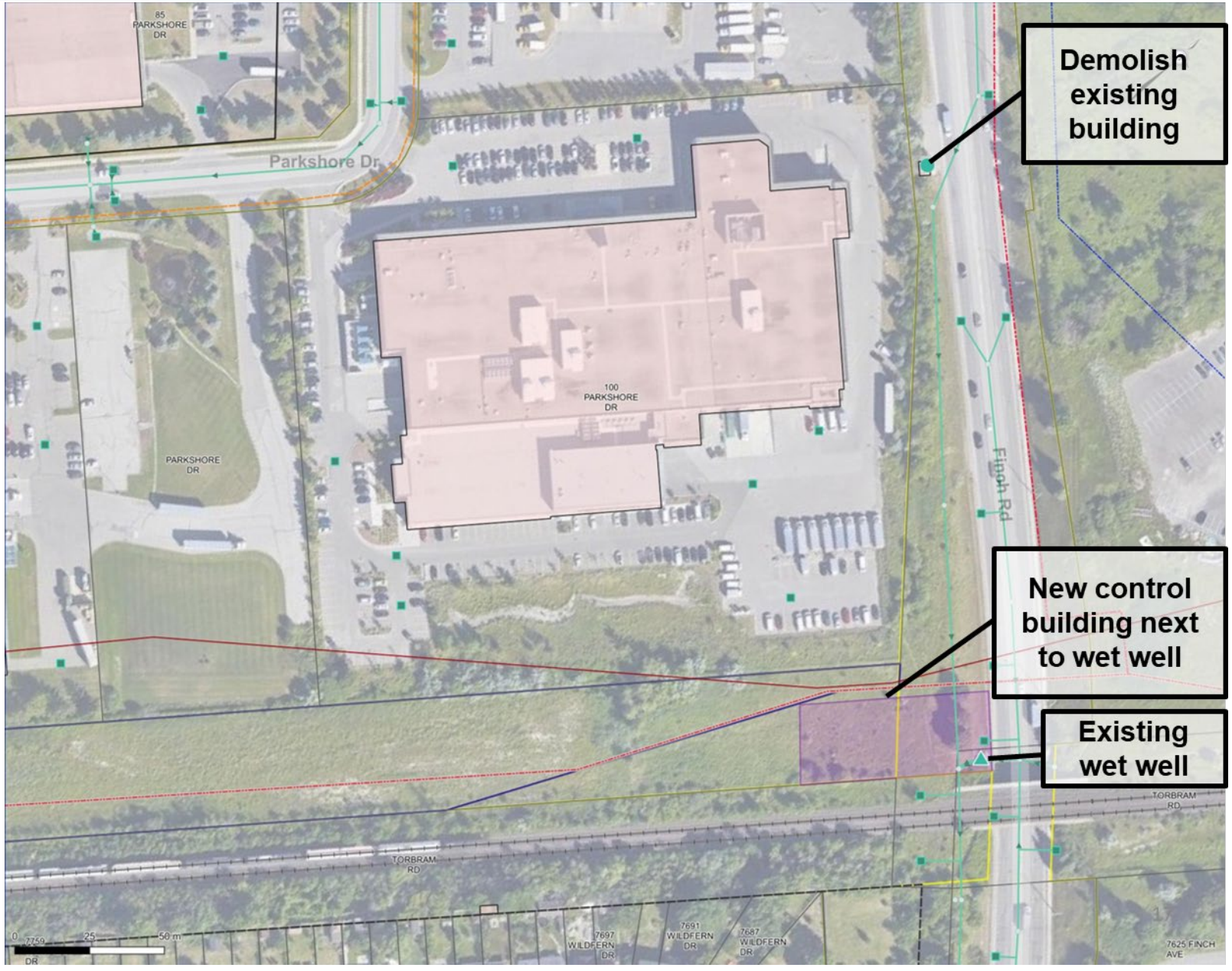
Step 3: Short List of Facility Locations

Facility Alternative 1

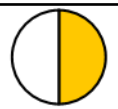


Step 3: Short List of Facility Locations

Facility Alternative 2



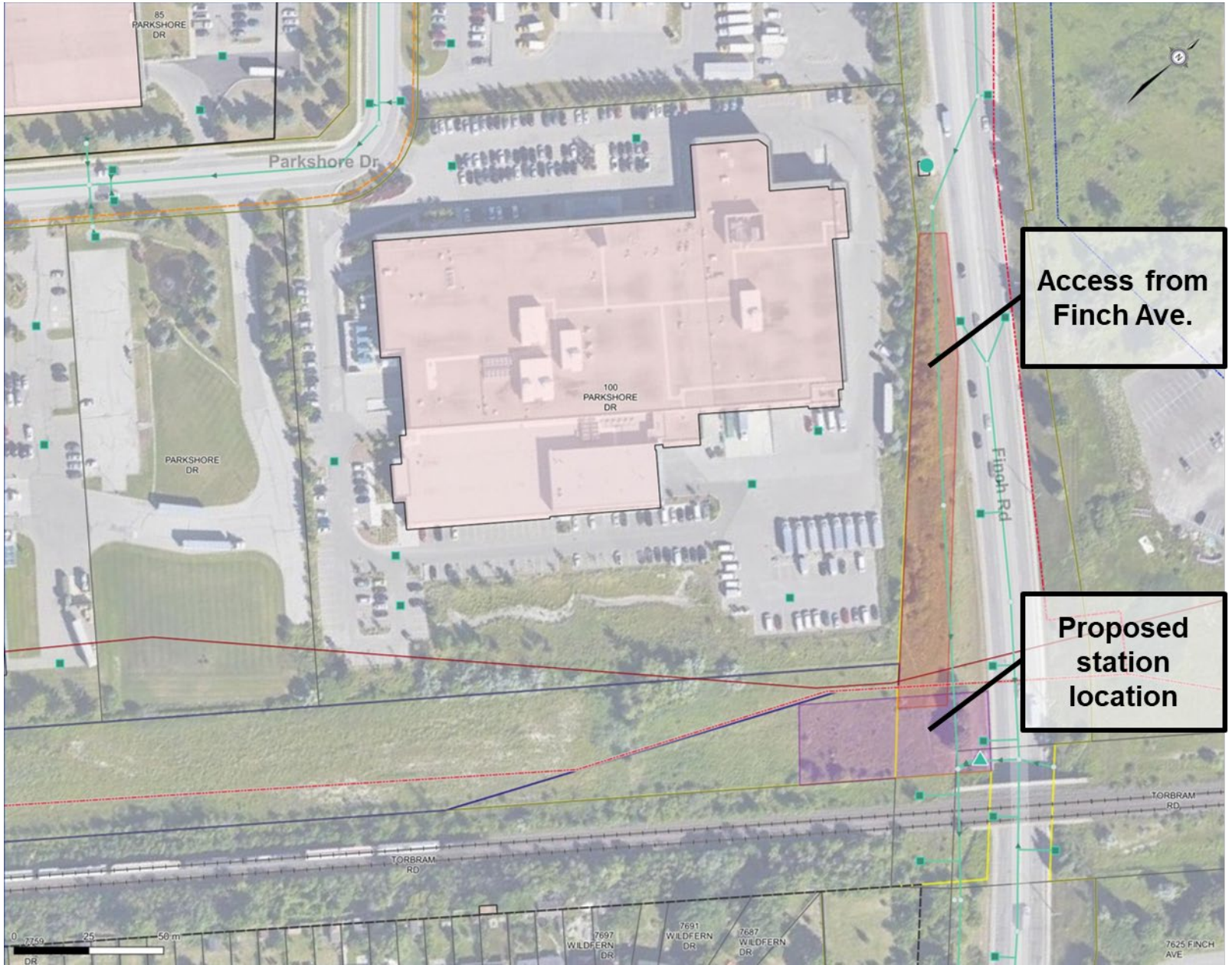
Step 3: Detailed Evaluation of Facility Locations

	Do Nothing : Maintain Existing Control Building and Wet Well	**Facility Alternative 1:** New Control Building at Existing Location, Maintain Existing Wet Well Location	**Facility Alternative 2:** New Control Building at Wet Well Location and Maintain Existing Wet Well Location
Natural Environment	 Negligible Impact	 Low potential impacts	 Low potential impacts
Social and Cultural Environment	 Increased flood risk, greater aesthetic impacts	 Low potential for cultural or community impacts	 Low potential for cultural or community impacts
Technical Feasibility	 Poor accessibility and resilience, does not meet current standards	 Some constructability challenges; minimal improvements to site access	 Improved accessibility during construction and operation
Economic Impacts	 Maintain existing O&M costs only	 Cost of new control building and valve chamber	 Cost of new control building and valve chamber
Summary Score			
Ranking	**3**	**2**	**1 - Preferred**

Legend :  Good  Neutral  Negative

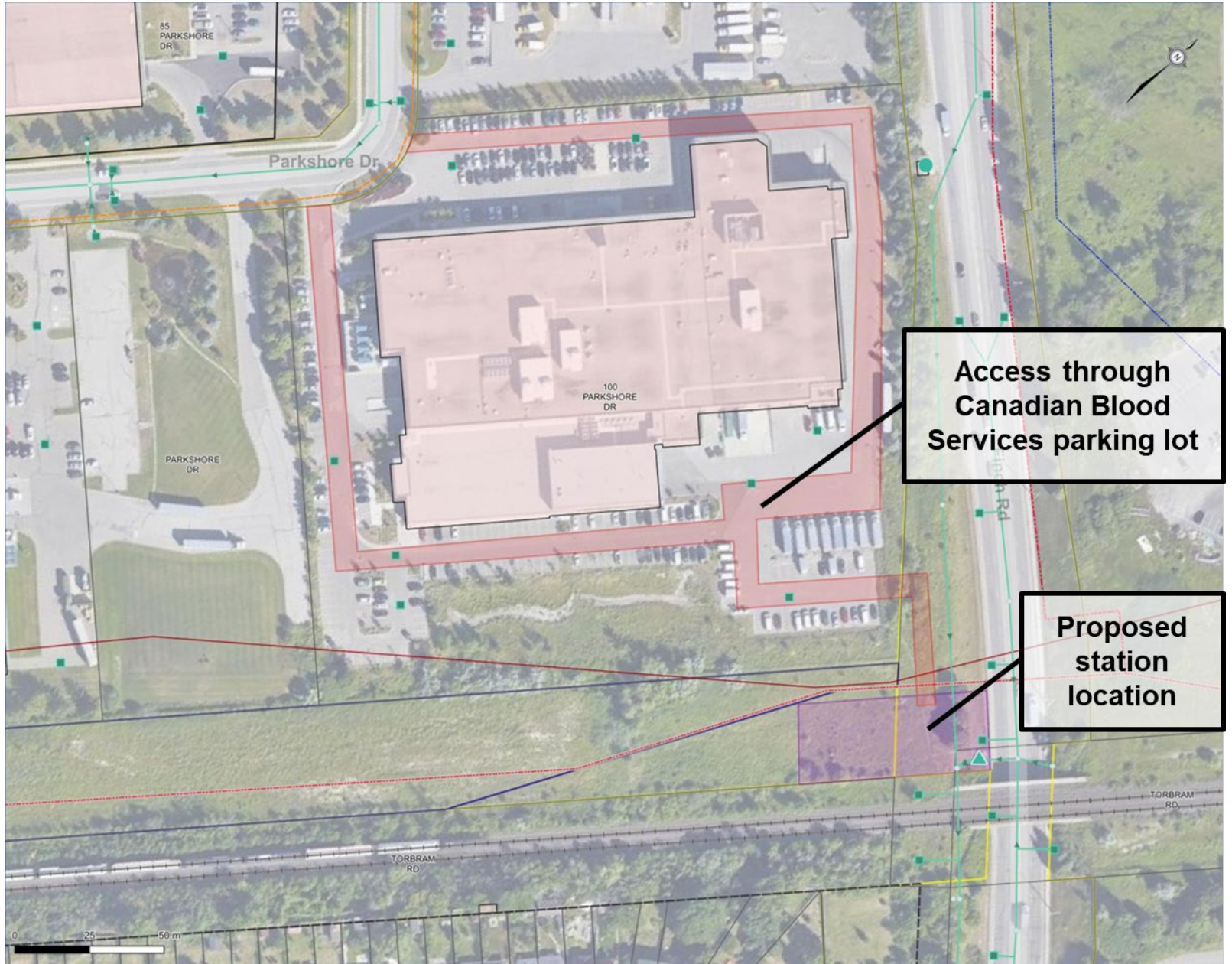
Step 4: Short List of Alternative Access Road Alignments

Access Alternative 1



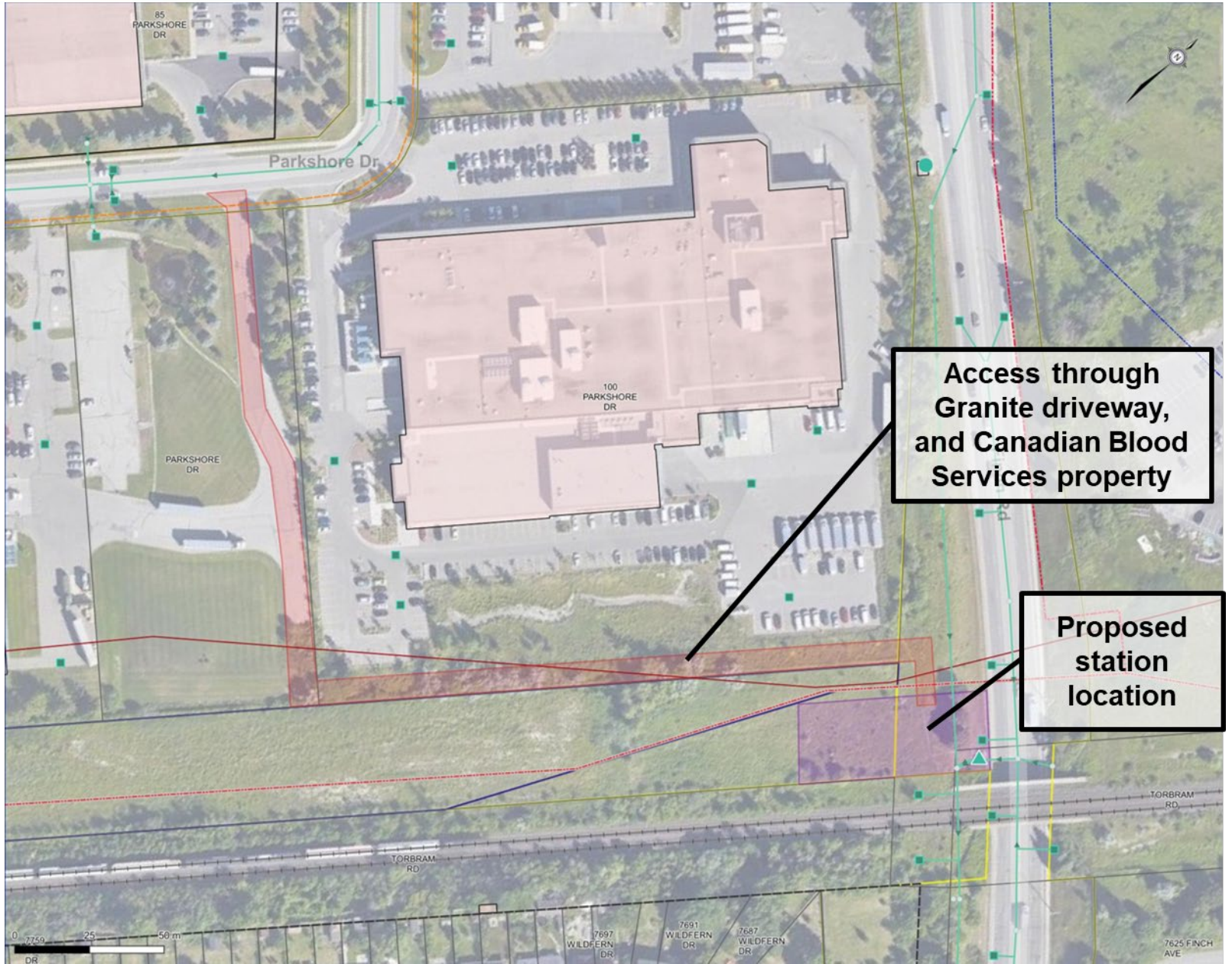
Step 4: Short List of Alternative Access Road Alignments

Access Alternative 2



Step 4: Short List of Alternative Access Road Alignments

Access Alternative 3

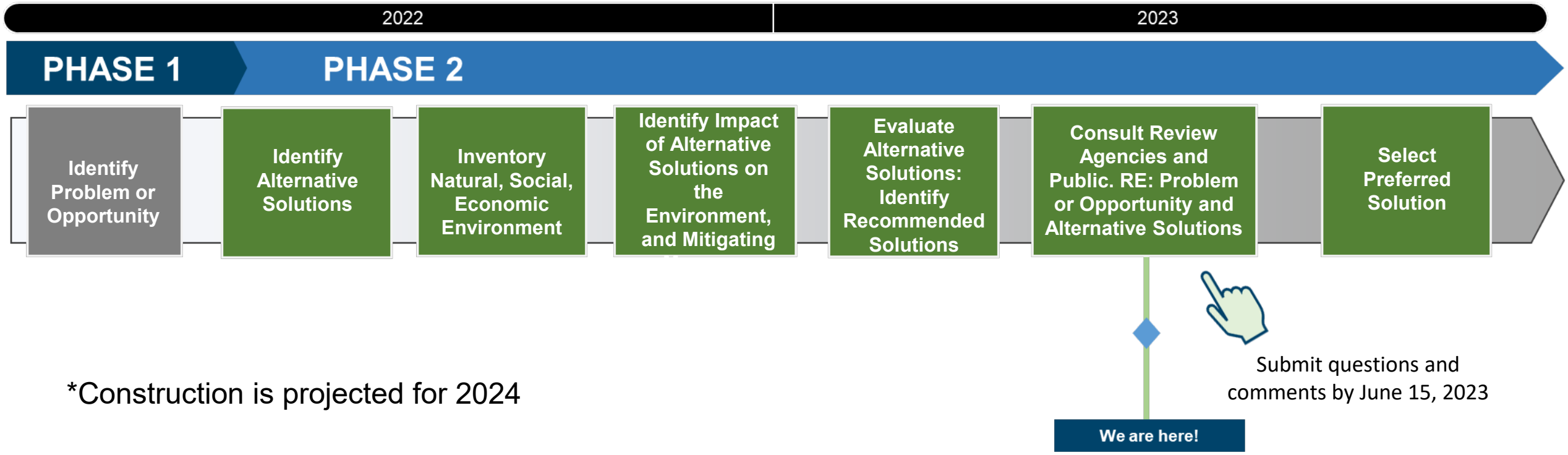


Step 4: Detailed Evaluation of Alternative Access Road Alignments

	Access Alternative 1: From Finch Avenue	**Access Alternative 2:** Through Canadian Blood Services Parking Lot	**Access Alternative 3:** Through Granite Driveway, and Canadian Blood Services Property
Natural Environment	Minor tree removals	Minor tree removals	Passes through buffer of unevaluated wetland, potential bat habitat
Social and Cultural Environment	No additional property required. Some noise during construction.	Requires easement from 1 landowner. Minor noise during construction.	Requires easement from 2 landowners. Higher potential for archaeological impacts.
Technical Feasibility	More challenging construction due to existing grades, proximity to Finch Ave.	Access through private 1-way driveway inconvenient for operations staff	Approvals for work near wetland may be challenging, additional mitigation
Economic Impacts	Reduced cost due to no property acquisition	Capital cost impacted by property requirements	Capital cost impacted by property requirements
Summary Score			
Ranking	**1 - Preferred**	**2**	**3**

Legend : Good Neutral Negative

Class EA Schedule



*Construction is projected for 2024

Thank you for Participating, Stay Engaged!

As we develop and assess different solutions, we want your input.

We have a comment and questions form for your use on the project webpage.

Comments, questions and feedback will be formally responded to by June 15, 2023 on project webpage.

Paul Rastrullo
Project Manager, Region of Peel

Eric Duivesteyn, P.Eng
Consultant Project Manager
GM BluePlan Engineering Limited

We want to hear from you! Please let us know your thoughts by:

a. **Filling out a comment form on the project webpage**
b. **Messaging the Project Team**

Questions and Comments :
Paul.Rastrullo@peelregion.ca
Web page:
https://www.peelregion.ca/public-works/environmental-assessments/brampton/finch-stormwater.asp

Accessibility

The Region of Peel is committed to meet the requirements outlined in the Accessibility for Ontarians with Disabilities Act, 2005 (AODA). Please contact the project manager if you require an alternative format of this document and/ or if you need support and accommodations to provide feedback for this study.

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.