



Finch Stormwater Pumping Station
Schedule 'B' Municipal Class Environmental Assessment
DRAFT PROJECT FILE REPORT

Prepared by
GM BluePlan for:

Region of Peel

Project No. 122062
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 **Region of Peel**
working with you



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List of Abbreviations

Term or Acronym	Definition
ANSI	Area of Natural and Scientific Interest
APEC	Area of Potential Environmental Concern
ASP	Archaeological Screening Process
CR	Collector Road Screening Process
EA	Environmental Assessment
EAA	Environmental Assessment Act
ESA	Environmental Site Assessment
ESH	Environmentally Sensitive Habitat
ESR	Environmental Study Report
Ha	Hectares
HCCC	Haudenosaunee Confederacy Chiefs Council
HDI	Haudenosaunee Development Institute
L/s	Litres per Second
m	Metres
MECP	Ministry of the Environment, Conservation and Parks
mm	Millimetres
MNRF	Ministry of Natural Resources and Forestry
MTCS	Ministry of Tourism, Culture and Sport
PCA	Potentially Contaminating Activity
PIC	Public Information Centre
PPS	Provincial Policy Statement
PSW	Provincially Significant Wetland
ROW	Right-of-Way
SAR	Species at Risk
SWPS	Stormwater Pumping station
TRCA	Toronto Region Conservation Authority
TSSA	Technical Standards and Safety Act

Executive Summary

The Region of Peel (Region) has undertaken a Municipal Class Environmental Assessment (Class EA) to select and develop a preferred location for the Finch Stormwater Pumping Station (SWPS).

This Class EA study follows the completion of a condition assessment at existing Finch SWPS, which identified an aging facility with assets in poor condition that does not meet the Region's design standards. Operational and maintenance challenges were also noted at the facility. Subsequently, the Region Stormwater Servicing Master Plan determined Finch SWPS is critical for flood prevention in the area and there are no other feasible alternatives; facility upgrades are needed to provide reliable flood protection and provide climate change resilience.

The focus of Phase 1 of the Municipal Class EA process is the development of a problem/opportunity statement that identifies the opportunities and challenges that are being addressed. Based on the Region's knowledge of the study area and facility upgrade needs, the problem/opportunity statement for the Finch SWPS Class EA is summarized as follows:

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.

Phase 2 of the Municipal Class EA process identifies alternative solutions to address the problem/opportunity by considering the existing natural, social, and economic environments. Through a rigorous evaluation process, a technically feasible solution is identified – one that reflects public and review agency input.

Through a multi-step process, the Region first identified a long list of alternative areas for the facility. This list was screened to develop a short list of alternative locations for the facility. Once the preferred facility location was determined, alternative access road alignments were evaluated. Alternatives were evaluated based on natural environment, social/cultural environment, technical and economic criteria.

The preferred solution is to construct a new control building adjacent to the existing wet well and construct a new wet well in this area to the north of the CN railway tracks and on the west side of Finch Avenue West. A new access road would be constructed starting from Finch Avenue West to the new facility, along existing Region property. The proposed location provides a centralized location for access to the facility, has minimal impacts on natural environment and does not require new property.

1. Introduction and Background

1.1 Background

The Region of Peel (Region) has retained GM BluePlan Engineering Limited (GM BluePlan) to undertake a Schedule 'B' Class Environmental Assessment (Class EA) for potential upgrades to the Finch Stormwater Pumping Station (SWPS) in Brampton, Ontario.

Located at 7848 Finch Avenue West, the Finch SWPS was constructed in 1984. This facility pumps stormwater from a local drainage area of approximately 0.62 ha that runs along approximately 250 m of Finch Avenue under a CN rail crossing, and discharges into a storm sewer on Finch Avenue. The SWPS reduces the risk of flooding along this portion of Finch Avenue and protects public safety.

The Finch SWPS requires upgrades to improve operator access, replace aging infrastructure and bring the station into compliance with current standards and regulations also considering increased frequency and duration of flooding events due to climate change. This Class EA will investigate alternative locations for the upgraded facility to improve flood protection for the community.

This Class EA study follows a condition assessment by GM BluePlan in 2015 and Pre-Design Report completed by Associated Engineering in 2020, which identified risks associated with the current station and proposed upgrades.

1.2 Study Purpose and Objectives

Since its construction, there has been a number of upgrades to the facility to prolong its operation; however, the facility is now reaching the end of its useful life. Multiple assets at the station are in poor condition, the wet well cannot be easily accessed, and the station does not meet current Region standards.

As such, the Region is undertaking a Class EA to determine the best approach to address future SWPS requirements and determine a preferred location for the facility.

1.3 Study Area

The study area is located in both the City of Brampton and City of Mississauga (lower tier municipalities) and Region of Peel (upper tier municipality). It is bordered by Kenview Boulevard to the north, Wet n' Wild Toronto access road to the east, Wildfern Drive and the boundary of the Granite property to the west and Brandon Gate Drive and Indian Line Campground to the south. Finch Avenue runs northwest-southeast through the study area and the CN Railway line runs northeast-southwest through the study area.

The study area, illustrated in **Figure 1**, presents the existing location of the control building and the wet well. The control building is within Region of Peel property, although the wet well is located on CN rail property. The Region's property runs along Finch Avenue, southeast of Kenview Boulevard.

The study area is intended to include the existing SWPS, along with neighbouring properties that may provide a suitable location for the SWPS or that may be impacted by construction of station upgrades. The study area is within the Toronto and Region Conservation Authority (TRCA) limits, with a portion of the study area to the northeast of Finch and the CN railing being within the TRCA regulated area.

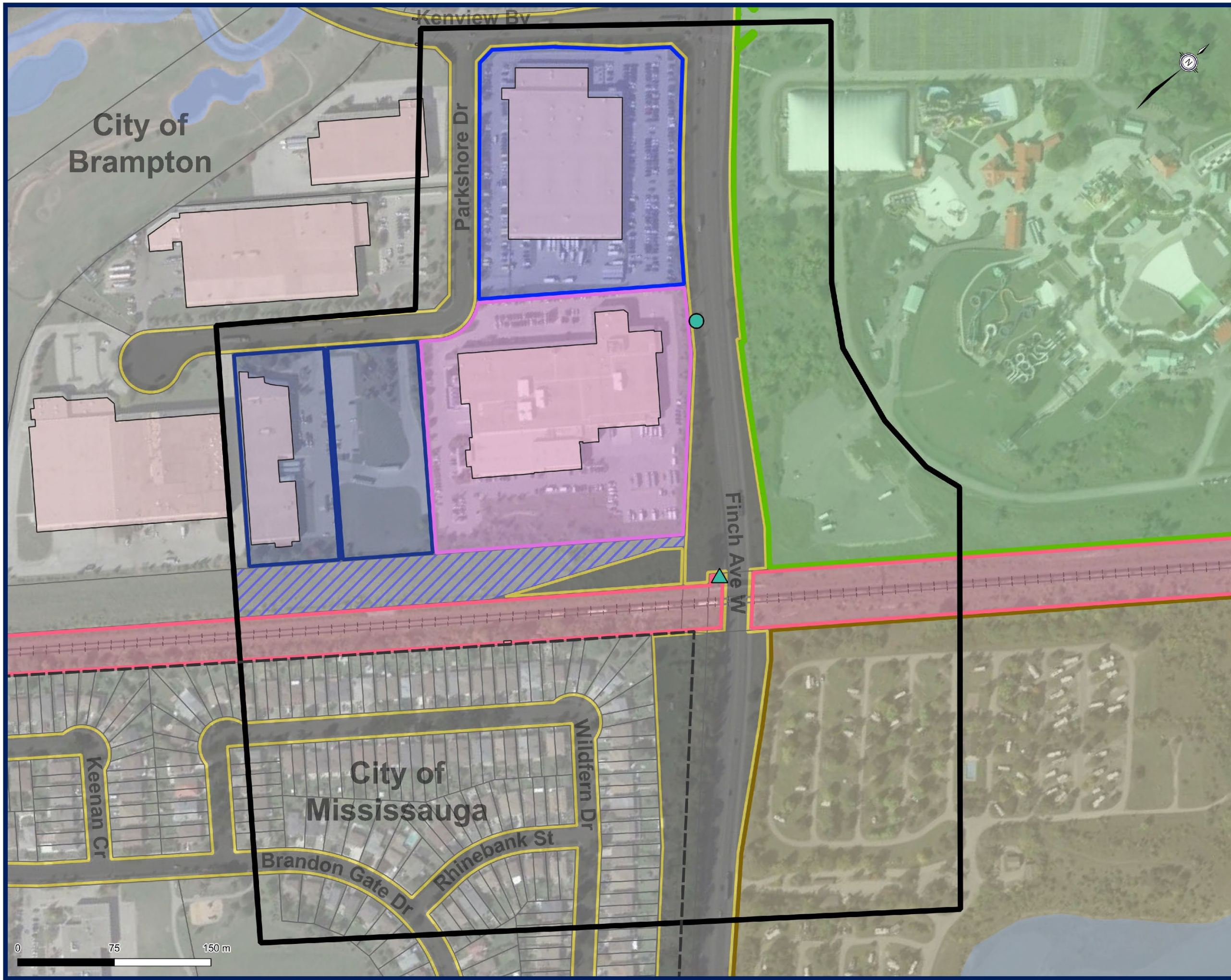
1.4 Existing Facility

The existing Finch SWPS has two pumps located in a circular pre-cast concrete wet well located within a grassed embankment along Finch Avenue near the CN rail line. The control building is located approximately 200 m to the northwest of the wet well, where operator vehicle parking is also located. The contributing flow is conveyed by a 600mm storm sewer that runs under the centre of Finch Avenue and collects stormwater within the drainage area through a series of catch basins. The station pumps through two ductile iron forcemains into a 900mm storm sewer. The design firm capacity, with one pump offline, is 41 L/s utilizing the low-flow pump to accommodate typical flows, while the high-flow pump adds an additional 160 L/s capacity bringing the total system flowrate to 201 L/s to accommodate a 1 in 10-year storm. The station does not have an overflow chamber and will flood overland onto Finch Avenue in the case of pump failure or if flows to the station exceed the pumping capacity.

1.5 Existing Service Area and Stormwater Infrastructure

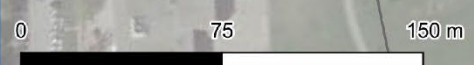
The drainage area for the Finch SWPS is 0.62 ha and consists of the section of Finch Avenue that runs approximately 125 m on either side of the underpass for the CN rail line that crosses Finch Avenue between Highways 407 and 427. Stormwater is pumped from the Finch SWPS into the 900 mm storm sewer that flows southeast along Finch Avenue. Stormwater flows from the private commercial properties in the west quadrant of the study area and drains in the opposite direction to the north into Mimico Creek.

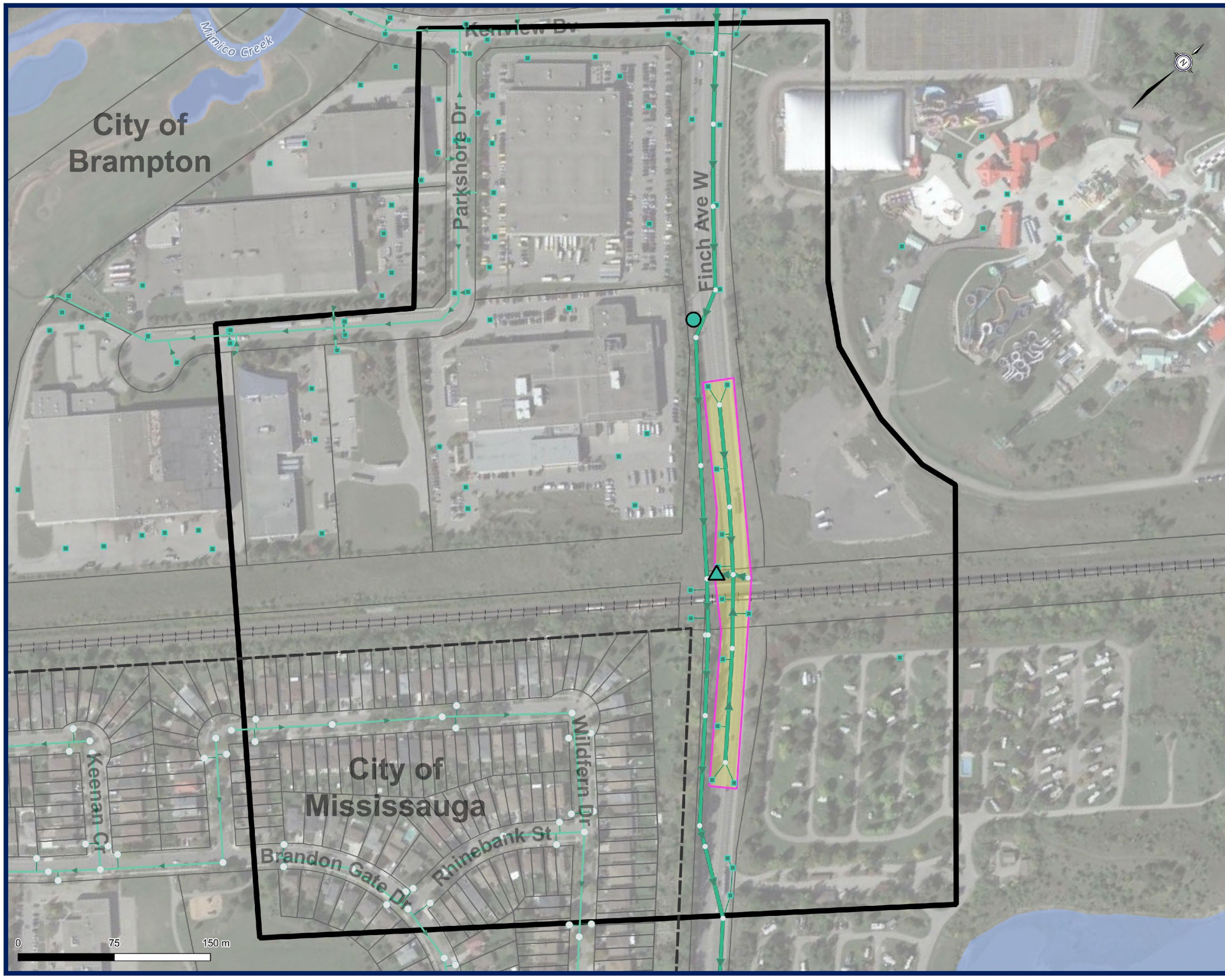
Figure 2 presents the existing stormwater infrastructure within the study area, with the Finch SWPS drainage area highlighted.



- Study Area
- Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Landownership**
- 100 Parkshore Drive
- CN Rail
- 18 Parkshore Drive
- 102 Parkshore Drive
- Private Campground
- TRCA / Claireville Conservation / Wet 'n' Wild Toronto
- Minister of Government Services (Crown)
- Region of Peel/Road Rights-of-Way
- General Features**
- Rail
- Building Footprint
- Parcel
- Waterbody and Watercourse
- Municipal Boundary

Figure 1
Study Area





- Study Area
- Existing Stormwater Infrastructure**
- ▲ Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Stormwater Catch Basin
- Maintenance Holes
- Trunk Stormwater Sewer
- Stormwater Gravity Main
- Stormwater Lateral
- Drainage Area
- General Features**
- Rail
- Parcel
- Waterbody and Watercourse
- Municipal Boundary

Figure 2
**Existing Stormwater
Infrastructure and Finch SWPS
Drainage Area**

1.6 Project File Outline

Documentation of the Schedule 'B' Municipal Class EA process is contained within this Project File. Key elements of the Class EA process, as documented in this report, include:

- Summary of the Municipal Class EA process (**Section 2**)
- Public and agency consultation undertaken throughout the project (**Section 3**)
- Related studies and background review (**Section 4**)
- Existing conditions of the study area (**Section 5**)
- Overview of the challenges and opportunities that exist within the study area (**Section 6**)
- Identification and evaluation of potential facility locations to address the problem and opportunity, and recommendation of a technically feasible solution (**Section 7**)
- Potential impacts and mitigation measures associated with the recommended solution (**Section 8**)
- Permits and approvals anticipated in advance of implementing the recommended solution (**Section 9**)
- Conclusions and follow-up commitments for the design and construction of the recommended solution (**Section 10**)

Appendices

Appendix A - Engagement with Indigenous Communities

Appendix B - Stakeholder Consultation

Appendix C - Evaluation of Alternatives

Appendix D - Natural Environment Report

Appendix E - Archeological Assessment Stage 1 Report

Appendix F - Cultural Heritage Report

Appendix G - Environmental Assessment Phase 1 Report

2. Class Environmental Assessment Process

2.1 Class Environmental Assessment Process

This Class EA study was completed as a Schedule 'B' undertaking in accordance with the requirements of the Municipal Class Environmental Assessment process (October 2000, as amended in 2007, 2011, 2015, and 2023). The Class EA process includes public and review agency consultation, indigenous engagement, evaluation of alternatives, an impact assessment of the recommended alternative, and identification of measures to mitigate potential adverse effects.

2.1.1 Class Environmental Assessment Act

Ontario's Environmental Assessment Act (EAA) was passed in 1975 and was proclaimed in 1976. The EAA requires proponents to examine and document the environmental effects that could result from major projects or activities and their alternatives. Municipal undertakings became subject to the EAA in 1981.

The EAA's comprehensive definition of the environment is:

- Air, land or water;
- Plant and animal life, including human life;
- The social, economic and cultural conditions that influence the life of humans or a community;
- Any building, structure, machine or other device or thing made by humans;
- Any solid, liquid, gas, odour, heat, sound, vibration, or radiation resulting directly or indirectly from human activities; and,
- Any part of combination of the foregoing and the interrelationships between any two or more of them, in or of Ontario.

The purpose of the EAA is the betterment of the people of the whole or any part of Ontario by providing for the protection, conservation, and wise management of the environment in Ontario.

2.1.2 Principles of Environmental Planning

The EAA sets a framework for a rational, objective, transparent, replicable, and impartial planning process based on the following five key principles:

- **Consultation with affected parties.** Consultation with the public and government review agencies is an integral part of the planning process. Consultation allows the proponent to identify and address any concerns cooperatively before final decisions are made. Consultation should begin as early as possible in the planning process.
- **Consideration of a reasonable range of alternatives.** Alternatives include functionally different solutions, "alternatives to" the proposed undertaking and "alternative methods" of implementing the preferred solution. The "do nothing" alternative must also be considered.
- **Identification and consideration of the effects of each alternative on all aspects of the environment.** These aspects include the natural, social, cultural, technical and economic environments.
- **Systematic evaluation of alternatives in terms of their advantages and**

disadvantages to determine their net environmental effects. The evaluation shall increase in the level of detail as the study moves from the evaluation of “alternatives to” to the evaluation of “alternative methods”.

- **Provision of clean and complete documentation of the planning process followed to allow “traceability” of decision-making with respect to the project.** The planning process must be documented in such a way that it may be repeated with similar results.

2.1.3 Class Environmental Assessment


Class EAs were approved by the Minister of the Environment in 1987 for municipal projects having predictable and mitigable impacts. The Municipal Class EA process was revised and updated in 1993, 2000, 2007, 2011, 2015, and 2023. The Class EA approach streamlines the planning and approvals process for municipal projects that are:

- Recurring;
- Similar in nature;
- Usually limited in scale;
- Predictable in the range of environmental impacts; and,
- Responsive to mitigation.

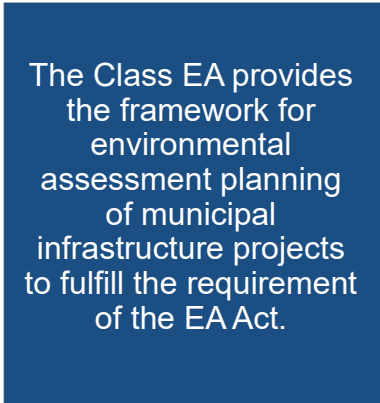
The Municipal Class Environmental Assessment, prepared by the Municipal Engineers Association (October 2000, as amended in 2007, 2011, 2015 and 2023) outlines the procedures to be followed to satisfy Class EA requirements for water, wastewater, stormwater management and road projects. The process includes five phases:

- **Phase 1:** Problem or Opportunity Definition;
- **Phase 2:** Identification and Evaluation of Alternative Solutions to determine a preferred solution while taking input from the public and other stakeholders into consideration;
- **Phase 3:** Examination of Alternative Methods of implementation of the preferred solution while taking input from the public and other stakeholders into consideration;
- **Phase 4:** Documentation of the Class EA process in the form of an Environmental Study Report (ESR) for public review; and
- **Phase 5:** Implementation and Monitoring.

Public and agency consultation are integral to the Class EA planning process. Projects subject to the Class EA process are classified into following four “schedules” depending on the degree of the expected impacts. **Figure 3** illustrates the Municipal Class EA planning and design process as approved March 1, 2023.



THE CLASS EA – A FRAMEWORK FOR ENVIRONMENTAL PLANNING



The Class EA provides the framework for environmental assessment planning of municipal infrastructure projects to fulfill the requirement of the EA Act.

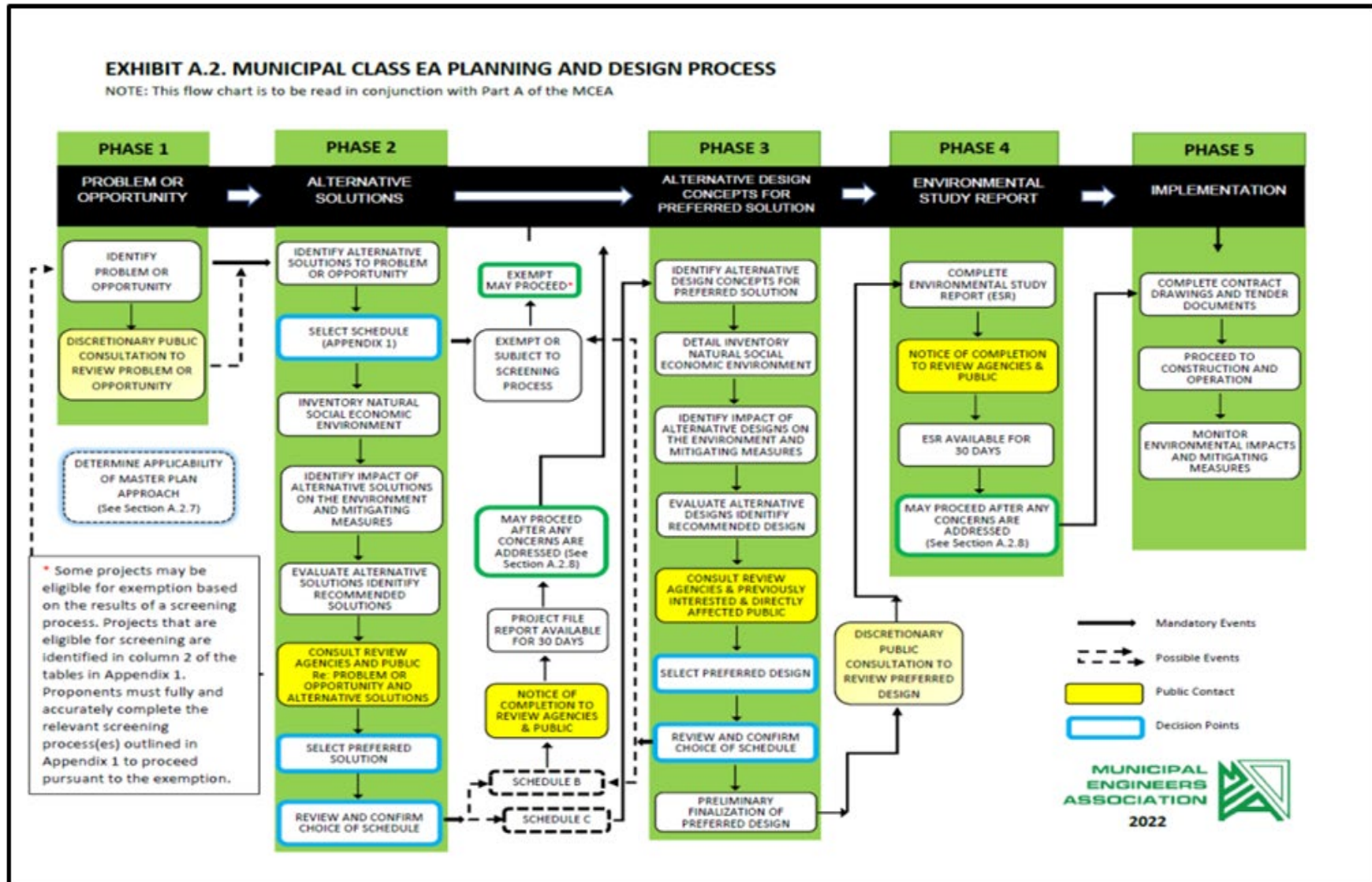


Figure 3: Municipal Class EA process, approved March 1, 2023

Exempt Projects (Formerly known as Schedule A and A+ Projects): these projects are minor or emergency operational and maintenance activities. These projects are typically smaller in scale and do not have a significant environmental effect. These projects are exempt from Ontario’s EA Act and are pre-approved; however, the public is to be advised prior to the project implementation for those projects formerly categorized as Schedule A+.

Projects Eligible to be Screened to Exemption: these projects are eligible for exemption based on the results of a screening process. There are two screening processes identified in the Municipal Class EA process:

- Collector Road Screening Process (CR)
- Archaeological Screening Process (ASP)

If the screening process determines that the project is not exempt, the applicable Schedule B or C assessment process must be completed. Proponents can also choose at the outset of the project to not follow a screening process and just complete the applicable Schedule B or C process.

Schedule ‘B’ projects require a screening of alternatives for their environmental impacts and Phases 1 and 2 of the planning process must be completed (refer to **Figure 4**). The proponent is required to consult with the affected public, relevant review agencies, and engage Indigenous Communities and other stakeholders. If there are still outstanding issues after the public review period, requests may be made to the Minister of the Environment for a Section 16 Order (formerly known as a Part II Order). A Section 16 Order is also known as bumping-up the project to a Schedule C Class EA or an Individual EA. Provided that no significant impacts are identified and no requests for a Section 16 Order are received, once a Schedule B project is approved, work may proceed directly to implementation.

Schedule ‘C’ projects must satisfy all five phases of the Class EA process. These projects have the potential for greater environmental impacts. Phase 3 involves the assessment of alternative methods of carrying out the project, as well as public consultation on the preferred conceptual design. Phase 4 normally includes the preparation of an Environmental Study Report (ESR) that is filed for public review. Provided no significant impacts are identified, and no requests for Section 16 Orders are received, once a Schedule C project is approved, work can proceed directly to implementation.

Given the nature of this project, the Municipal Class EA for the Finch SWPS is classified as a Schedule ‘B’ undertaking and includes Phases 1 and 2 of the Class EA process.

Figure 4 illustrates the Municipal Class EA planning and design process with the phases required for each schedule.



Figure 4: Schedule 'B' class EA Process.

3. Indigenous Engagement

The Crown has a legal obligation to consult with Indigenous rights-holders, where decisions or actions contemplated may adversely impact asserted or established treaty rights.

The Region received a list of Indigenous Communities from the Ministry of the Environment, Conservation and Parks (MECP) with treaty rights or interest within the study area. The following Indigenous Communities were engaged to participate in the study:

1. Mississaugas of the New Credit First Nation
2. Six Nations of the Grand
3. Haudenosaunee Confederacy Chiefs Council (HCCC) including Haudenosaunee Development Institute (HDI)
4. Huron-Wendat Nation

Personalized letters were sent to the Indigenous Communities identified above with a summary of the Class EA study and offer to participate in the Stage 2 Archeological Assessment (refer to **Appendix A**). All other communications are also summarized in **Appendix A**.

Six Nations of the Grand, Haudenosaunee Development Institute, and Mississaugas of the New Credit First Nations requested to participate in the Stage 2 Archeological Assessment. The Region will ensure these communities are provided the opportunity to participate in the Stage 2 Archeological Assessment, which must proceed prior project implementation.

4. Stakeholder and Public Consultation

Public consultation is an integral component of the Class EA process, enabling the Region to inform the public about the study while eliciting input from potentially interested and affected parties during the study process.

The primary goals of the public consultation process are to:

- Meet and exceed legislative requirements for Schedule 'B' Class Environmental Assessment communications and consultation,
- Build awareness and understanding of EA study and purpose, and
- Promote active public participation in Public Information Centre (PIC)

At the outset of the public consultation process, the Region developed a Communication and Consultation Plan tailored to this study. The plan approach is to encourage two-way communication with the community, regulatory agencies, and Region staff. More specifically, the plan was designed to:

- Build on past communication protocols and consultation plans from previous Class EAs and municipal planning initiatives - to ensure consistency and continuity,
- Ensure the general public, local councillors, stakeholders, external agencies (including federal, provincial and regional) and special interest groups had an opportunity to participate in the study process,
- Ensure that relevant information was provided to interested and affected stakeholders early and often throughout the planning process, and
- Make contact with external agencies to obtain legislative or regulatory approvals, and to collect pertinent technical information.

In order to comply with the Municipal Class EA process, the Region hosted a Public Information Centre to elicit input on the study process and the preliminary preferred infrastructure solution for the Finch SWPS upgrades. Complete documentation of the consultation and communication program is provided in **Appendix B**.

4.1 Communication and Consultation Summary

4.1.1 Contact List

A list of stakeholders, review agencies and other interested parties was developed at the outset of the study to invite participation in the planning process. The contact list was updated throughout the study as more individuals became aware of the study or provided feedback.

4.1.2 Notice of Commencement and Public Information Centre

The Notice of Commencement and PIC, provided in **Appendix B**, was published and distributed on May 18, 2023. The notice was made public and shared with key stakeholders by the following means:

- Published on the Region of Peel EA project website (<https://www.peelregion.ca/public-works/environmental-assessments/brampton/finch-stormwater.asp>),
- Mailed/ e-mailed to the stakeholders listed in the contact list,

- Advertised in the Mississauga News, the Brampton Guardian, and Etobicoke Guardian newspapers.

The study’s PIC was intended to elicit input on the Class EA process, constraints and opportunities, alternative concepts, evaluation criteria, and the technically feasible solution. The PIC was presented virtually as a pre-recorded presentation uploaded to the Region’s website and was available for public comment for a period of two weeks. **Table 1** presents the key information regarding the PIC.

Table 1: PIC Event Information

PIC Activities	Timeline
Stakeholders notified of PIC	May 18, 2023
PIC materials posted to project website	June 1, 2023
Review and questions/feedback period	June 1 to June 15, 2023
Responses to questions and comments posted	None received

Representatives from the Region of Peel and its engineering consultant, GM BluePlan, developed the PIC materials and were available to respond to any questions and comments submitted. The Notice of PIC, presentation slides and materials are provided in **Appendix A**.

4.1.3 Comments Received

There were no stakeholder comments or questions submitted during the PIC feedback period. At the end of the PIC review period, the PIC video posted on YouTube had 48 views. Consultation with stakeholders was also completed outside of the PIC timeframe and resulted in higher level feedback on the traffic needs of adjacent businesses and construction considerations. Details on stakeholder consultations are provided in the Stakeholder Communications Log and Meeting Minutes in **Appendix B**.

4.1.4 Notice of Completion

The Notice of Completion was distributed to local stakeholders on November 6, 2023.

Key stakeholders and the residents were informed of the Notice of Completion by the following means:

- Published on the Region of Peel EA project website (<https://www.peelregion.ca/public-works/environmental-assessments/brampton/finch-stormwater.asp>),
- Mailed/ e-mailed to the stakeholders listed in the contact list, and
- Advertised in the Mississauga News, the Brampton Guardian, and Etobicoke Guardian newspapers.

5. Related Work and Studies

5.1 Finch SWPS Condition Assessment

A condition assessment of Finch SWPS was completed by GM BluePlan Engineering in 2015, which evaluated the condition of assets, historical performance, and code compliance of the station to provide facility upgrade recommendations.

In 2015, the Finch SWPS was found to be in overall fair condition with some damage and corrosion. Several assets typically installed at pumping stations were not present including air valves, surge valves, a flow meter, pipe pressure instruments, and plumbing. Access to the building and wet well were found to be a significant operational challenge. The station was found to be largely non-compliant with the Region of Peel Wastewater Pumping Station Design Standards (2012) with only about 10% of items meeting compliance. The wet well did not fully conform with the Occupational Health and Safety Act. None of the Ontario Electrical Safety Code (2012) items were met. A large number of compliance items from the Technical Standards and Safety Act (TSSA) and Ontario Installation Code for Oil Burning Equipment (CSA B.139-ON-2006) were not met.

The major upgrade recommendations of the report were to provide vehicular access to the wet well, upgrade the building to meet compliance, and replace or add wet well valves.

5.2 Control Building Upgrades

In 2016, fuel system upgrades were completed for the backup power (generator) system at Finch SWPS to address non-compliance items. The work included replacing the diesel fuel tank and associated accessories and the installation of a new fuel fill box and platform. Upgrades to the control system were also completed in 2016, which included a new security system and control panels.

5.3 Finch SWPS Pre-Design

A pre-design report for the Finch SWPS was completed in June 2020 to identify technically feasible facility upgrades to be undertaken. The report identified the following facility upgrades: construction of new valve chamber with flow metering; pump replacement; construction of new control/generator building with associated equipment; provision of an access path and parking for vehicles; demolishing of the existing building; and wet well refurbishment. Applicable standards and codes for each upgrade component are identified in the report.

The pre-design report identifies key construction considerations, which include: providing construction traffic temporary access through nearby privately-owned properties; implementation of measures to protect the nearby high pressure gas lines; need for temporary pumping equipment while the station is out of service; and potential lane closures.

5.4 Designated Substances Survey

A Designated Substances Survey of the station was completed in December 2022. The investigation found non-friable asbestos containing materials within the control building caulking surrounding the air intake louver. Lead paint was also identified on the grey control panels. The emergency lights are suspected to contain a lead-acid battery.

5.5 Region of Peel Stormwater Servicing Master Plan

The Region's Stormwater Servicing Master Plan for Regional Roads completed public review in December 2022; the study is still in progress. The draft Master Plan provides a strategic, economical, and optimized vision to guide the Region's management of stormwater assets into 2041. The planning process provides the Region with the information needed to develop appropriate solutions to service current and future growth that also addresses existing issues and the expected impacts of climate change.

An assessment was performed in May 2021 to determine if any practical or achievable alternatives were available outside of the pumping station upgrades. Alternative discharge locations and conveyance alignments were explored as methods to decommission the pumping station. This analysis determined that there are no apparent practical alternatives to a pumping station in this location due to the elevation of the contributing drainage area and the elevation of nearby potential outfall locations. As such, the pumping station is a crucial component of the stormwater system which cannot be replaced by gravity sewers. The analysis included modelled results utilizing future climate change storm event scenarios to ensure that the proposed pump upgrades account for increased rainfall intensity due to climate change. Under existing conditions, the pumping station does not meet the modelled capacity for the 10-year peak flow. A further modeling study was therefore completed in May 2023, which concluded that flood risk for a 10-year storm is low at the current station capacity, which meets the required level of service. However, because the station is crucial to the stormwater system, upgrades to the pumping station to ensure the future reliability and maintainability of this station would ultimately make the system and section of Regional Road more resilient to climate change.

5.6 Finch Road Resurfacing and Multi-Use Path Project

The Region is currently planning a road resurfacing and multiuse trail project, which will involve the installation of a new trail along Finch Avenue West adjacent to the existing stormwater pumping station. The timeline for this project is expected to be similar to the Finch SWPS upgrades and will likely have overlapping construction areas. The project is in the design stage and details are currently being developed. Coordination of projects will be required.

6. Existing Conditions

The following provides an overview of the existing and planned land uses, policies affecting the study area, and planning and servicing considerations that could potentially affect future infrastructure improvements. The baseline studies and existing conditions fieldwork were primarily completed for the Finch SWPS study area as a means to understand the potential effects associated with the various servicing strategies.

6.1 Planning and Servicing Considerations

6.1.1 Existing Land Use Zoning

The study area consists of primarily industrial, residential, open space, and utility land use as defined in the lower tier municipalities' (City of Brampton and City of Mississauga) zoning by-laws. A small strip of land parallel to the railway is zoned as agricultural land. The Region of Peel property within the study area is zoned industrial.

6.1.2 Region of Peel Official Plan

The City of Brampton and City of Mississauga are local area municipalities located within the Region of Peel. The Regional Official Plan (April 2022) is a guidance document to plan for the future growth and change within the Region to 2051.

According to the Regional Official Plan, the Region of Peel population and employment forecasts are as follows:

Table 2: Population and Employment Forecasts

Year	Population	Employment
2021	1,578,000	736,000
2031	1,829,000	862,000

The Region's strategic growth plan is focused on urban intensification; however, urban intensification is not planned near the Finch SWPS and catchment area.

Under the Region's Official Plan, stormwater management objectives include *“to ensure that adverse drainage impacts to Regional road rights-of-way will not occur as a result of stormwater flows from adjacent lands”*. The Finch SWPS upgrades support this objective and is in line with the official policy to *“develop and implement stormwater management programs which address policy, planning, design, operations, and maintenance requirements for the provision of stormwater services to local communities.”*

The Official Plan's Source Water Protection objective is to protect the quantity and quality of existing and future drinking water sources from incompatible land uses and significant drinking water threats. Based on the assessment completed on the Brampton and Mississauga planning website, the study area is not located within Wellhead Protection Areas, Highly Vulnerable Aquifers, Intake Protection Zones, or Significant Ground Water Recharge Areas.

The Official Plan Greenlands System objective is to protect and enhance the long-term ecological function and biodiversity of the Greenlands System, also known as the natural heritage system. The policy includes recognizing linkages between and among

natural heritage features and areas, surface water features and ground water features. The study area does not include a Greenlands System area; however, it is noted the nearby area at the Claireville Reservoir to the northeast of the study area is part of the system.

6.1.3 City of Brampton Official Plan

The City of Brampton Official Plan (October 2006) provides a comprehensive land use strategy within the city boundaries to 2031. The City of Brampton is currently in the process of reviewing and adopting a new plan. The Official Plan designates the study area land uses as industrial, utility, and open space areas. Under the Official Plan, the infrastructure policies include the installation and maintenance of storm sewers, stormwater management facilities and related infrastructure.

6.1.4 City of Mississauga Official Plan

The City of Mississauga Official Plan provides a comprehensive growth and development strategy within the city boundaries to 2031. The City of Mississauga is currently in the process of reviewing and adopting a new plan. The Official Plan designates the southwestern portion of the study area, which is part of Mississauga, as low-density residential land use.

6.1.5 Provincial Policy Statement

The 2020 Provincial Policy Statement is issued under section 3 of the Planning Act. The latest version of the Provincial Policy Statement came into effect on May 1, 2020. It provides policy direction on matters of provincial interest related to land use planning and development. As a key part of Ontario's policy-led planning system, the Provincial Policy Statement (PPS) sets the policy foundation for regulating the development and use of land (OMMAH, 2020). The policies of the PPS may be complemented by provincial plans or by locally generated policies regarding matters of interest.

Key policies relevant to planning for stormwater infrastructure and public service facilities are as follows:

Policy 1.6.1

Infrastructure and public service facilities shall be provided in an efficient manner that prepares for the impacts of a changing climate while accommodating projected needs.

Planning for infrastructure and public service facilities shall be coordinated and integrated with land use planning and growth management so that they are:

- a) financially viable over their life cycle, which may be demonstrated through asset management planning; and
- b) available to meet current and projected needs.

Policy 1.6.3

Before consideration is given to developing new infrastructure and public service facilities:

- a) the use of existing infrastructure and public service facilities should be optimized; and
- b) opportunities for adaptive re-use should be considered, wherever feasible.

Policy 1.6.6.7

Planning for stormwater management shall:

- a) be integrated with planning for sewage and water services and ensure that systems are optimized, feasible and financially viable over the long term;
- b) minimize, or, where possible, prevent increases in contaminant loads;
- c) minimize erosion and changes in water balance, and prepare for the impacts of a changing climate through the effective management of stormwater, including the use of green infrastructure;
- d) mitigate risks to human health, safety, property and the environment;
- e) maximize the extent and function of vegetative and pervious surfaces; and
- f) promote stormwater management best practices, including stormwater attenuation and re-use, water conservation and efficiency, and low impact development.

6.1.6 Toronto and Region Conservation Authority Regulated Areas

In accordance with Ontario Regulation 166/06, TRCA regulates areas where development could be subject to flooding, erosion or dynamic beaches, and where interference with wetlands and alterations to shorelines and watercourses might adversely affect those environmental features. A portion of the study area to the northeast of Finch Avenue West is within the TRCA regulated floodplain. The current location of the pumping station is not located within the floodplain. Any proposed works in TRCA regulated lands must be approved by TRCA.

6.2 Natural Environment / Ecology

The detailed Natural Environment report is provided in **Appendix D**. A summary of the primary natural environmental and ecological features is provided below.

6.2.1 Water Courses and Wetlands

The study area is adjacent to the West Humber River and contains a small area that falls within the Greenbelt Land Use Designation of “Urban River Valley”. This designation is subject to specific policies within the Greenbelt Plan and the Greater Golden Horseshoe Growth Plan (2020).

A small treed wetland south of the Canadian Blood Services building was identified. This unevaluated wetland may qualify as a Natural Area and Corridors per Region of Peel Official Plan, and a Natural Heritage Feature per City of Brampton Official Plan. The wetland would also be subject to TRCA Ontario Regulation 42/06.

6.2.2 Significant Woodlands

There are no significant woodlots occurring on site. No further consideration of impacts to significant woodlands is required.

6.2.3 Plant Communities

Plant communities within the eastern quadrant of the study area were evaluated. TRCA designates Regional Species of Conservation Concern, which are species within TRCA jurisdiction that may not currently be rare but are flagged as at risk in the long term as they are highly sensitive to habitat loss and disturbances. Two regionally rare plants

were observed within the study area: Frost Aster and Smooth Aster. These species are designated by TRCA as “L3 - Species of Regional Conservation Concern”, which means they are generally less sensitive and more abundant than L1 and L2 ranked species. Pumping station upgrades are not proposed within this area.

6.2.4 Wildlife

Wildlife within the study area were identified to be primarily common, disturbance-tolerant species. The Willow Mineral Deciduous Swamp located south of the Canadian Blood Services property was identified as a potentially Significant Wildlife Habitat due its potential as a suitable bat maternity roosting habitat.

6.2.5 Environmentally Sensitive Areas and Areas of Natural and Scientific Interest

Areas of Natural and Scientific Interest (ANSIs) are lands and waters with features that are important for natural heritage protection, appreciation, scientific study or education, and are designated by the province according to standardized evaluation procedures. ANSIs are ranked by the Ministry of Natural Resources and Forestry (MNR) as being either provincially or regionally significant. As per the MNR Natural Heritage Area online map, the study area does not include ANSIs.

6.2.6 Species at Risk

Based on the desktop assessment, 14 historical plant, animal and insect species at risk (SAR) were assessed to have occurrences within 1 km of the study area: Barn Swallow, Bobolink, Canada Warbler, Eastern Meadowlark, Eastern Wood-pewee, Wood Thrush, Monarch, Little Brown Bat, Northern Long-eared Bat, Small-footed Bat, Tri-colored Bat, Butternut, Snapping Turtle, and Northern Map Turtle.

No SAR were observed during field investigations by WSP (Golder) in 2022.

6.2.7 Source Water Protection

Based on the assessment completed on the MECP's Source Protection Information Atlas web page, the study area is not located within a Wellhead Protection Area or Intake Protection Area.

6.2.8 Potential for Previous Environmental Impacts

The Phase One Environmental Site Assessment (ESA) determined that groundwater flow at the study area is inferred to be in an easterly to southeasterly direction. The surficial soils in the study area consist primarily of Glaciolacustrine Deposits, with Halton Till reported to the northeast, and Modern Alluvium deposits reported to the southwest of the site.

The Phase One ESA completed for the proposed facility location determined Potentially Contaminating Activities (PCAs) are/were present at the site or vicinity and are considered to form Areas of Potential Environmental Concern (APECs). All properties within the study area were found to have fill of unknown quality and general industrial use, which can potentially impact soil and groundwater with contaminants. The adjacent CN railway and Canadian Blood Services parking lot could also be a source of soil and groundwater contamination.

6.3 Physical Environment

The study area is located in the physiographic region known as the Peel Plain, composed of widespread beds of stoneless varved clay soils over till soils. The till in this region is known to contain large amounts of shale and limestone. The region is characterized by a gradual and fairly uniform slope toward Lake Ontario with elevations ranging from 228 to 152 m above sea level.

The study area's native soils consist mostly of clay with some occurrence of sandy gravel, sand, and silt till underlain by shale bedrock at approximately 11 to 12 metres below ground surface. The shallow groundwater flow is inferred to be towards the Claireville Reservoir and the West Humber River.

6.4 Existing Road Network and Trails

The existing station is located on the southwest side of Finch Avenue West, which is a high traffic roadway connected to nearby industrial properties, including DHL Express. The road has a high number of transport vehicles. The site is located near Highway 427 and Highway 407. Several parking lots are located nearby at the Wet n' Wild, Canadian Blood Services, and DHL Express properties. There is no existing pedestrian sidewalk or multi-use trail on the pumping station side of Finch Avenue; however, pedestrian use of the paved curb was observed.

6.5 Existing Utilities

There is an active Extra High Pressure Enbridge gas main located within the proposed pumping station upgrade location. The gas main runs parallel to and north of the CN railway.

6.6 Existing Municipal Infrastructure

There are existing watermains, stormwater sewers, and sanitary sewers within the study area. The watermains and sanitary sewers are located along Parkshore Drive, Kenview Boulevard., Brandon Gate Drive, and Wildfern Drive. Stormwater sewers are located along Finch Avenue Gravity sewers on Finch Avenue near the CN Railway underpass convey stormwater to the pumping station and consist of a 1200 mm and 300 mm concrete pipe on the northwest and southeast side of the underpass, respectively. The Finch Stormwater Pumping Station pumps flow via a 150 mm and 250 mm forcemain to a concrete gravity storm sewer on the southwest side of the Finch Avenue ROW.

6.7 Archaeological Assessment

A Stage 1 Archaeological Assessment of the study area was conducted in October 2022. The Ontario Archaeological Sites Database specified a total of 95 registered archaeological sites within a 1 km radius of the study area. There are no archaeological sites within 300 m of the Study Area.

A Stage 1 property inspection was also conducted at the study area to document whether the study area has archaeological potential and determine the need for a Stage 2 assessment. Based on the results of this assessment, areas identified as having archaeological potential should be subject to Stage 2 Archaeological Assessment survey prior to ground disturbing activities associated with the proposed upgrades. The detailed Stage 1 Archaeological Assessment is provided in **Appendix E**.

6.8 Cultural Heritage Resources

A Cultural Heritage Screening was completed; the report is provided in **Appendix F**. Based on the desktop study and site visit conducted by WSP in October 2022, the following was concluded:

- There are zero (0) Built Heritage Resources and zero (0) Cultural Heritage Landscapes with known or potential cultural heritage value or interest within the Study Area.
- Preliminary impact assessment determined that there will be no impacts to potential heritage resources.

Based on the results of this assessment and stakeholder feedback, no further cultural heritage studies are required.

7. Phase 1 – Problem / Opportunity

7.1 Problem/Opportunity Statement

The focus of Phase 1 of the Municipal Class EA process is the development of a problem/opportunity statement that identifies the opportunities and challenges that are being addressed.

The problem/opportunity statement for the Finch Stormwater Pumping Station Class EA is summarized as follows:

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 evaluates alternative locations for the upgraded facility, with consideration for social, environmental, regulatory, and cost impacts, along with technical feasibility.

8. Phase 2 – Alternative Solutions to the Problem / Opportunity Statement

8.1 Overview

Phase 2 of the Class EA process identifies alternative solutions to address the problem or opportunity by considering the existing natural, social, and economic environments. Through a rigorous evaluation process, a technically feasible solution is identified - one that reflects public and review agency input.

8.2 Evaluation Methodology

A multi-step evaluation process is used to determine the preferred alternative to address the problem and opportunity statement. First, a long list of general areas within the study area that could potentially site the facility are identified. A screening level evaluation is then used to screen out alternative locations that do not meet specific screening criteria, using a Pass/Fail system. The screening criteria are intended to eliminate alternatives that have significant barriers to implementation.

Next, a short list of locations for a new control building are identified within all areas that passed the screening level evaluation. A detailed evaluation is completed on each of these building locations using a multi-criterion approach considering Environmental, Socio-Cultural, Technical Feasibility and Economical considerations.

After the preferred facility location is determined, alternatives are developed for an access road route to the facility, and a similar multi-criterion detailed evaluation is completed. Each criteria category is weighted equally. Refer to **Figure 5** below for a summary of the evaluation approach.

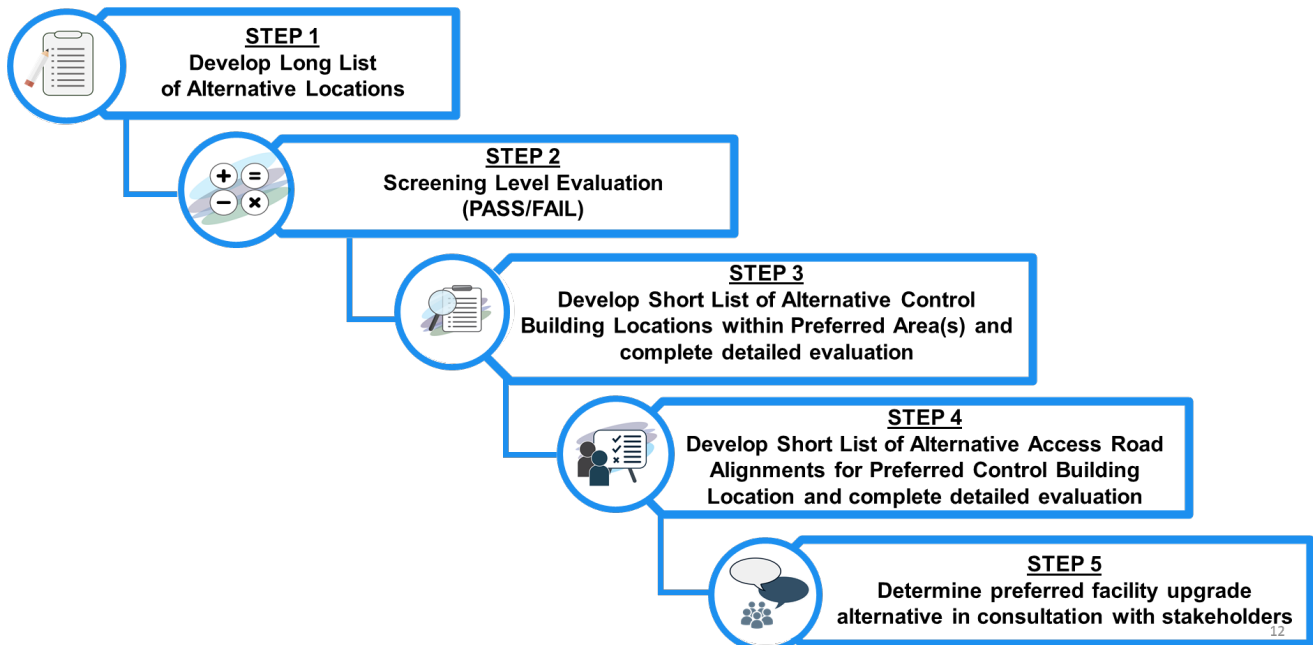












Figure 5: Evaluation Methodology

8.3 Long List of Stormwater Pumping Station Facility Alternative Locations

Within the study area, there are several general areas that could be suitable for siting the SWPS. The facility should be located close to the drainage area that it serves. The study area was divided into four quadrants, based on relative location to the intersection of Finch Avenue and the CN railway. Within each quadrant, four general areas that could be developed were defined as noted below, and in **Figure 6**.

- **Alternative A:** Area Located southwest of Finch Avenue West, northwest of CN Railway and southeast of Kenview Boulevard, along Region property and road ROW, and grassed corridor between private commercial properties and rail line
- **Alternative B:** TRCA regulated lands on Wet'n'Wild Toronto property directly northeast of Finch Avenue and northwest of CN Railway
- **Alternative C:** Naturalized area of Indian Line Campground and ROW to the northeast of Finch Avenue and southwest of campsites, and the area southeast of the CN railway and northwest of the campsites.
- **Alternative D:** Area southwest of Finch Avenue and southeast of CN Railway behind residential properties

-  Study Area
 -  Alternative Areas
 -  Existing Finch Stormwater Pumping Station Wet Well
 -  Finch Stormwater Pumping Station Control Building
- General Features**
-  Rail
 -  Building Footprint
 -  Parcel
 -  Region of Peel/Road Rights-of-Way
 -  Waterbody and Watercourse
 -  Municipal Boundary

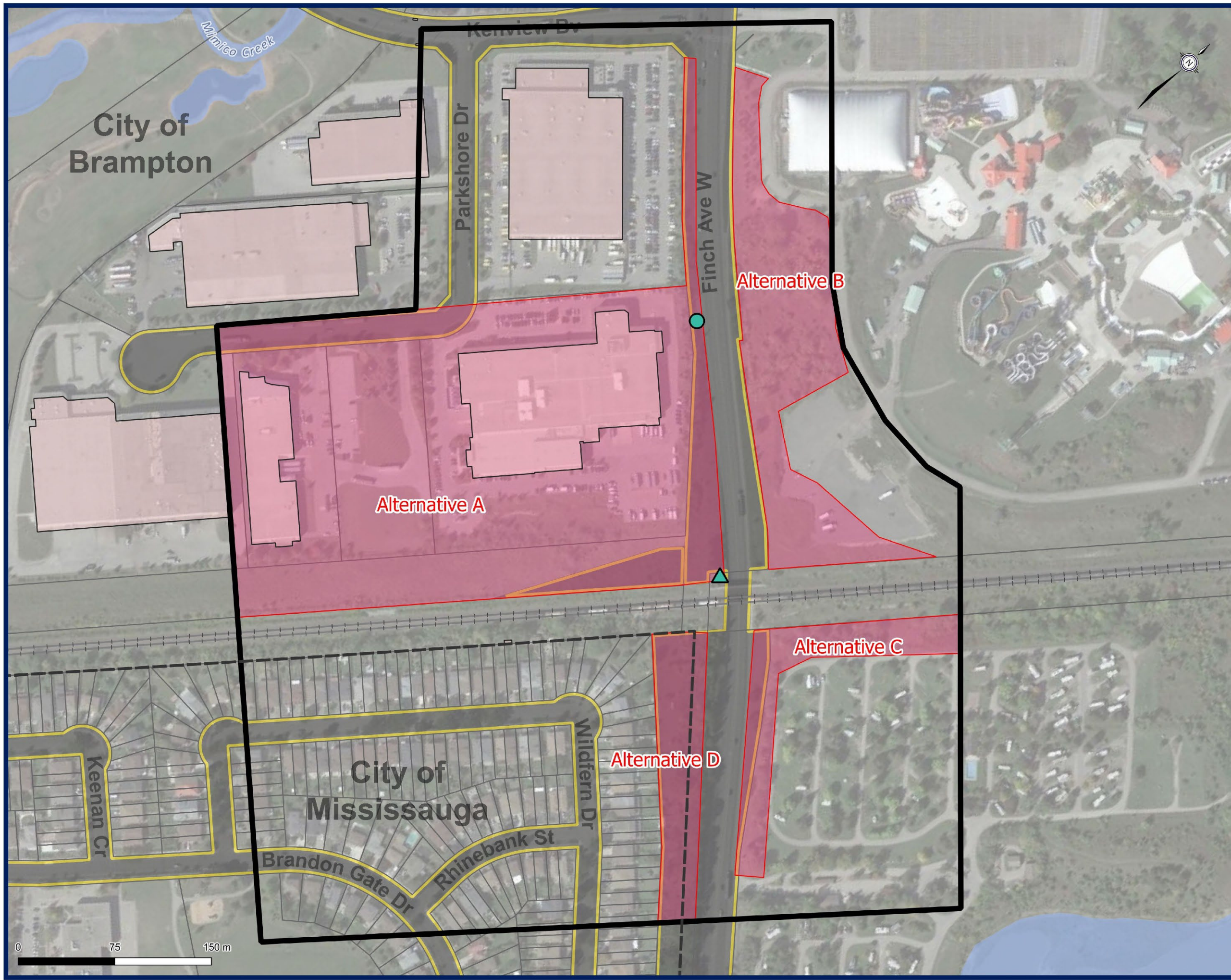


Figure 6
New Relocated Stormwater Pumping Station Alternative Areas

8.4 Screening of Long List of Facility Locations

Screening criteria were developed to determine which areas could potentially meet project needs as described in the Problem and Opportunity statement. Alternatives that did not meet all the of minimum screening level criteria (answer 'Yes' to any of the criteria below) are screened out. **Table 3** identifies the results of the screening level evaluation.

Table 3: Screening of Alternative Facility Location Areas

Screening Criteria	Alternative A	Alternative B	Alternative C	Alternative 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

Of the four alternative areas in the long list, only Alternative A passes the screening level evaluation and is carried forward to detailed evaluation.

8.5 Detailed Evaluation Criteria

The following section defines each criterion used to evaluate short-listed alternatives for both the facility location and the access road route. The criteria are grouped into four main categories as follows:

- Natural Environment
- Social and Cultural Environment
- Technical Feasibility
- Economic Impacts

Potential sites were qualitatively and comparatively evaluated, assigning a ranking of poor, fair, moderate, good, or excellent. Each criteria category was weighted equally. Each alternative site was then ranked from most to least preferred. Descriptions of the criteria that fall under each category are noted below.

8.5.1 Natural Environment

Terrestrial and Vegetation Impacts

Vegetation communities and flora help support natural systems, provide habitat, and protect against soil erosion. Alternatives that minimize tree and vegetation impacts score higher.

Surface and Groundwater Impacts

This criterion looks at impacts to both surface water such as water courses, lakes and wetlands (i.e., through sediment release), and groundwater quantities through construction dewatering. Alternatives with lower impacts to surface or groundwater score higher.

Species at Risk and Wildlife Habitat

In Ontario, species determined to be endangered, threatened, or of special concern are classified as 'Species at Risk' under Ontario Regulation 230/08. Alternatives that have greater potential of impacting SAR and wildlife habitat score lower for this criterion.

Designated and Environmental Policy Areas

Sites that are within Provincially Significant Wetlands (PSW) and/or Environmentally Sensitive Habitats (ESH) receive a lower rating.

Similarly, construction at or near a site located within a wellhead protection area, floodplain, TRCA regulated area, special policy area, undesignated wetland, or MNR regulated areas is not preferred. Alternatives that would require construction within or adjacent to an environmental policy area receive a lower score.

Energy Consumption/Carbon Footprint

The Region's Climate Change Master Plan has a target to reduce greenhouse gas emissions by 45% by 2030, relative to 2010 levels. Although this plan does not identify a pumping station retrofit as a high priority technical action, alternatives that reduce energy consumption can reduce carbon emissions and are ranked more favourably. More specifically, energy required to pump stormwater, along with building heating and ventilation are expected to be the largest energy draws at the proposed facility. Sites requiring greater static lift score lower under this criterion.

8.5.2 Social and Cultural Environment

Construction Impacts

Alternatives that will require higher levels of dust, noise, vibrations, or traffic impacts during construction score lower for this criterion.

Aesthetic Appearance/Landscaping

The aesthetic quality of the proposed facility must be considered. A visually appealing facility can be achieved through landscape and architectural design that is not only compatible with the surrounding neighborhood, but well-received by the public and enhances the aesthetic quality of the property. Architectural treatments have been used successfully to reduce the industrial appearance of the building and make it blend in well with the surroundings.

Landscaping features such as tree screens, grassed areas, and berms serve to give the property a park like setting. Locations that have space to facilitate landscaping or are far enough from public view as to not require additional architectural and landscaping considerations score higher under this criterion.

Compatibility with Adjacent Land Uses

There are a variety of land uses in the study area, including industrial, residential, commercial, and natural protected areas. Sites for the proposed facility that have official plan and/or zoning designation that is compatible with infrastructure or where a buffer or physical separation can be achieved from the nearest private commercial or residential properties score higher for this criterion.

Archaeological, Cultural Heritage and Indigenous Peoples

Undisturbed sites, and sites located near rivers and creeks tend to have a higher potential for archaeological significance. Sites that are designated under the Ontario Heritage Act and other cultural designations, are close to known cemeteries or burial sites or contain buildings over 40 years old have potential for cultural heritage value. First Nations with treaty rights for lands within the study area were engaged through this study to determine potential for impacts. Sites located near rivers and creeks tend to have a higher potential for significance to Indigenous peoples. Those sites with low potential for archaeological and heritage impacts or impacts to Indigenous peoples score higher.

Ability to Protect Public Safety, Health and Assets through Improvements to Flood Protection

The SWPS is used to mitigate the risk of flooding within a portion of the study area by pumping stormwater to storm sewers that allow for gravity drainage. Alternatives that improve the reliability of the facility to serve this purpose of flood protection score higher.

Noise Impacts During Facility Operation

Noise may be generated from mechanical equipment used at the facility during normal or maintenance operations. Facility locations that are farthest from sensitive noise receptors score higher under this criterion.

Property Requirements

Alternatives constructed entirely on properties that are already owned by the Region would receive a full score under this criterion. Alternatives requiring property acquisition (including easements) of land currently in use by private landowners would score low, while privately owned lands that are vacant and do not have active development plans score moderately higher.

8.5.3 Technical Feasibility

Ease of Operation and Maintenance

The pumping facility will be designed to ensure that ongoing operation of the facility is as convenient and safe as possible for operations staff. At a minimum, the system will be designed to meet applicable industry standards, regulations, and best practices without excessive complexity. For access route alternatives, sites with more convenient access for operators will score higher. For facility alternatives, sites where all station equipment and buildings are in the same area score higher.

Compatibility with Existing and Future Infrastructure

This criterion looks at the site compatibility with future infrastructure proposed in both the short and long-term and impacts to existing infrastructure that is to remain in place. Alternatives that do not allow for future expansion or have greater impacts to existing infrastructure score lower for this criterion.

Ease of Implementation

This criterion is based mainly on overall constructability. The new pumping facility should be designed to facilitate a reasonably smooth approvals and construction process. Sites within environmentally sensitive areas, with higher potential for poor or contaminated soil, higher potential for conflicts with existing utilities, more extensive approvals/permitting requirements or with difficult access for construction vehicles score lower.

Ability to Meet Current Regulatory Requirements and Region Standards

Following regulatory requirements and Region standards improves the ability of the facility to operate safely, reliability and effectively. Alternatives that increase adherence to regulatory and Region standards score higher.

Climate Change Adaptability

It is increasingly important for new infrastructure to be resilient to the impacts of climate change and increased high rainfall events and flooding. This is of particular importance for a stormwater pumping station that is required to mitigate flooding. Alternatives at lower elevations that have a higher potential for flooding in the case of pump failure or high flow events beyond the station's capacity score lower.

8.5.4 Economic Impacts

Lifecycle Cost

The standard definition of lifecycle cost is the total accounting of all costs for a project from inception through construction, operation, and decommissioning encompassing the entire life of a project (including design, construction, land acquisition, provision of utilities/services, operating cost, maintenance cost, replacement cost, decommissioning cost). Sites with a lower life cycle cost score higher in this category.

Operating and Maintenance Costs

Annual Operating and Maintenance costs are considered to be the re-occurring costs related to operations and maintenance of the SWPS facility. Sites with a lower operating cost score higher in this category.

Capital Costs

Capital costs are considered to be a one-time cost related to engineering and construction of the SWPS facility and incorporates property acquisition costs where applicable. Sites with a lower capital cost score higher in this category.

8.6 Short List of Facility Locations

Alternative A was the only area carried forward to detailed evaluation. Within this general area, several alternative facility locations could be considered, including the option to “Do Nothing”, considering the existing facility is located within Alternative A area.

A short list of facility locations within the Alternative A area are listed below.

Do Nothing

Under the Do Nothing alternative, the existing control building and wet well will be maintained as shown in **Figure 7**. This alternative must be considered as part of the Class EA process and is used as a baseline for comparison.







Facility Alternative 1

Under this alternative, the existing control building will be demolished, and a new control building incorporating current standards and regulations will be constructed adjacent to the existing control building as shown in **Figure 8**. A new wet well with new submersible pumps would be constructed close to the existing wet well, on Region property. A new valve chamber would be installed next to the wet well to improve accessibility, and a new forcemain would be installed to accommodate the new wet well and valve chamber.








Facility Alternative 2

Under this alternative, the existing control building will be demolished, and a new control building incorporating current standards and regulations will be constructed adjacent to the existing wet well, to keep all portions of the facility together as shown in **Figure 9**. A new wet well with new submersible pumps would be constructed close to the existing wet well, on Region property. A new valve chamber would be installed next to the wet well to improve accessibility, and a new forcemain would be installed to accommodate the new wet well and valve chamber.

Existing Stormwater Infrastructure

-  Finch Stormwater Pumping Station Wet Well
-  Finch Stormwater Pumping Station Control Building
-  Stormwater Catch Basin
-  Trunk Stormwater Sewer
-  Stormwater Gravity Main
-  Stormwater Lateral

General Features

-  Rail
-  Existing Gas Pipeline
-  Building Footprint
-  Parcel
-  Waterbody and Watercourse
-  Region of Peel/Road Rights-of-Way
-  Municipal Boundary

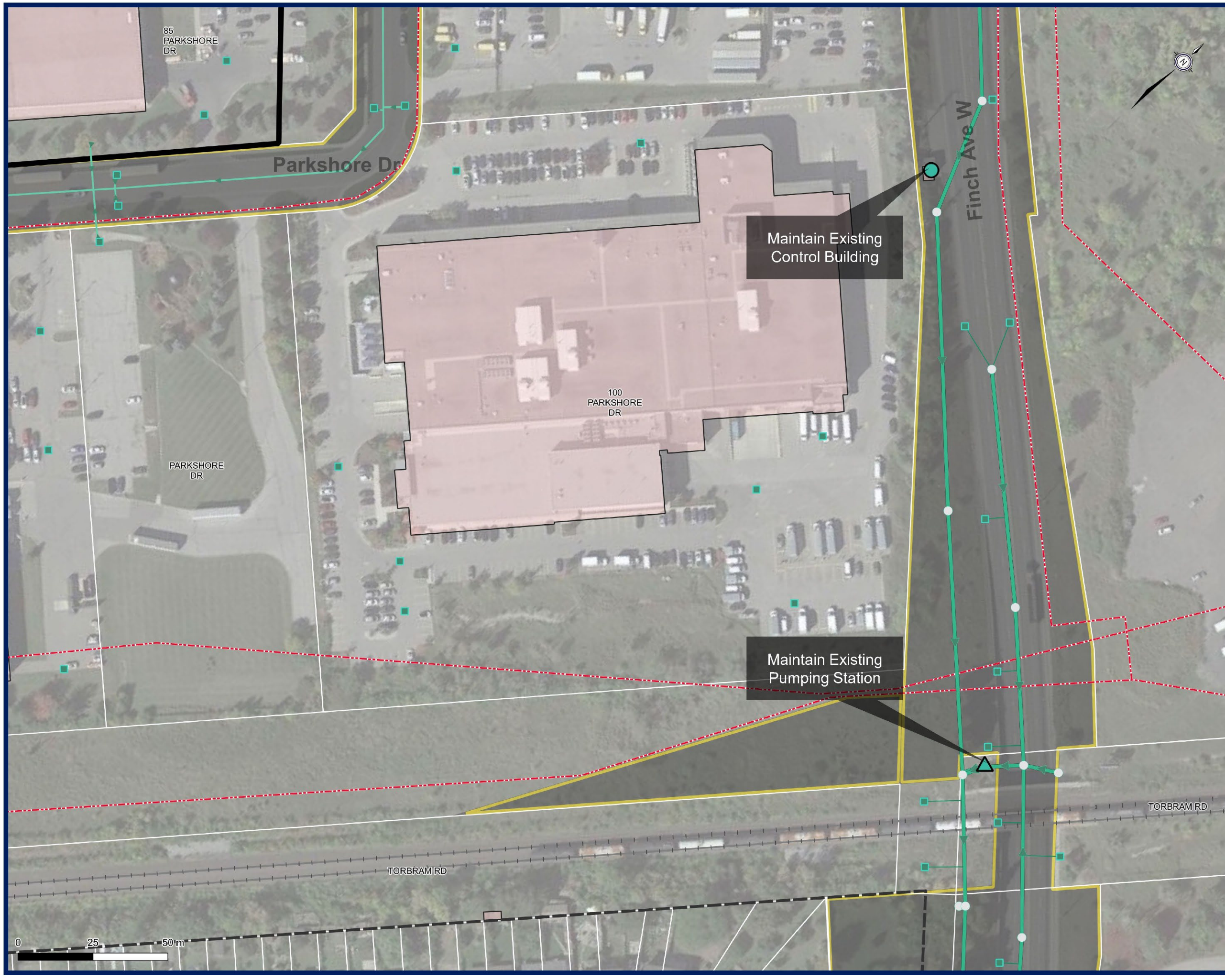
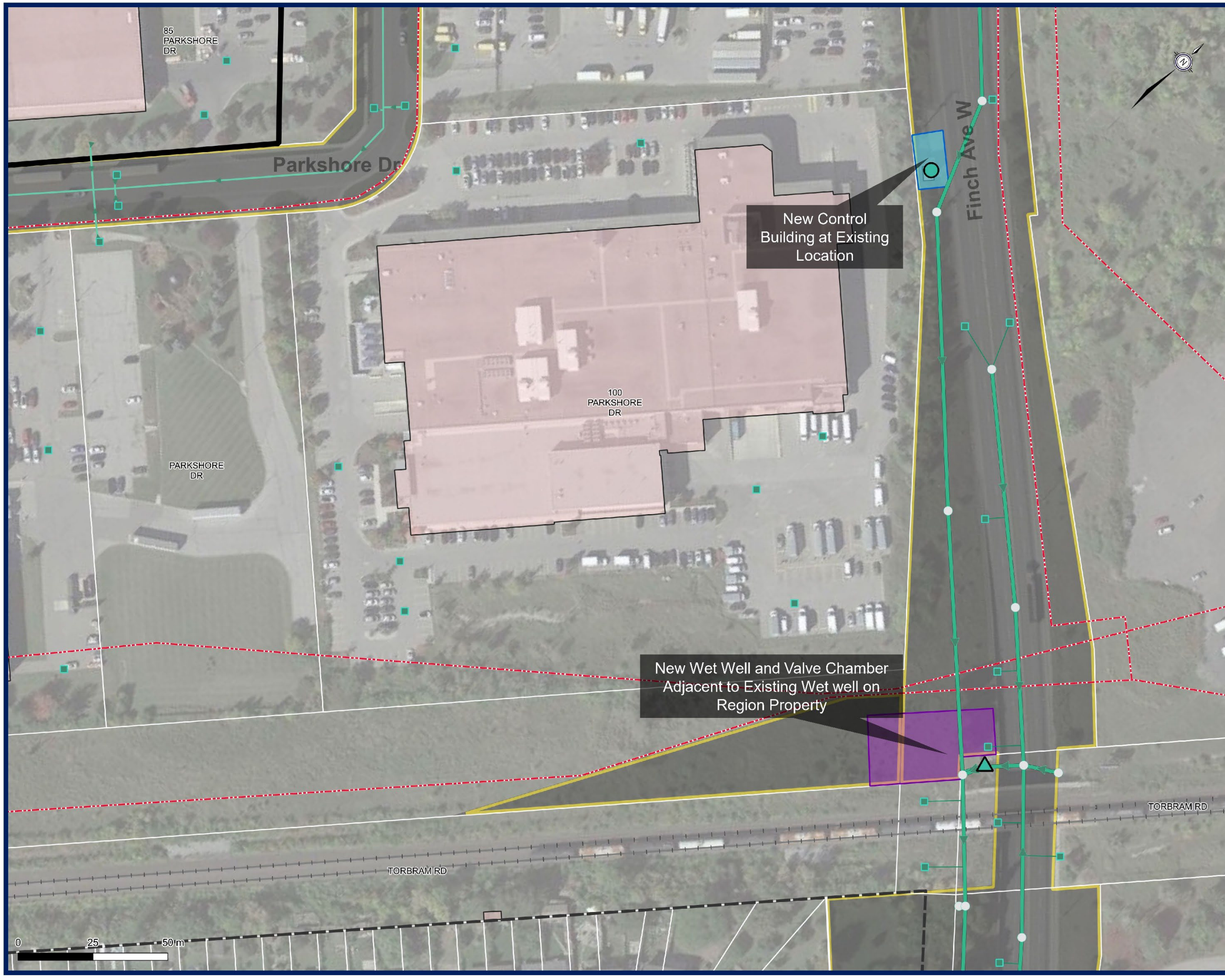


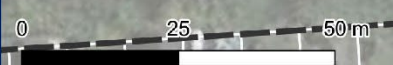
Figure 7
'Do Nothing' Alternative

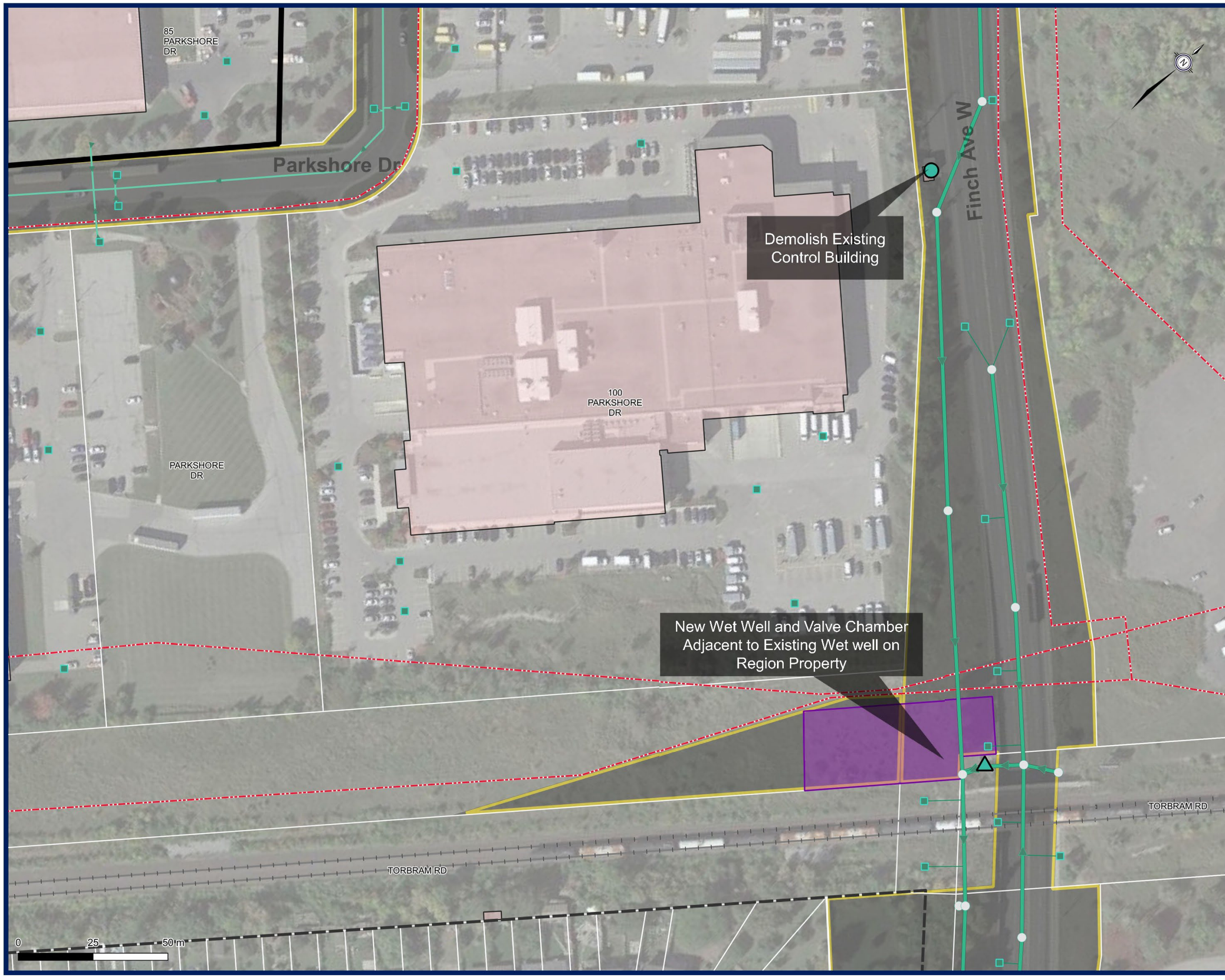


- Area for Proposed Control Building
- Area for Proposed Valve Chamber, and Wet Well
- Existing Stormwater Infrastructure**
- Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Stormwater Catch Basin
- Maintenance Holes
- Trunk Stormwater Sewer
- Stormwater Gravity Main
- Stormwater Lateral
- General Features**
- Rail
- Existing Gas Pipeline
- Building Footprint
- Parcel
- Waterbody and Watercourse
- Region of Peel/Road Rights-of-Way
- Municipal Boundary



Figure 8
Facility Alternative 1





- Proposed Control Building, Valve Chamber, and Wet Well
- Existing Stormwater Infrastructure**
- Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Stormwater Catch Basin
- Maintenance Holes
- Trunk Stormwater Sewer
- Stormwater Gravity Main
- Stormwater Lateral
- General Features**
- Rail
- Existing Gas Pipeline
- Building Footprint
- Parcel
- Waterbody and Watercourse
- Region of Peel/Road Rights-of-Way
- Municipal Boundary



Figure 9
Facility Alternative 2



8.7 Detailed Evaluation

The results of the detailed evaluation of the short list of facility alternatives are presented in **Table 5**. The scoring is qualitative, and relative. **Table 4** outlines the proposed qualitative ranking system that qualitatively compares the merit of each option with respect to each criterion. The detailed evaluation of the alternatives is provided in **Appendix C**.

Table 4: Design Criteria Ranking System
















 Positive Impact	 Neutral Impact	 Negative Impact
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Table 5: Detailed Evaluation of Alternative Sites

Criteria	Do Nothing Maintain Existing Finch SWPS	Alternative 1 Construct New Control Building Adjacent to Existing Control Building, and Construct New Wet Well and Valve Chamber Adjacent to Existing Wet Well	Alternative 2 Construct New Control Building, Wet Well and Valve Chamber Adjacent to Existing Wet Well
Natural Environment	 <ul style="list-style-type: none"> High flooding risk from infrastructure failure, which can impact terrestrial features, vegetation, and surface water. Little or no potential impact on SAR or habitat. 	 <ul style="list-style-type: none"> Minimal potential impact on vegetation; some disturbance required for valve chamber installation. No surface water impacts expected, minor potential groundwater impacts due to excavation. Little or no potential impact on SAR or habitat. 	 <ul style="list-style-type: none"> Low potential impacts on vegetation; minor tree removals would be required. No surface water impacts expected, minor potential groundwater impacts due to excavation. Minor potential impact to species and habitat; no SAR identified in area.
Social / Cultural Environment	 <ul style="list-style-type: none"> No construction and noise impacts. Existing building next to road is less aesthetically pleasing High risk to public welfare from higher flooding risk Higher potential noise impacts during operation due to no existing generator noise attenuation. 	 <ul style="list-style-type: none"> High potential traffic impacts during construction with lane closures and some noise. Critical infrastructure and is compatible with the existing and adjacent land uses. Low potential for archeological and indigenous impacts. Improved flooding protection and public/assets safety 	 <ul style="list-style-type: none"> Moderate potential traffic impacts during construction with potential access through property easement and some noise. Critical infrastructure and is compatible with the existing and adjacent land uses. Low potential for archeological and indigenous impacts. Improved flooding protection and public/assets safety.
Technical Feasibility	 <ul style="list-style-type: none"> Does not address current accessibility concerns. Challenges in operation and maintenance since control building is far from wet well. Does not address future infrastructure needs and has reduced resiliency 	 <ul style="list-style-type: none"> Challenges in operation and maintenance since control building is far from wet well. Requires work close to an existing active pump station and may require bypass work, making construction more challenging. Improved climate change and flooding resiliency. 	 <ul style="list-style-type: none"> Improved accessibility through with wet well and control building in one location. Work near slope has more complex geotechnical requirements Improved climate change and flooding resiliency.
Economic	 <ul style="list-style-type: none"> No capital costs. Aging equipment has high operation and maintenance costs 	 <ul style="list-style-type: none"> Has higher associated capital cost (comparable to Alternative 2). 	 <ul style="list-style-type: none"> Has higher associated capital cost (comparable to Alternative 1).
SUMMARY SCORE	Neutral Impact	Neutral Impact	Positive Impact
OVERALL RANKING	3 (LEAST PREFERRED)	2 (LESS PREFERRED)	1 (PREFERRED)

Facility Alternative 2 (New Control Building, wet well and valve chamber located adjacent to existing wet well) was identified as the most preferable facility location. An overview and rationale of the recommendation is provided in **Table 6** below.

Table 6: Recommendations and Rationale

Alternative	Recommendation and Rationale
Do Nothing	<p>Not Recommended</p> <p>Justification:</p> <ul style="list-style-type: none"> Does not address aging building and equipment. Does not address existing operation and maintenance, and accessibility issues. Does not meet current Region standards resulting in reduced station resilience and community safety from flooding.
Alternative 1: New Control Building adjacent to existing Control Building	<p>Not Recommended</p> <p>Justification:</p> <ul style="list-style-type: none"> More difficult to maintain existing station in operation during construction due to close proximity to existing station. Control building is far from wet well, increasing operator effort to access and maintain
Alternative 2: New Control Building adjacent to existing wet well	<p>Recommended</p> <p>Justification:</p> <ul style="list-style-type: none"> Improved accessibility during construction and operation Centralized station layout for easier operation and maintenance with space for future expansion. Improved station resiliency to meet future community needs and reduce flooding risk.

8.8 Short List of Facility Access Alternatives

Based on the preferred location for the facility next to the existing wet well, as determined through the detailed evaluation of facility locations, potential access road routes are developed. The following potential access route alternatives are listed below.

Access Alternative 1

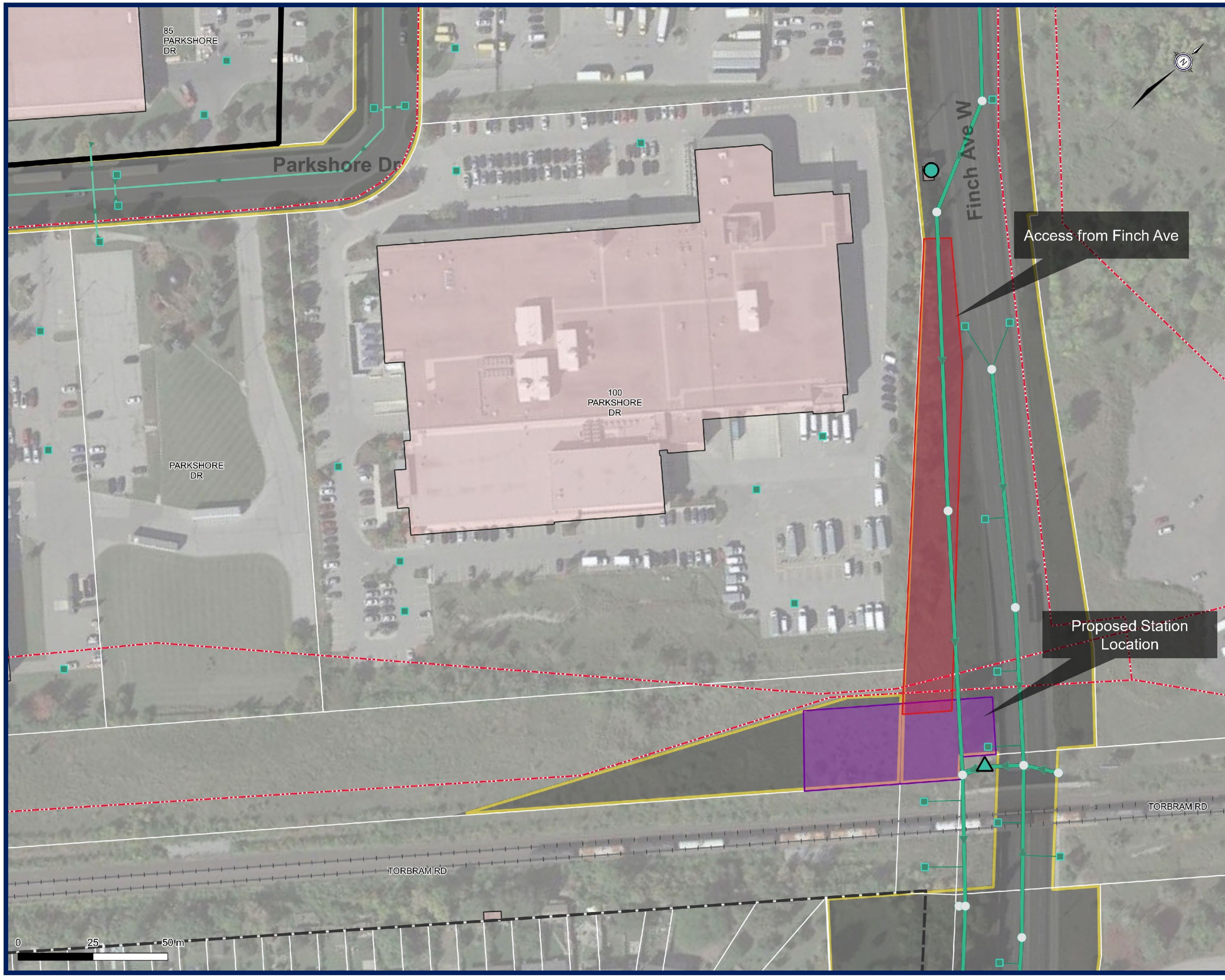
Under this alternative, an access road would be constructed along Finch Ave W. The access road would start near the existing control building location and would extend up the slope, above the retaining wall to the proposed control building and wet well location near CN rail. Vehicles would access the road from Finch Avenue West as shown in **Figure 10**.

Access Alternative 2

Under this alternative, an access road would be constructed from the Canadian Blood Services parking lot's east corner to the proposed station location. An easement through the Canadian Blood Services property would be needed to access the station from Parkshore Drive, which is on the opposite end of the private property. The access route for this alternative is shown in **Figure 11**.

Access Alternative 3

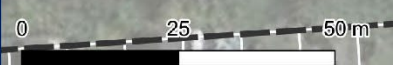
Under this alternative, an access road would be constructed on the vegetated area on Canadian Blood Services property, located southeast of the parking lot. Access to this road would be provided via GRANITE's driveway. The access route for this alternative is shown in **Figure 12**.

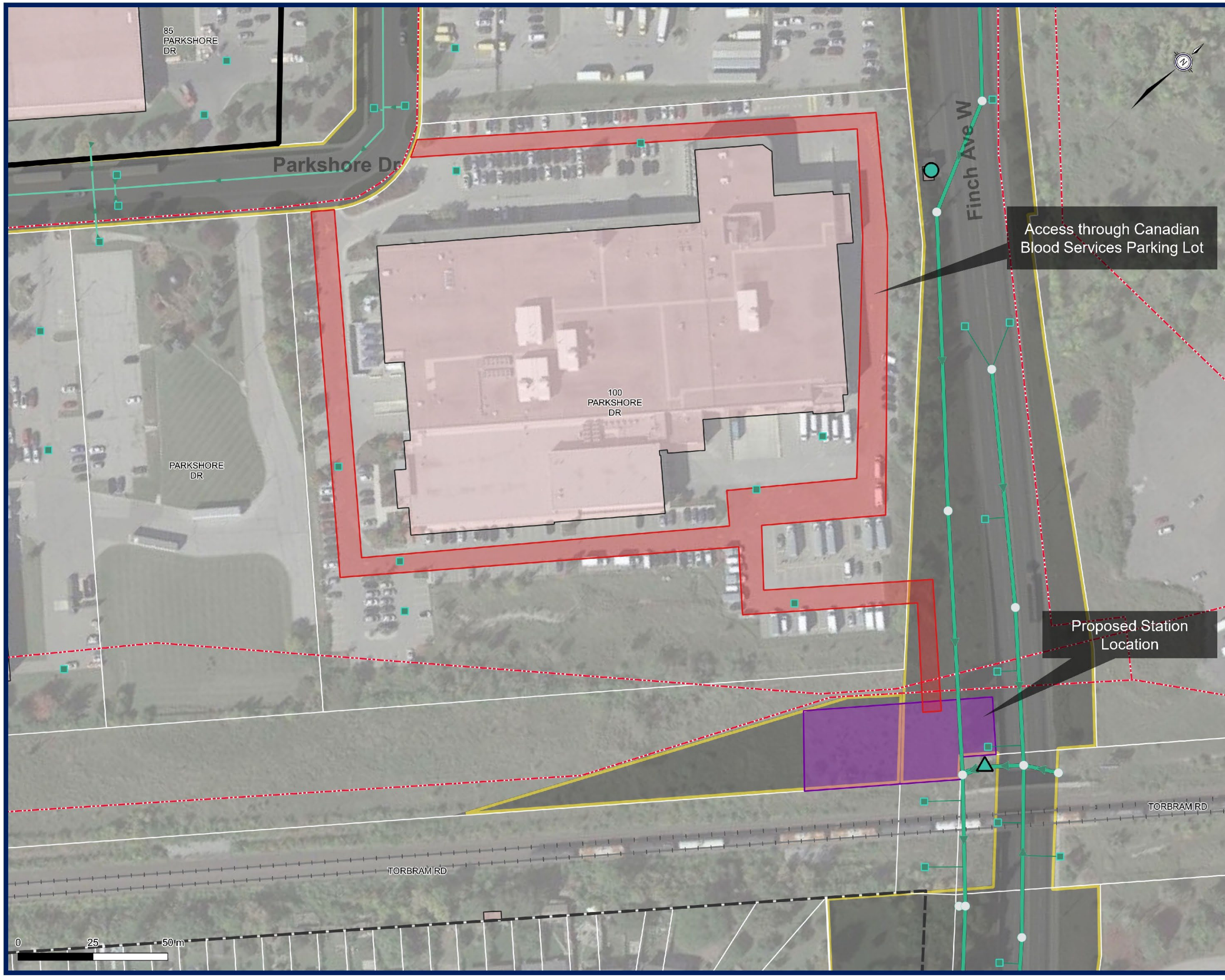


- Proposed Location of Access Route
- Proposed Pumping Station Location
- Existing Stormwater Infrastructure**
- Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Stormwater Catch Basin
- Maintenance Holes
- Trunk Stormwater Sewer
- Stormwater Gravity Main
- Stormwater Lateral
- General Features**
- Rail
- Existing Gas Pipeline
- Building Footprint
- Parcel
- Region of Peel/Road Rights-of-Way
- Municipal Boundary



Figure 10
Road Access Alternative 1

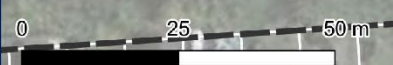




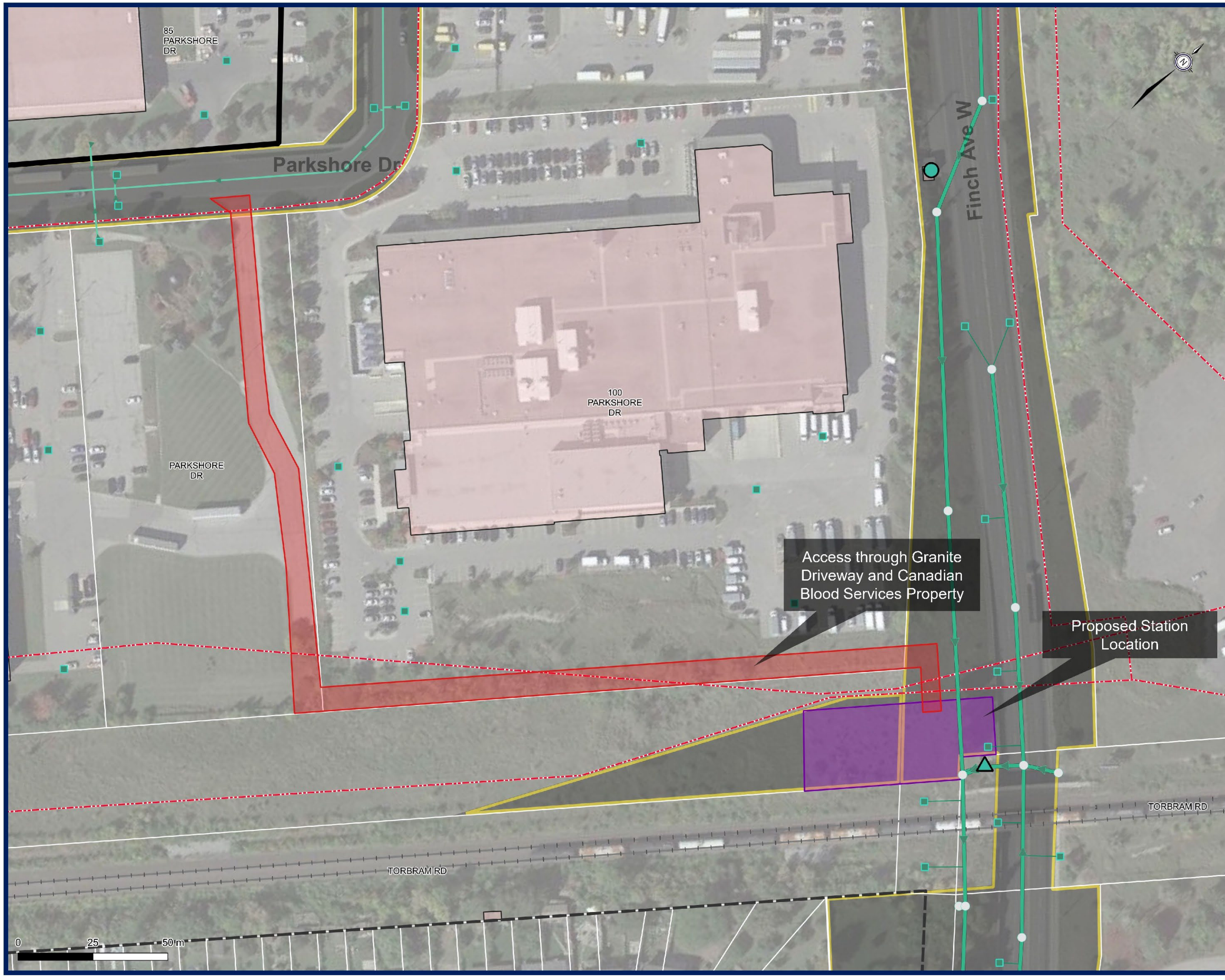
- Proposed Location of Access Route
- Proposed Pumping Station Location
- Existing Stormwater Infrastructure**
- Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Stormwater Catch Basin
- Maintenance Holes
- Trunk Stormwater Sewer
- Stormwater Gravity Main
- Stormwater Lateral
- General Features**
- Rail
- Existing Gas Pipeline
- Building Footprint
- Parcel
- Region of Peel/Road Rights-of-Way
- Municipal Boundary



Figure 11
**Layout of Road Access
Alternative 2**



- Proposed Location of Access Route
- Proposed Pumping Station Location
- Existing Stormwater Infrastructure**
- Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Stormwater Catch Basin
- Maintenance Holes
- Trunk Stormwater Sewer
- Stormwater Gravity Main
- Stormwater Lateral
- General Features**
- Rail
- Existing Gas Pipeline
- Building Footprint
- Parcel
- Region of Peel/Road Rights-of-Way
- Municipal Boundary



Access through Granite Driveway and Canadian Blood Services Property

Proposed Station Location

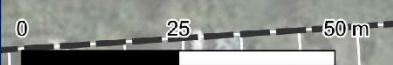

















Figure 12
**Layout of Road Access
Alternative 3**

8.9 Detailed Evaluation of Short List of Facility Access Alternatives

The results of the detailed evaluation of the short list of facility access alternatives are presented in **Table 7**. The scoring is qualitative, and relative. **Table 4** outlines the proposed qualitative ranking system that qualitatively compares the merit of each option with respect to each criterion. The detailed evaluation of the alternatives is provided in **Appendix C**.

Table 7: Detailed Evaluation of Road Access Alternative

Criteria	Alternative 1 From Finch Avenue	Alternative 2 Through Canadian Blood Services Parking Lot	Alternative 3 Through GRANITE Driveway and Canadian Blood Services Property
Natural Environment	 <ul style="list-style-type: none"> Requires some vegetation and tree removal. No surface or groundwater impacts Does not contain Significant Wildlife Habitat and has low potential for SAR. No impact on designated features. 	 <ul style="list-style-type: none"> Requires some vegetation removal, no tree impacts. No surface or groundwater impacts. Does not contain Significant Wildlife Habitat and has low potential for SAR. No impact on designated features. 	 <ul style="list-style-type: none"> Requires vegetation removal including portions in the unevaluated wetland. Potential surface water impacts at wetland Impacts potentially suitable habitat for bat maternity colonies Involves work in TRCA regulated floodplain; permits required.
Social / Cultural Environment	 <ul style="list-style-type: none"> Traffic and noise/dust impacts for the public since construction is Finch Avenue West. No Cultural Heritage or Built Heritage impacts expected. No property acquisition or easements required 	 <ul style="list-style-type: none"> Lower traffic and noise/dust impacts; further from road. Construction impacts to adjacent property owners. No Cultural Heritage or Built Heritage impacts expected. Easement through the CBS parking lot required. 	 <ul style="list-style-type: none"> Lower traffic and noise/dust impacts; further from road. Construction impacts to adjacent property owners No Cultural Heritage or Built Heritage impacts identified; has highest potential for impacts Easement through both GRANITE and Canadian Blood Services required
Technical Feasibility	 <ul style="list-style-type: none"> Operator access via busy Finch Avenue. Road adjacent to the ROW on Finch Avenue could impact future utility installations and proposed multi-use path. Challenging construction due to existing grade; requires grade change. 	 <ul style="list-style-type: none"> Operator access via one-way parking lot. Road to be built over high-pressure Enbridge gas main. Challenging construction due to existing grade; requires grade changes. 	 <ul style="list-style-type: none"> Operator access via driveway frequently used by trucks Road to be built over high-pressure Enbridge gas main Requires challenging TRCA approval for construction across unevaluated wetland
Economic	 <ul style="list-style-type: none"> Lowest lifecycle costs due to low capital costs Operation and maintenance costs are comparable for all options 	 <ul style="list-style-type: none"> Higher capital costs Operation and maintenance costs are comparable for all options. 	 <ul style="list-style-type: none"> Higher capital costs. Operation and maintenance costs are comparable for all options.
SUMMARY SCORE	 Positive Impact	 Neutral Impact	 Neutral Impact
OVERALL RANKING	1 (PREFERRED)	2 (LESS PREFERRED)	3 (LEAST PREFERRED)

Access Alternative 1 (access from Finch Avenue West) was identified as the most feasible alternative. An overview and rationale of the recommendation is provided in **Table 8** below.

Table 8: Recommendations and Rationale

Alternative	Recommendation and Rationale
Access Alternative 1: from Finch Avenue West	<p style="color: red; margin: 0;">Not Recommended</p> <p>Justification:</p> <ul style="list-style-type: none"> Road would be within the Region’s ROW. No easement through adjacent property owners is needed. Impacts to unevaluated wetland and potential habitat for SAR is avoided. Impacts to cultural heritage is very low. Operator access would be easiest. Limited impacts to nearby property owners; some impacts to public expected due to construction near Finch Avenue West.
Access Alternative 2: through Canadian Blood Services Parking Lot	<p style="color: red; margin: 0;">Not Recommended</p> <p>Justification:</p> <ul style="list-style-type: none"> Requires easement through Canadian Blood Services property. Challenging operator access through long one way parking lot. Large grade difference between parking lot and vegetated land would pose constructability challenges. Limited impacts to SAR and cultural heritage Limited public impacts to public since construction is further from road but greater impacts to commercial operations are likely.
Access Alternative 3: through GRANITE and Canadian Blood Services properties	<p style="color: green; margin: 0;">Recommended</p> <p>Justification:</p> <ul style="list-style-type: none"> Construction on GRANITE and Canadian Blood Services property; requires easements and negotiation. Road construction through unevaluated wetland, which can impact surface waters and potential habitats for SAR. Construction within TRCA regulated area and floodplain will require permit Longer road and associated capital costs

8.10 Summary of Preferred Alternative

The recommended facility upgrades consist of the following elements:

- Construct a new wet well with new submersible pumps and valve chamber close to existing wet well;
- Convert existing wet well to inlet maintenance hole;
- Construct new control building close to existing wet well;
- Forcemain modifications to accommodate new wet well and valve chamber location;
- Construct an access road to the new wet well and control building from Finch Avenue West, within existing Region property; and
- Demolish existing control building.

This upgrade will require the continued operation of the existing pumping station while the new/expanded facility is being constructed. Details of construction staging will be determined during design.

9. Impacts and Mitigation Measures

9.1 Noise and Air Quality

Construction work associated with the recommended strategy will occur within the existing site boundary as well as a portion of the CN rail property when the existing wet well is being converted into an inlet maintenance hole. Construction activities may result in additional odour, noise, and dust around adjacent sites. As a mitigation measure, the Region should:

- Employ a noise and dust control strategy to reduce emissions during construction.
- Develop a construction-staging plan to minimize community disruption.
- Use low noise equipment during construction, where possible (i.e. temporary generators).
- Restrict working hours for construction, in accordance with the Region's and City of Brampton's Noise Control By-law.
- EASR Registration for new Standby Power Generator
- Supplement pumping station upgrades by having the diesel generator exhaust system be equipped with appropriate noise abatement equipment to minimize impacts to the nearest sensitive receptors.

9.2 Archaeological and Built/Cultural Heritage Resources

Based on the findings of the Stage 1 Archaeological Assessment (see **Appendix E**), no further assessments are required for the areas previously subjected to an archaeological assessment or areas of previous disturbance. Areas identified as having archaeological potential require Stage 2 Archaeological Assessment survey prior to ground disturbing activities associated with the proposed upgrades. Undisturbed areas identified include the vegetated corridor adjacent to the CN railway and above the buried high pressure gas mains, as well as the sloped vegetated area along Finch Avenue. A Stage 2 Archeological assessment will be completed for the areas with proposed ground disturbing work.

First Nations with Treaty rights in the area of proposed work are to be included in the Archaeological Stage 2 Fieldwork.

Based on the findings of the Cultural Heritage Screening, no further cultural heritage studies are required. As a result, no mitigation measures associated with cultural heritage resources are required.

If there are any archaeological and/or cultural heritage findings during construction, they will be reported to the Ministry of Tourism, Culture and Sport (MTCS) immediately and work would stop until next steps are confirmed.

9.3 Species at Risk

To minimize any harm to wildlife and wildlife habitat, the following mitigation measures should be implemented during the construction process:

- Any vegetation clearing that must occur during construction shall not occur during the migratory bird nesting season (April 1 to August 31). If this is not possible, prior to vegetation clearing, a qualified biologist must complete a nest search.

- Temporary brush and loose soil piles must be tarped to prevent nesting in those areas.
- Measures must be implemented to protect trees from direct and indirect physical damage.
- Once the construction has been completed, all disturbed areas shall be rehabilitated and revegetated to ensure the project site is restored to pre-construction conditions.

9.4 Environmentally Sensitive Areas

There are no watercourses within the proposed construction area. An unevaluated wetland is located near the proposed work area. To minimize any harm to aquatic features and habitat downstream of the project work area, the following mitigation measure should be implemented during the construction process:

- Develop an erosion and sediment control plan to minimize the risk of sedimentation in stormwater effluent. The control plan can include:
 - Installation of sediment barriers on all catch basin and maintenance holes
 - Silt fence barriers
 - Stabilization of exposed soils near unevaluated wetland
- Develop a contamination and spill management response plan in the event of a sediment release or spill of a hazardous substance.

9.5 Traffic Management

During detailed design the proponent will prepare a traffic management plan. This plan will need to consider required signage, traffic control measures to aid the safe ingress and egress of trucks to and from the site, and mitigation of impacts to vehicular traffic along Finch Avenue West, Steeles Avenue East, Kenview Boulevard, and Parkshore Drive, in addition to other pedestrian and cycling movements.

9.6 Utilities

The recommended servicing strategy comprises utilities typical of an urban area including municipal storm sewers, electrical, gas, and other utilities. The Region has identified stormwater and sanitary infrastructure within the Region ROW. Enbridge has provided the location of the high-pressure gas mains, which are located within the ROW. During detailed design, the proponent will need to contact the relevant utility firms to confirm and ensure impacts to utilities are minimized or avoided during construction and operations.

9.7 Excess Soils Management

The Phase One ESA recommends further investigations of the identified APECs prior to construction activities to support excess soil management and construction dewatering and discharge management planning.

10. Permits and Approvals

Table 9 provides an overview of the key permits and approvals that are expected in advance of the construction activities. These permits and approvals would be sought during the detailed design of the project.

Table 9: Preliminary Approvals and Permitting Requirements

Agency	Description of Permit / Approval Required
Ministry of the Environment, Conservation and Parks (MECP)	<ul style="list-style-type: none"> • Environmental Compliance Approval Amendment for stormwater pumping station. • Any activities that discharge air contaminants at the facility (ie. diesel generator) will be registered in the Environmental Activity and Sector Registry as prescribed by O. Reg. 1/17 • During design, site-specific geotechnical and hydrogeological investigations will be undertaken to confirm dewatering requirements and mitigation measures, and if a Permit to Take Water is required.
Ministry of Natural Resources and Forestry (MNRF)	<ul style="list-style-type: none"> • Wildlife relocation permits may be required if wildlife removals are needed during construction.
Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI)	<ul style="list-style-type: none"> • The Stage 2 Archeological Assessment for the proposed facility location is currently being completed with First Nations community participation. Once complete, the Archeological Assessments will be submitted to MHSTCI for approval prior to commencing construction. • Should previously undocumented archaeological resources be discovered during construction, the Region of Peel will cease construction until the MHSTCI is contacted, and appropriate mitigation or resource recovery is implemented.
City of Brampton	<ul style="list-style-type: none"> • A tree preservation and restoration plan will be developed during detailed design by a qualified arborist that meets City of Brampton and TRCA permitting requirements. Any tree removals will comply with the City's By-law (317-2012). • Site Plan Approval will be obtained during detailed design, prior to construction. Key requirements of the site plan will include facility layout and design, landscaping, and stormwater management. • Building Permit will be obtained during detailed design, prior to construction to comply with Ontario Building Code requirements and City of Brampton Zoning By-Law. • Demolition Permit for the demolition of the existing control building will be obtained.

11. Conclusions and Follow-Up Commitments

The Finch SWPS Schedule B Class EA has developed a preferred solution for upgrading the facility for reliable future flood protection of the area and adapt to climate change impacts. The preferred solution will allow the Region to operate the station in compliance with recent codes and standards, resulting in improved health and safety and infrastructure resilience. The preferred solution will also improve access to the station for easier facility operation and maintenance.

Key components for the preferred solution are:

- Maintain facility infrastructure on existing Region property;
- Construct new control building adjacent to existing wet well for a centralized station configuration;
- Construct a facility access road from Finch Avenue within Region property.

11.1 Additional Investigations and Studies

It is recommended that additional investigations and studies be completed to support the detailed design process (see **Table 10**).

Table 10: Project Commitments

Investigation	Project Commitment
Noise and Dust	<ul style="list-style-type: none"> • Develop a noise and dust control strategy. • Develop a construction staging plan. • Use low noise equipment during construction where possible. • Restrict working hours for construction, in accordance with Noise Control By-law. • Supplement pumping station upgrades by having the diesel generator exhaust system be equipped with appropriate noise abatement equipment to minimize impacts to the nearest sensitive receptors.
Hydrogeology	<ul style="list-style-type: none"> • Develop an erosion and sediment control plan to ensure any dewatering discharge does not impact surface water. • Seek water-taking approval for construction-site dewatering if required based on expected water taking requirements during construction.
Wildlife and Wildlife Habitat	<ul style="list-style-type: none"> • Clear trees and vegetation outside of the breeding bird season. • Conduct nest sweep survey prior to construction to ensure nestings are not present in project areas. • Install exclusionary fencing around active work areas adjacent to unidentified wetland.

Investigation	Project Commitment
Contamination and Waste	<ul style="list-style-type: none"> • If contaminated soils are present, the Region will determine how and where they are to be disposed of, consistent with Part XV.1 of the Environmental Protection Act and Ontario Regulation 153/04, Records of Site Condition, which details the new requirements related to site assessment and clean up. The MECP's District Office will be contacted for further consultation if contaminated sites are present. • All waste generated during construction will be disposed of in accordance with MECP requirements. • The project involves managing excess soil. These activities will be completed in accordance with MECP's current guidance document "Management of Excess Soil – A Guide for Best Management Practices" (2016). • In the event of a spill, the MECP Spills Action Centre will be contacted immediately.
Traffic Management	<ul style="list-style-type: none"> • Prepare a traffic management plan to identify the need for lane closures, signage and traffic control measures during construction
Utilities	<ul style="list-style-type: none"> • During detailed design, the Region will reconnect with the relevant utility firms to ensure impacts to utilities are minimized or avoided during construction and operations.
Permits	<ul style="list-style-type: none"> • Obtain permits (as needed) as identified in Table 9 of this Project File.
Consultation	<ul style="list-style-type: none"> • Hold further consultation with key stakeholders and adjacent property owners (as needed) during detailed design and construction.
Municipal Class EA Addendum Process	<ul style="list-style-type: none"> • Undertake an addendum to this Municipal Class EA study if any significant modification to the project or change in the environmental setting occurs after the filing of the Project File.

11.2 Submission of Project File Report

The Project File Report will be available for public review for a 30-day review period. During this time, public and agency stakeholders are encouraged to review outstanding issues with the study team.

11.3 Section 16 Requests

If there are concerns regarding the study, a request may be made to the Ministry of the Environment, Conservation and Parks for an order requiring a higher level of study (i.e., requiring a Schedule C Class EA or Individual/ Environmental Assessment), or that conditions be imposed (e.g. require further studies), only on the grounds that the requested order may prevent, mitigate or remedy adverse impacts on constitutionally protected Aboriginal and treaty rights. Requests on other grounds will not be considered. Requests should include the requester contact information and full name for the Ministry.

Requests should specify what kind of order is being requested (request for additional conditions or a request for an individual/comprehensive environmental assessment), how an order may prevent, mitigate or remedy those potential adverse impacts, and any information in support of the statements in the request. This will ensure that the Ministry is able to efficiently begin reviewing the request.

Requests should be sent by email or in writing to:

**Minister of the Environment,
Conservation and Parks**
Ministry of Environment, Conservation
and Parks
777 Bay Street, 5th Floor
Toronto ON M7A 2J3
minister.mecp@ontario.ca

**Director, Environmental Assessment
Branch**
Ministry of Environment, Conservation
and Parks
135 St. Clair Ave. W, 1st Floor
Toronto ON, M4V 1P5
EABDirector@ontario.ca

Yours truly,
G.M. BluePlan Engineering Limited

Per:

Per

Laura Verhaeghe, P.Eng.

Ana Brankovan, M.Eng.

Appendix A: Engagement with Indigenous Communities

Communications Tracking

Comments Log

Email Correspondence



**Region of Peel Finch Stormwater Pumping Station Upgrades
Project #: 122062**

First Nations Engagement Correspondence Tracking

Stage of EA	From	To	Date Received (MM/DD/YYYY)	Form of Correspondence	Engagement Item	Engagement Group
Study Commencement	Region of Peel	Haudenosaunee Development Institute	18-May-2023	Email	Notice of Study Commencement and Public Information Centre distributed to agency contact, Aaron Detlor.	First Nations
Study Commencement	GM BluePlan (on behalf of Region of Peel)	Nation Huronne-Wendat	30-Jun-2023	Email	Letter regarding Study commencement and invite to participate in Stage 2 Archeological Assessment activities. Letter and email invite sent to Aaron Detlor.	First Nations
Study Commencement	GM BluePlan (on behalf of Region of Peel)	Nation Huronne-Wendat	13-Jul-2023	Phone	Voicemail to office number published online regarding validating email addresses for Class EA correspondence	First Nations
Study Commencement	GM BluePlan (on behalf of Region of Peel)	Nation Huronne-Wendat	14-Jul-2023	Email	Letter regarding Study commencement and invite to participate in Stage 2 Archeological Assessment activities. Letter and email invite sent to administration email.	First Nations
Study Commencement	GM BluePlan (on behalf of Region of Peel)	Mississaugas of the Credit First Nation	30-Jun-2023	Email	Letter regarding Study commencement and invite to participate in Stage 2 Archeological Assessment activities. Letter and email invite sent to Mark LaForme (Director, Department of Consultation and Accommodation (DOCA)), MCFN consultation email, and DOCA admin email.	First Nations
Study Commencement	GM BluePlan (on behalf of Region of Peel)	Six Nations of the Grand River	6-Jul-2023	Email	Letter regarding Study commencement and invite to participate in Stage 2 Archeological Assessment activities. Letter and email invite sent to Tanya Hill-Montour (Archaeology Supervisor) and Dawn LaForme (Secretary).	First Nations



**Region of Peel Finch Stormwater Pumping Station Upgrades
Project #: 122062**

First Nations Engagement Comment Log

Comment #	Stage of EA	Organization & Name of Contact	Time and Method of Feedback	Received Comment	Response	Time and Method of Response	Status	Comments / Further Action
1	Study Commencement and Public Information Centre	Mississaugas of the Credit First Nation	7/4/2023 Email	After receiving email and letter with notice of study commencement and invitation to participate in Stage 2 Archeological Assessment activities, Adam LaForme responded with confirmation that MCFN would like to have Field Liaison Representatives present during field activities. Adam provided agreement and pricing documents to be signed prior to proceeding with scheduling.	Response acknowledging receipt of email. Contact was informed the Region of Peel project manager will contact them to sign agreements.	July 5 and 17, 2023 Email	Complete	No comments related to Class EA
2	Study Commencement and Public Information Centre	Six Nations of the Grand River	7/10/2023 Email	After receiving email and letter with notice of study commencement and invitation to participate in Stage 2 Archeological Assessment activities, Tanya responded to confirm SNGREC has interest and inquired which archeological company will be completing work. Dawn LaForme sent agreement documents to be signed.	Response acknowledging receipt of email. Contact was informed the Region of Peel project manager will contact them to sign agreements and details on the company leading archeological investigations.	July 10 and 17, 2023 Email	Complete	No comments related to Class EA

Ana Brankovan - GM BluePlan

From: Rastrullo, Paul
Sent: Thursday, May 18, 2023 10:14 AM
To: HDI Aaron Detlor; Jake Linklater
Cc: Eric Duivesteyn - GM BluePlan; Laura Verhaeghe - GM BluePlan; Ana Brankovan - GM BluePlan; Banuri, Syeda; Godley, Rachel
Subject: Notices of Study Commencement and Public Information Centre – Finch Stormwater Pumping Station Upgrades
Attachments: Notice of Commencement and PIC_Finch SWPS_FINAL.pdf

Good Morning,

The Region of Peel has initiated a Schedule 'B' Class Environmental Assessment for Upgrades to the Finch Stormwater Pumping Station to ensure continued reliable operation to protect the area from flooding.

Please find the attached the **Notice of Study Commencement and Public Information Centre** with further details on where to find more information on this study and how to get involved and provide feedback.

As part of the study's consultation program, you are currently included in the study contact list. If you wish to be removed or would like to suggest an alternative representative, please contact the undersigned. Should we not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study.

Should you have any comments or questions, please contact Paul Rastrullo, Project Manager (Paul.Rastrullo@peelregion.ca).

Sincerely,

Paul Rastrullo

Project Manager, Engineering
Wastewater Collection & Conveyance
Engineering Services Division
Public Works, Region of Peel
Mobile: 905-452-2760
paul.rastrullo@peelregion.ca



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NOTICES OF STUDY COMMENCEMENT AND PUBLIC INFORMATION CENTRE Finch Stormwater Pumping Station Upgrades, Schedule B Class Environmental Assessment

Background:

The Region of Peel has initiated a Schedule B Class Environmental Assessment (EA) for the Finch Stormwater Pumping Station (SWPS). The Finch SWPS was constructed in 1984 and 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 meet current standards and to ensure continued reliable operation of the facility. This study will evaluate alternative locations for the upgraded facility, with consideration for social, environmental, regulatory, technical feasibility and costs.

Process:

This Class EA study will be completed as a Schedule B undertaking in accordance with the requirements of the Municipal Class Environmental Assessment process. The Class EA process includes public and review agency consultation, evaluation of alternatives, an impact assessment of the recommended alternative, and identification of measures to mitigate potential adverse effects.

Virtual Public Information Centre

As part of the Class EA study, a virtual public information centre (PIC) will be held to allow interested members of the public to learn more about the study background, the list of station upgrade alternatives, the evaluation process and the preliminary evaluation results. The PIC virtual presentation will be made available at www.peelregion.ca/public-works/environmental-assessments/brampton/finch-stormwater starting on **Thursday, June 1, 2023** and ending on **Thursday, June 15, 2023**. The public will have the opportunity to provide comments on the study and the preferred alternative through the Region's website or by contacting the Region's Project Manager, below.

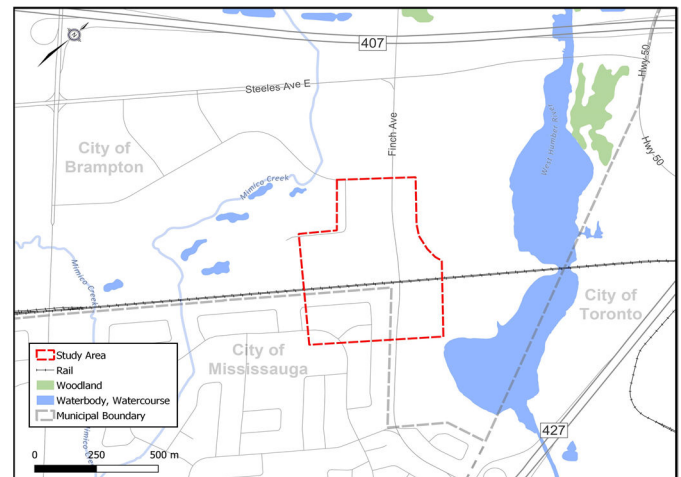
Contact:

To be added to the mailing list, to receive further information or to provide comments on the Class EA study, please contact:

Paul Rastrullo, Project Manager
905-791-7800, ext.7698
Paul.Rastrullo@peelregion.ca

For more information on this Class EA studies visit the Region's website at: peelregion.ca/public-works/environmental-assessments/

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 May 18, 2023.

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*.

July 17, 2023

Management Team
Nation Huronne-Wendat
255 Place Chef Michel Laveau
Wendake, QC, G0A 4V0

RE: Finch Stormwater Pumping Station Upgrades

Dear Management Team,

We wish to take this opportunity to inform you of the above noted project. The Region of Peel (Region) is in the process of initiating a Schedule 'B' Municipal Class Environmental Assessment (Class EA) for the Finch Stormwater Pumping Station (facility).

The facility consists of a below ground wet well and control building about 200 meters apart along Finch Avenue West in Brampton. The facility 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 has an important role in maintaining road access to emergency and essential services during storm events. The facility is aging and requires upgrades to bring the equipment to current standards and to provide reliable operation to protect against flooding. This Class EA study serves to identify and evaluate alternative locations for the upgraded facility, with consideration for social, environmental, regulatory, and cost impacts, along with technical feasibility.

As part of this study, the project team delineated a study area and alternative locations, which could accommodate infrastructure for the proposed facility upgrades. Subsequently, the team developed alternative access road options to the wet well to address ongoing operational and maintenance challenges. Based on results of our detailed evaluation, the preliminary preferred solution includes:

1. keep all new facility infrastructure within the existing Region of Peel property;
2. build a new control building and valve chamber at the wet well location within the Region of Peel property and maintain existing wet well;
3. provide an access road to the facility from Finch Ave West within Region of Peel property.

The preliminary preferred solution scored the highest due to the following factors:

- provides sufficient land to house the facility without impacting existing structures;
- no land acquisition is needed;
- solution has highest technical feasibility and lowest potential for social, cultural, and environment impacts.

A Stage 1 Archeological Assessment has been completed as part of this Class EA, which identified small tracts of undisturbed land within the location of the preliminary preferred solution. A Stage 2 Archeological Assessment will be completed in the upcoming months and the Region welcomes your attendance during the dig activities. If you would like a representative to attend, please inform us by July 31st.

This study follows the Schedule 'B' Municipal Class Environmental Assessment (EA) process, as established by the Municipal Engineer's Association Class Environmental Assessment. Following this study, the Region will continue to consult key stakeholders and landowners throughout the specific assessments and design stage of the project.

The Region values its relationships with Indigenous communities, and we appreciate any input or meaningful information you have to offer as the Region proceeds through this project. If your team is interested in hearing more about this project, please contact us to arrange either a virtual or in-person meeting.

We look forward to hearing from you. Should you have any questions, we invite you to please contact me at the email address or phone number below.

Per:

Paul Rastrullo

Project Manager

Region of Peel, Wastewater Collection & Conveyance

paul.rastrullo@peelregion.ca

(905) 452-2760

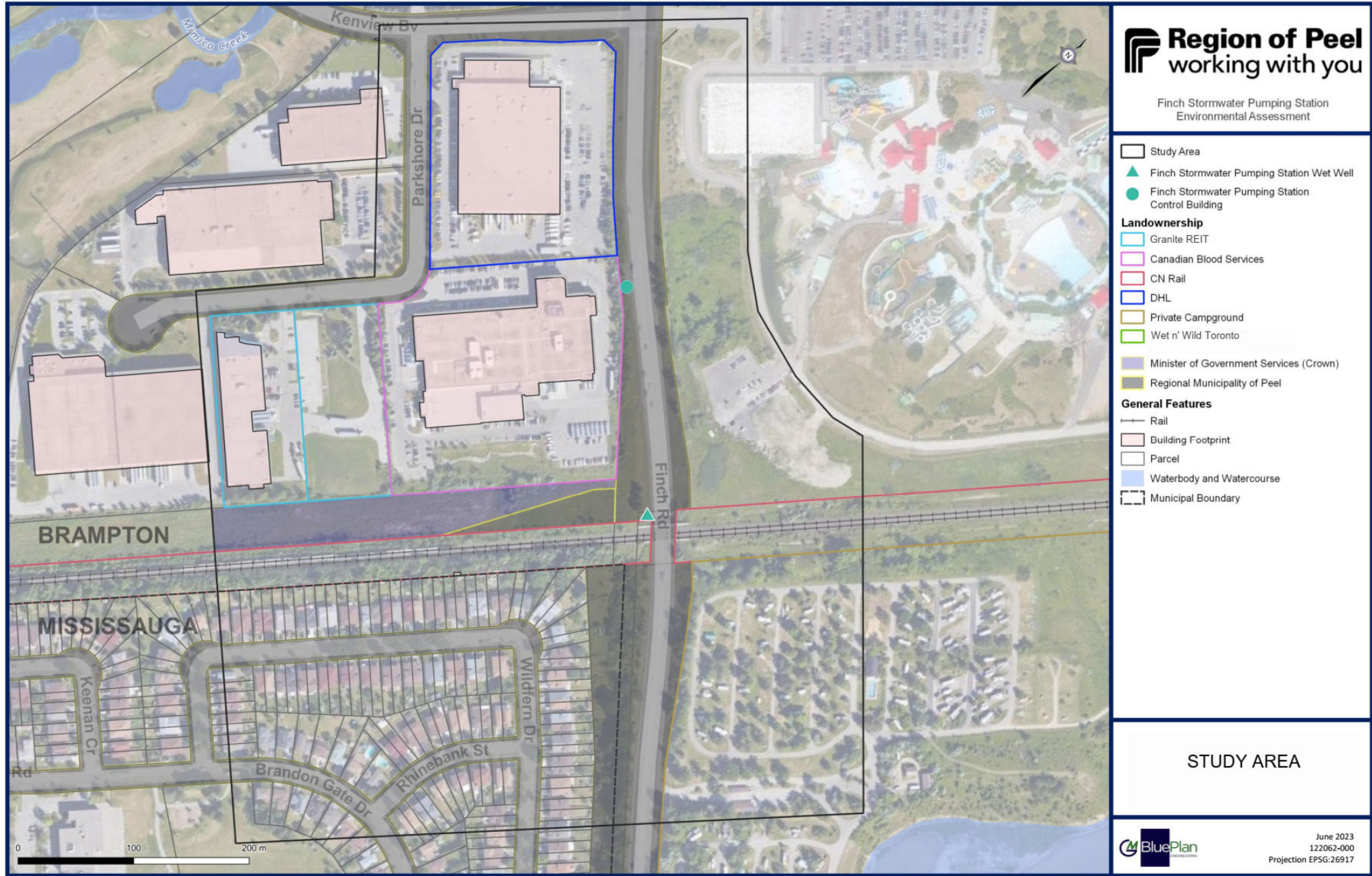


Figure 1 – Finch Stormwater Pumping Station Class EA Study Area

Ana Brankovan - GM BluePlan

From: Ana Brankovan - GM BluePlan
Sent: Friday, June 30, 2023 5:03 PM
To: steve.picard@cnhw.qc.ca
Cc: Rastrullo, Paul; Laura Verhaeghe - GM BluePlan; Eric Duivesteyn - GM BluePlan; cynthia.sioui@cnhw.qc.ca; maxime.picard@cnhw.qc.ca
Subject: Finch Stormwater Pumping Station Upgrades, Brampton, ON (122062)
Attachments: Finch SWPS, Brampton_Letter_Huron Wendat.pdf

Dear Steve,

I hope this email finds you well.

The Region of Peel is in the process of completing a Schedule 'B' Municipal Class Environmental Assessment for the Finch Stormwater Pumping Station upgrades project in Brampton, Ontario. Please see the attached letter outlining the project background and preliminary recommendations.

Note that we are undertaking a Stage 2 Archeological Assessment in the upcoming months. If you would like for a representative to attend, please inform us by July 31.

We look forward to hearing from you. Should you have any questions, we invite you to contact Paul Rastrullo, the Region of Peel Project Manager.

Best Regards,

Ana Brankovan, E.I.T.
Project Designer

GM BluePlan Engineering Limited
650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8
t: 519.824.8150 ext. 1241 | c: 226.820.6493
ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



Ana Brankovan - GM BluePlan

From: Ana Brankovan - GM BluePlan
Sent: Monday, July 17, 2023 11:50 AM
To: administration@wendake.ca
Cc: Rastrullo, Paul; Eric Duivesteyn - GM BluePlan; Laura Verhaeghe - GM BluePlan
Subject: Finch Stormwater Pumping Station Upgrades, Brampton, ON (122062)
Attachments: Finch SWPS, Brampton_Letter_Huron Wendat.pdf

Dear Huron-Wendat Administration,

I hope this email finds you well.

The Region of Peel is in the process of completing a Schedule 'B' Municipal Class Environmental Assessment for the Finch Stormwater Pumping Station upgrades project in Brampton, Ontario. Please see the attached letter with information on the project background and preliminary recommendations. Note that we are undertaking a **Stage 2 Archeological Assessment** in the upcoming months. If you would like for a representative to attend, please inform us by July 31.

Our prior efforts to contact members of your management team over email were not successful (cynthia.siou@cnhw.qc.ca, steve.picard@cnhw.qc.ca). Could you please provide us with contact information for the correct team members.

We look forward to hearing from you. Should you have any questions, we invite you to contact Paul Rastrullo, the Region of Peel Project Manager.

Best Regards,

Ana Brankovan, E.I.T.
Project Designer

GM BluePlan Engineering Limited
650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8
t: 519.824.8150 ext. 1241 | c: 226.820.6493
ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



July 3, 2023

Abby LaForme

Director, Department of Consultation and Accommodation (DOCA)

Mississaugas of the Credit First Nation

2789 Mississauga Road, RR#6

Hagersville, ON, N0A 1H0

RE: Finch Stormwater Pumping Station Upgrades

Dear Mark,

We wish to take this opportunity to inform you of the above noted project. The Region of Peel (Region) is in the process of initiating a Schedule 'B' Municipal Class Environmental Assessment (Class EA) for the Finch Stormwater Pumping Station (facility).

The facility consists of a below ground wet well and control building about 200 meters apart along Finch Avenue West in Brampton. The facility 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 has an important role in maintaining road access to emergency and essential services during storm events. The facility is aging and requires upgrades to bring the equipment to current standards and to provide reliable operation to protect against flooding. This Class EA study serves to identify and evaluate alternative locations for the upgraded facility, with consideration for social, environmental, regulatory, and cost impacts, along with technical feasibility.

As part of this study, the project team delineated a study area and alternative locations, which could accommodate infrastructure for the proposed facility upgrades. Subsequently, the team developed alternative access road options to the wet well to address ongoing operational and maintenance challenges. Based on results of our detailed evaluation, the preliminary preferred solution includes:

1. keep all new facility infrastructure within the existing Region of Peel property;
2. build a new control building and valve chamber at the wet well location within the Region of Peel property and maintain existing wet well;
3. provide an access road to the facility from Finch Ave West within Region of Peel property.

The preliminary preferred solution scored the highest due to the following factors:

- provides sufficient land to house the facility without impacting existing structures;
- no land acquisition is needed;
- solution has highest technical feasibility and lowest potential for social, cultural, and environment impacts.

A Stage 1 Archeological Assessment has been completed as part of this Class EA, which identified small tracts of undisturbed land within the location of the preliminary preferred solution. A Stage 2 Archeological Assessment will be completed in the upcoming months and the Region welcomes your attendance during the dig activities. If you would like a representative to attend, please inform us by July 31st.

This study follows the Schedule 'B' Municipal Class Environmental Assessment (EA) process, as established by the Municipal Engineer's Association Class Environmental Assessment. Following this study, the Region will continue to consult key stakeholders and landowners throughout the specific assessments and design stage of the project.

The Region values its relationships with Indigenous communities, and we appreciate any input or meaningful information you have to offer as the Region proceeds through this project. If your team is interested in hearing more about this project, please contact us to arrange either a virtual or in-person meeting.

We look forward to hearing from you. Should you have any questions, we invite you to please contact me at the email address or phone number below.

Per:

Paul Rastrullo

Project Manager

Region of Peel, Wastewater Collection & Conveyance

paul.rastrullo@peelregion.ca

(905) 452-2760

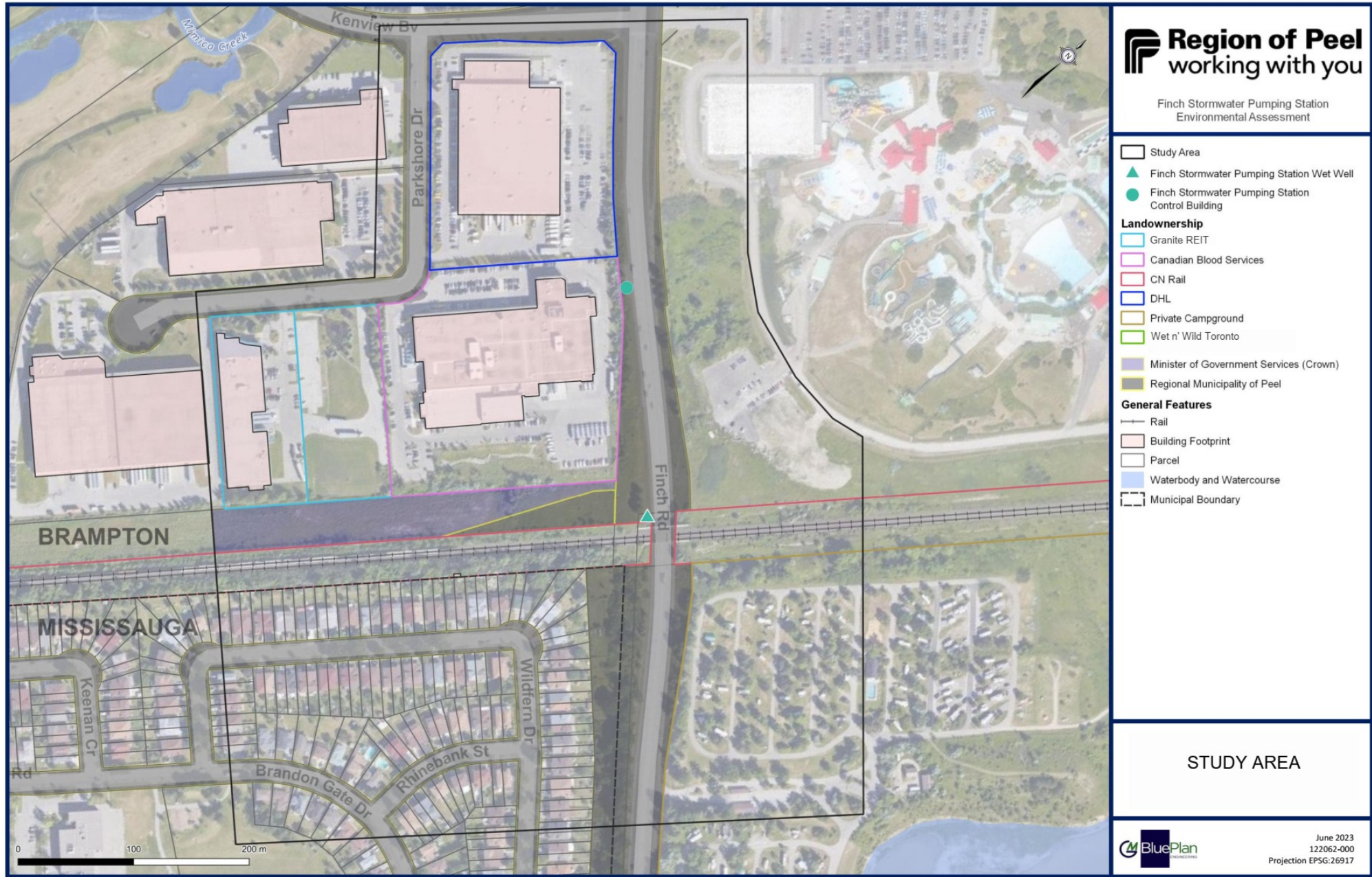


Figure 1 – Finch Stormwater Pumping Station Class EA Study Area

Ana Brankovan - GM BluePlan

From: Ana Brankovan - GM BluePlan
Sent: Monday, July 17, 2023 11:38 AM
To: Adam LaForme; Mark LaForme
Cc: Abby LaForme; Rastrullo, Paul; Eric Duivesteyn - GM BluePlan; Laura Verhaeghe - GM BluePlan
Subject: RE: Finch Stormwater Pumping Station Upgrades, Brampton, ON (122062)

Good Morning Adam,

Hope you are well!

Paul Rastrullo (Region of Peel Project Manager) will be in contact with you to complete administrative components for your participation in the Stage 2 Archeological Assessment for the Finch Stormwater Pumping Station Upgrades project. WSP Canada Inc. (formerly Golder) will be leading the study and may be in contact with you in the coming weeks to coordinate the timing of the site investigation.

Kind Regards,

Ana Brankovan, E.I.T.
Project Designer

GM BluePlan Engineering Limited
650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8
t: 519.824.8150 ext. 1241 | c: 226.820.6493
ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



From: Ana Brankovan - GM BluePlan
Sent: Wednesday, July 05, 2023 5:14 PM
To: Adam LaForme <Adam.LaForme@mncfn.ca>; Mark LaForme <Mark.LaForme@mncfn.ca>
Cc: Abby LaForme <Abby.LaForme@mncfn.ca>; Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>; Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>
Subject: RE: Finch Stormwater Pumping Station Upgrades, Brampton, ON (122062)

Adam,

Thank you for providing information related to MCFN participation process. Our team has just started to plan for the Stage 2 Archeological Assessment; we wanted to confirm your engagement early on.

The project team will review the agreements you sent and will get back to you shortly.

Kind Regards,

Ana Brankovan, E.I.T.
Project Designer

GM BluePlan Engineering Limited



From: Adam LaForme <Adam.LaForme@mncfn.ca>

Sent: Tuesday, July 04, 2023 2:31 PM

To: Mark LaForme <Mark.LaForme@mncfn.ca>; Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>

Cc: Abby LaForme <Abby.LaForme@mncfn.ca>; Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>; Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>

Subject: RE: Finch Stormwater Pumping Station Upgrades, Brampton, ON (122062)

Good Afternoon Ana,

My name is Adam LaForme, I am the Archaeological Operations Supervisor for the Mississaugas of the Credit First Nation (MCFN), in the Department of Consultation and Accommodation (DOCA).

Thank you for reaching out to MCFN, providing project information and inviting us to participate in the Stage 2 Archeological Assessment. MCFN would like to have Field Liaison Representatives ("FLRs") on location while fieldwork is occurring, who can ensure that the Nation's special interests and concerns are respected and considered during fieldwork. Therefore, please find attached the agreements that cover MCFN's participation in the upcoming fieldwork and the review of Archaeological reports related to the project. The costs associated with this involvement reflect a number of expenses not visible at first glance: payment for the FLRs themselves, Meals, Mileage, operational costs for DOCA, and efforts to engage the community to garner feedback on development projects. If you could please fill in the additional required information, highlighted in yellow, and return to us a signed copy so that we may arrange for FLR participation on your project, that would be greatly appreciated.

Once signed agreements are in place, DOCA generally arranges scheduling and other related matters directly with the consultant conducting the fieldwork, unless you prefer otherwise.

If you have any questions or concerns about this process please contact me.

Kind Regards,

Adam LaForme (he/him)

Archaeological Operations Supervisor



Mississaugas of the Credit First Nation (MCFN)
Department of Consultation and Accommodation (DOCA)
4065 Highway 6 North, Hagersville, ON NOA 1H0
Cell 289-527-2763

From: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>

Sent: Friday, June 30, 2023 5:19 PM

To: Mark LaForme <Mark.LaForme@mncfn.ca>

Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>;

Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>; Kerri King <Kerri.King@mncfn.ca>;

MCFN.Consultation <MCFN.Consultation@mncfn.ca>; DOCA Admin <DOCA.Admin@mncfn.ca>

Subject: Finch Stormwater Pumping Station Upgrades, Brampton, ON (122062)

Dear Mark,

I hope this email finds you well.

The Region of Peel is in the process of completing a Schedule 'B' Municipal Class Environmental Assessment for the Finch Stormwater Pumping Station upgrades project in Brampton, Ontario. Please see the attached letter outlining the project background and preliminary recommendations.

Note that we are undertaking a Stage 2 Archeological Assessment in the upcoming months. If you would like for a representative to attend, please inform us by July 31.

We look forward to hearing from you. Should you have any questions, we invite you to contact Paul Rastrullo, the Region of Peel Project Manager.

Best Regards,

Ana Brankovan, E.I.T.

Project Designer

GM BluePlan Engineering Limited

650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8

t: 519.824.8150 ext. 1241 | c: 226.820.6493

ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



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July 6, 2023

Tanya Hill-Montour
Archaeology Supervisor
Six Nations of the Grand River
2498 Chiefswood Road P.O. Box 5000
Ohsweken, ON N0A 1M0

RE: Finch Stormwater Pumping Station Upgrades

Dear Tanya,

We wish to take this opportunity to inform you of the above noted project. The Region of Peel (Region) is in the process of initiating a Schedule 'B' Municipal Class Environmental Assessment (Class EA) for the Finch Stormwater Pumping Station (facility).

The facility consists of a below ground wet well and control building about 200 meters apart along Finch Avenue West in Brampton. The facility 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 has an important role in maintaining road access to emergency and essential services during storm events. The facility is aging and requires upgrades to bring the equipment to current standards and to provide reliable operation to protect against flooding. This Class EA study serves to identify and evaluate alternative locations for the upgraded facility, with consideration for social, environmental, regulatory, and cost impacts, along with technical feasibility.

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The Region values its relationships with Indigenous communities, and we appreciate any input or meaningful information you have to offer as the Region proceeds through this project. If your team is interested in hearing more about this project, please contact us to arrange either a virtual or in-person meeting.

We look forward to hearing from you. Should you have any questions, we invite you to please contact me at the email address or phone number below.

Per:

Paul Rastrullo

Project Manager

Region of Peel, Wastewater Collection & Conveyance

paul.rastrullo@peelregion.ca

(905) 452-2760

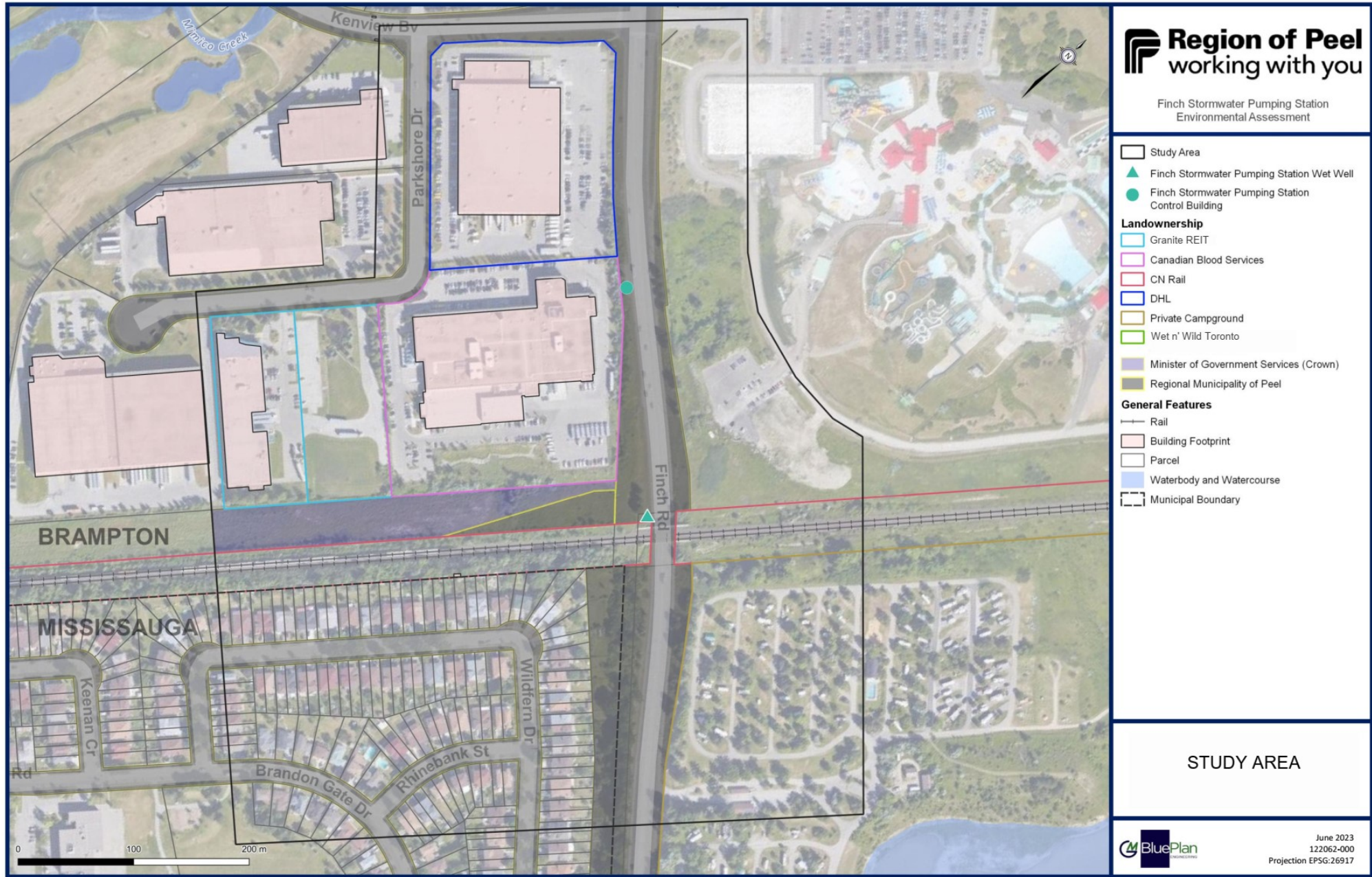


Figure 1 – Finch Stormwater Pumping Station Class EA Study Area

Ana Brankovan - GM BluePlan

From: Ana Brankovan - GM BluePlan
Sent: Monday, July 17, 2023 11:37 AM
To: Tanya Hill-Montour
Cc: Rastrullo, Paul; Eric Duivesteyn - GM BluePlan; Laura Verhaeghe - GM BluePlan; Dawn LaForme
Subject: RE: Finch Stormwater Pumping Station Upgrades, Brampton, ON (122062)

Good Morning Tanya, Dawn,

Hope you are well!

Paul Rastrullo (Region of Peel Project Manager) will be in contact with you to complete administrative components for your participation in the Stage 2 Archeological Assessment for the Finch Stormwater Pumping Station Upgrades project. WSP Canada Inc. (formerly Golder) will be leading the study and may be in contact with you in the coming weeks to coordinate the timing of the site investigation.

Kind Regards,

Ana Brankovan, E.I.T.
Project Designer

GM BluePlan Engineering Limited
650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8
t: 519.824.8150 ext. 1241 | c: 226.820.6493
ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



From: Ana Brankovan - GM BluePlan
Sent: Monday, July 10, 2023 5:13 PM
To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>; Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>; Dawn LaForme <dlaforme@sixnations.ca>
Subject: RE: Finch Stormwater Pumping Station Upgrades, Brampton, ON (122062)

Hi Tanya and Dawn,

Thank you for your interest in this project. We are in the process of finalizing details for the Stage 2 archeological assessment with a subconsultant and will get back to you shortly.

Thank you for your patience.

Kind Regards,

Ana Brankovan, E.I.T.
Project Designer

GM BluePlan Engineering Limited



From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: Thursday, July 06, 2023 9:31 AM
To: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>
Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>;
Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>; Dawn LaForme <dlaforme@sixnations.ca>
Subject: RE: Finch Stormwater Pumping Station Upgrades, Brampton, ON (122062)

Good Morning Ana ,

Hope you been keeping well!

SNGREC has interest in the stage 2. Who is the consulting archaeological company completing the work?

Dawn LaForme will coordinate the standard agreement with you.

Nia':wen ko:wa (thankyou)

Tanya Hill-Montour
SNGR Archaeological Supervisor
226.388.0665

From: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>
Sent: Thursday, July 6, 2023 9:26 AM
To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>;
Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>; Dawn LaForme <dlaforme@sixnations.ca>
Subject: [External] Finch Stormwater Pumping Station Upgrades, Brampton, ON (122062)

Dear Tanya,

I hope this email finds you well.

The Region of Peel is in the process of completing a Schedule 'B' Municipal Class Environmental Assessment for the Finch Stormwater Pumping Station upgrades project in Brampton, Ontario. Please see the attached letter outlining the project background and preliminary recommendations.

Note that we are undertaking a Stage 2 Archeological Assessment in the upcoming months. If you would like for a representative to attend, please inform us by July 31.

We look forward to hearing from you. Should you have any questions, we invite you to contact Paul Rastrullo, the Region of Peel Project Manager.

Best Regards,

Ana Brankovan, E.I.T.
Project Designer

GM BluePlan Engineering Limited

650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8
t: 519.824.8150 ext. 1241 | c: 226.820.6493
ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



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Appendix B: Stakeholder Consultation

Stakeholder Log

Notices

Public Information Centre Presentation

Stakeholder Meeting Minutes

Email Correspondence

Stakeholder Contact Lit and Communications Register

Group	First Name	Last Name	Company/Organization	Department	Job Title	Business Street	Business City	Province	Postal Code	Business Phone	Email Address	Form of Correspondence	Notice of Com. & PIC delivered	Notes
Federal Agency			Crown-Indigenous Relations and Northern Affairs Canada	Environmental Assessment Coordination	Environmental Unit	655 Bay St, Suite 700	Toronto	ON	M5G 2K4	416-973-5282	eacoordination_on@aandc-aadnc.gc.ca	email	18-05-23	Notice of PIC email bounced back
Federal Agency			Environment and Climate Change Canada	Public Inquiries Centre		Fontaine Building 12th floor 200 Sacré-Coeur Blvd	Gatineau	QC	K1A 0H3	1-800-668-6767	enviroinfo@ec.gc.ca	email	18-05-23	
Federal Agency			Fisheries and Oceans Canada	Fish and Fish Habitat Protection Program		867 Lakeshore Road	Burlington	ON	L7S 1A1	1-855-852-8320	fisheriesprotection@dfo-mpo.gc.ca	email	18-05-23	
Federal Agency	Maninder	Sidhu	Parliament of Canada	House of Commons	Member of Parliament	House of Commons	Ottawa	ON	K1A 0A6	905-458-1474	Maninder.Sidhu@parl.gc.ca	email	18-05-23	
Provincial Ministry	Lisa	Myslicki	Infrastructure Ontario	Environmental Management	Environmental Advisor	1 Dundas Street West, Suite 2000	Toronto	ON	M5G 2L5	416-212-3768	lisa.myslicki@infrastructureontario.ca	email	18-05-23	
Provincial Ministry	Rita	Kelly	Infrastructure Ontario		Real Estate Transaction Manager	2 Dundas Street West, Suite 2000	Toronto	ON	M5G 2L5	647 264 3804 416-433-0737	Rita.Kelly@infrastructureontario.ca	email	18-05-23	
Provincial Ministry	Amar	Singh	Infrastructure Ontario		VP Commercial Advisory & Strategy	1 Dundas St. W., Suite 2000	Toronto	ON	M5G 2L5		amar.singh@infrastructureontario.ca	email	18-05-23	
Provincial Ministry			Infrastructure Ontario		Notice Review						noticereview@infrastructureontario.ca	email	18-05-23	2023/May/25 - received read receipt of notice
Provincial Ministry	Susan	Hepditch	DMS Property	IO Property and Land Management Services	Paralegal, Property Administrator, Leasing	310 – Hwy 7	Pickering	ON	L1Y 0A9	905-472-7300 x 228	shepditch@dmsproperty.com	email	18-05-23	License Agreement (Service Provider for IO is DMS Property) Contact
Provincial Ministry	Jackie	Van De Valk	Ministry of Agriculture, Food and Rural Affairs	Land Use Policy & Stewardship, Food Safety and Environmental Policy Branch	Rural Planner	6484 Wellington Road 7, Unit 10	Elora	ON	N0B 1S0	519-846-3415	jackie.vandevalk@ontario.ca	email	18-05-23	
Provincial Ministry	Tanya	Warner	Ministry of Indigenous Relations and Reconciliation	Strategic Policy and Planning Division	Administrative Coordinator	160 Bloor Street East, 9th Floor	Toronto	ON	M7A 2E6	437-229-1707	tanya.warner@ontario.ca	email	18-05-23	Notice of PIC email bounced back
Provincial Ministry	Steven	Strong	Ministry of Natural Resources and Forestry		Policy Advisor	50 Bloomington Road	Aurora	ON	L4G 0L8	905-709-7366	steven.strong@ontario.ca	email	18-05-23	
Provincial Ministry	Darryl	Lyons	Ministry of Municipal Affairs and Housing	Community Planning and Development (West)	Manager	777 Bay Street, 13th Floor	Toronto	ON	M5G 2E5	416-585-6048	darryl.lyons@ontario.ca	email	18-05-23	
Provincial Ministry	Dan	Morley	Ministry of the Attorney General		Inquiries Coordinator	McMurtry-Scott Bldg 11th Flr, 720 Bay St	Toronto	ON	M7A2S9	437-213-8224	dan.r.morley@ontario.ca	email	18-05-23	
Provincial Ministry	Andrea	Brunetti	Ministry of the Environment, Conservation and Parks		Coordinator	5th Flr, 222 Jarvis St	Toronto	ON	M7A 0B6	647-801-7043	andrea.brunetti@ontario.ca	email	18-05-23	
Provincial Ministry	Lisa	Trevisan	Ministry of the Environment, Conservation and Parks	Environmental Assessment and Permissions Division	Asistant Deputy Minister (Acting)	135 St. Clair Avenue West, 14th Floor	Toronto	ON	M4V 1P5	437-778-0794	lisa.trevisan@ontario.ca	email	18-05-23	
Provincial Ministry			Ministry of the Environment, Conservation and Parks	EA Notification							eanotification.cregion@ontario.ca	email	18-05-23	2023/Mar/23 - Emailed notification with link to project website, MECP project form. Noted the project hasn't been officially initiated but we want to get their feedback on indigenous community to engage in advance. 2023/Mar/28 - Received confirmation email of receipt 2023/May/18 - read receipt for notice.
Provincial Ministry	Aurora	Mcallister	Ministry of the Environment, Conservation and Parks		Management Biologist	50 Bloomington Road	Aurora	ON	L4G 0L8	905-713-7732	aurora.mcallister@ontario.ca	email	18-05-23	
Provincial Ministry	Daniel	Delaquis	Ministry of Natural Resources and Forestry	Indigenous Policy	Acting Manager	3rd Flr S, 300 Water St	Peterborough	ON	K9J3C7	437-881-4727	Dan.Delaquis@ontario.ca	email	18-05-23	
Provincial Ministry	Karla	Barboza	Ministry of Tourism, Culture and Sport	Heritage Planning Unit, Program and Services Branch	Team Lead (A), Heritage	401 Bay Street, Suite 1700	Toronto	ON	M7A 0A7	416-314-7120	Karla.barboza@ontario.ca	email	18-05-23	
Provincial Ministry	Dan	Minkin	Ministry of Tourism, Culture and Sport	Heritage Planning Unit, Program and Services Branch	Heritage Planner	401 Bay Street, Suite 1700	Toronto	ON	M7A 0A7	406-314-7147	dan.minkin@ontario.ca	email	18-05-23	

Stakeholder Contact Lit and Communications Register

Group	First Name	Last Name	Company/Organization	Department	Job Title	Business Street	Business City	Province	Postal Code	Business Phone	Email Address	Form of Correspondence	Notice of Com. & PIC delivered	Notes
Provincial Ministry	Susan	Golets	Ministry of Tourism, Culture and Sport	Sport, Recreation and Community Programs Division Policy Branch	Director (A)	777 Bay Street, 18th Floor	Toronto	ON	M7A 1S5	416-314-7696	susan.golets@ontario.ca	email	18-05-23	Notice of PIC email bounced back
Provincial Ministry	Darja	Keith	Ministry of Tourism, Culture and Sport	Sport, Recreation and Community Programs Division Policy Unit	Manager	777 Bay Street, 18th Floor	Toronto	ON	M7A 1S5	416-212-9311	darja.keith@ontario.ca	email	18-05-23	
Provincial Ministry	Carol	Oitment	Ministry of Tourism, Culture and Sport	Sport, Recreation and Community Programs Division Policy Unit	Policy Advisor	777 Bay Street, 18th Floor	Toronto	ON	M7A 1S5	416-314-7205	carol.oitment@ontario.ca	email	18-05-23	Notice of PIC email bounced back
Provincial Ministry	Tom	Hewitt	Ministry of Transportation	Corridor Management Section	Head	159 Sir William Hearst Ave, 7th Floor, Building D	Toronto	ON	M3M 0B7	416-235-3744	tom.hewitt@ontario.ca	email	18-05-23	
Provincial Ministry	Dawn	Irish	Ministry of Transportation	Environmental Policy	Manager	301 St. Paul St, Garden City Tower, 2nd Floor	St. Catharines	ON	L2R 7R4	905-704-3179	dawn.irish@ontario.ca	email	18-05-23	
Provincial Ministry	Frank	Martins	Ministry of Transportation	Strategic Highways Management Office	Contracts Management Engineer	159 Sir William Hearst Ave, 7th Floor, Building D	Toronto	ON	M3M 0B7	416-235-4077	frank.martins@ontario.ca	email	18-05-23	
Provincial Ministry	Moin	Khan	Ministry of Transportation	Program Delivery	Area Manager	159 Sir William Hearst Ave, 7th Floor, Building D	Toronto	ON	M3M 0B7		moin.khan@ontario.ca	email	18-05-23	Notice of PIC email bounced back
Provincial Ministry	Shawn	Aurini	Ministry of Transportation	Corridor Management Section	Corridor Management Engineer	159 Sir William Hearst Ave, 7th Floor, Building D	Toronto	ON	M3M 0B7	416-235-4504	shawn.aurini@ontario.ca	email	18-05-23	
Provincial Ministry	Christian	Singh	Ministry of Transportation	Corridor Management Section	Senior Project Manager	159 Sir William Hearst Ave, 7th Floor, Building D	Toronto	ON	M3M 0B7	416-235-4276	christian.singh@ontario.ca	email	18-05-23	
Conservation Authority	Victoria	Kramkowski	Toronto and Region Conservation Authority	Peel/York Watersheds	Government and Community Relations Specialist	101 Exchange Avenue	Vaughan	ON	L4K 5R6	416-661-6600 x 5707	victoria.kramkowski@trca.ca	email	18-05-23	
Conservation Authority	Marina	Janakovic	Toronto and Region Conservation Authority	Development Planning and Permits	Planner I, Brampton and Mississauga					437-880-2368	marina.janakovic@trca.ca	Email	18-05-23	2023/Mar/23 - Emailed to offer meeting to review preliminary recommendations. Provided link to project website and noted some of the study falls within TRCA regulation area, although preliminary proposed capitals works would be outside TRCA regulated areas. 2023/Apr/06 - Follow up email sent and Marina email response assigned Emma Benko with providing TRCA response on project. 2023/Apr/26 - Marina was cc'd on follow-up email to Emma
Conservation Authority	Emma	Benko	Toronto and Region Conservation Authority	Infrastructure Planning and Permits Department	Planner					437-880-2422	emma.benko@trca.ca	Email, phone	18-05-23	2023/Apr/06 - Marina forwarded project email with meeting request to Emma 2023/Apr/14 - followed up and left voicemail 2023/Apr/26 - follow-up email sent 2023/May/11 - Emma responded with email indicating meeting at this point is not necessary and shared TRCA recommended contact points file. 2023/May/19- Emma responded to Notice of Commencement and PIC and asked if there is land acquisition or access included in the project. GMBP confirmed neither is included in the preliminary preferred alternative. 2023/07/17 - Emma sent formal response to PIC slides and notice of commencement letter. Advised on stormwater retention.

Stakeholder Contact Lit and Communications Register

Group	First Name	Last Name	Company/Organization	Department	Job Title	Business Street	Business City	Province	Postal Code	Business Phone	Email Address	Form of Correspondence	Notice of Com. & PIC delivered	Notes
Conservation Authority	Beth	Williston	Toronto and Region Conservation Authority		Associate Director	5 Shoreham Drive	Downsview	ON	M3N 1S4	416-661-6600 x5217	bwilliston@trca.on.ca	email	18-05-23	
Conservation Authority	John	MacKenzie	Toronto and Region Conservation Authority	C.A.O.'s Office	Chief Executive Officer	5 Shoreham Drive	Toronto	ON	M3N 1S4	416-667-6290	john.mackenzie@trca.ca	email	18-05-23	
Conservation Authority	Sameer	Dhalla	Toronto and Region Conservation Authority	Development and Engineering Services	Director	5 Shoreham Drive	Toronto	ON	M3N 1S4	437-880-2279	Sameer.Dhalla@trca.ca	email	18-05-23	
Conservation Authority	Cindy	Barr	Toronto and Region Conservation Authority			5 Shoreham Drive	Toronto	ON	M3N 1S5		Cindy.Barr@trca.ca	email	18-05-23	
Conservation Authority	Don	Ford	Toronto and Region Conservation Authority	Source Protection Area	Senior Manager - Hydrogeology	101 Exchange Avenue	Vaughan	ON	L4K 5R6	647-287-1550	don.ford@trca.ca	email	18-05-23	
City Representative	Michael	Heralall	City of Brampton		Environmental Engineering Manager	2 Wellington Street West	Brampton	ON	L6Y 4R2		Michael.Heralall@brampton.ca	email	18-05-23	
City Representative	Nerissa	Iacobelli	City of Brampton	Office of the Chief Coporate Services Officer	Coordinator	2 Wellington Street West	Brampton	ON	L6Y 4R2		nerissa.iacobelli@brampton.ca	email	18-05-23	
City Representative	Alex	Milojevic	City of Brampton	Brampton Transit	General Manger	185 Clark Boulevard	Brampton	ON	L6T 4G6		alex.milojevic@brampton.ca	email	18-05-23	
City Representative			City of Brampton		Growth Management	2 Wellington Street West	Brampton	ON	L6Y 4R3		GMP@Brampton.ca	email	18-05-23	
City Representative	Andrew	McNeill	City of Brampton	Official Plan & Growth Management	Manager	2 Wellington Street West	Brampton	ON	L6Y 4R2		Andrew.McNeill@brampton.ca	email	18-05-23	Notice of PIC email bounced back
City Representative	Henrik	Zbogar	City of Brampton	Transportation Planning	Senior Manager	2 Wellington Street West	Brampton	ON	L6Y 4R2		Henrik.Zbogar@brampton.ca	email	18-05-23	
City Representative	Aiysha	Syed	City of Mississauga	Transportation and Works Department, Infrastructure Planning & Engineering Division	Project Lead	300 City Centre Drive	Mississauga	ON	L5B 3C1	905-615-3200 ext.4782	Aiysha.Syed@mississauga.ca	email	18-05-23	2023/May/18 - received read receipt
City Representative	Zvonimir	Miller	City of Mississauga	Transportation & Works Department	Manager of Transportation Projects	300 City Centre Drive	Mississauga	ON	L5B 3C1		Zvonimir.Miller@mississauga.ca	email	18-05-23	
City Representative	Emma	Calvert	City of Mississauga	Transportation & Infrastructure Planning Division	Manager of Development Engineering	300 City Centre Drive	Mississauga	ON	L5B 3C1		emma.calvert@mississauga.ca	email	18-05-23	2023/May/29 - received read receipt
City Representative	Felicia	Wong	City of Mississauga	Planning & Building, Development South Section	Administrativer Assistant	300 City Centre Drive	Mississauga	ON	L5B 3C1	905-615-3200 x. 5533	felicia.wong@mississauga.ca	email	18-05-23	
City Representative	Geoff	Wright	City of Mississauga	Transportation & Works	Commissioner	300 City Centre Drive	Mississauga	ON	L5B 3C1	905-615-3200 x5544	Martin.Powell@mississauga.ca	email	18-05-23	
City Representative	Joe	Muller	City of Mississauga	Heritage Planning	Supervisor	300 City Centre Drive	Mississauga	ON	L5B 3C1	905-615-3200 x5366	joe.muller@mississauga.ca	email	18-05-23	
City Representative	Evelyn	Krolicka	City of Mississauga		Storm Drainage Class EA Coordinator	300 City Centre Drive	Mississauga	ON	L5B 3C1	905-615-3200 x 5921	evelyn.krolicka@mississauga.ca	email	18-05-23	
City Representative	Maogosha	Pyjor	City of Toronto		Sr. Public Consultation Coordinator	55 John Street, Metro Hall, 19th Floor	Toronto	ON	M5V 3C6	416-338-6866	maogosha.pyjor@toronto.ca	email	18-05-23	
City Representative	Kurtis	Elton	City of Toronto			56 John Street, Metro Hall, 19th Floor	Toronto	ON	M5V 3C7		Kurtis.Elton@toronto.ca	email	18-05-23	
Rail/Transit	Jackie	Sapp	Canadian National Railway	Public Works, Design and Construction	Manager of Public Works for the Southern Ontario Region	1 Administration Road	Concord	ON	L4K 1B9		Jackie.sapp@cn.ca	Email	18-05-23	2023/Mar/30 - Jackie was included in project email correspondence by Julianne. 2023/Apr/06 - sent follow up email to request meeting to review preliminary recommendations and inform that proposed construction works is near CN rail line. 2023/May/04 - sent another follow-up email requesting a meeting and info for another contact if needed.

Stakeholder Contact Lit and Communications Register

Group	First Name	Last Name	Company/Organization	Department	Job Title	Business Street	Business City	Province	Postal Code	Business Phone	Email Address	Form of Correspondence	Notice of Com. & PIC delivered	Notes
Rail/Transit	Julianne	Threlfall	Canadian National Railway	Public and Government Affairs	Manager	1 Administration Road	Concord	ON	L4K 1B9		Julianne.Threlfall@cn.ca	Email	No (assigned to northern canada)	2023/Mar/23 - Emailed to request meeting to review preliminary recommendations and inform that proposed construction works is near CN rail line. 2023/03/29 - Julianne response indicated she is no longer the correct contact and provided new contact information for the Manager of Public Works for the Southern Ontario region. 2023/May/04 - cc'd on follow-up email to Jackie.
Rail/Transit	Umair	Naveed	Canadian National Railway							905-669-3184	umair.naveed@cn.ca	Email, phone	18-05-23	New contact information from CN general inquiry line. 2023/May/18 - email notice sent with explanation that contact information for responsible party is required.
Rail/Transit	Salar	Zulfiquar	Canadian National Railway								salar.zulfiquar@cn.ca	Email, phone	19-05-23	2023/May/25 - Salar called to discuss project and arrange meeting. Meeting booked. 2023/June/02 - Virtual meeting with CN members. Refer to meeting minutes.
Rail/Transit			Canadian Pacific Rail (CPKC)	Corporate Office	Planning Coordinator	1270 Central Pkwy W	Mississauga	ON	ON L5C 4P4			mail	18-05-23	
Rail/Transit	Joe	Van Humbeck	CP Rail	Environmental Assessments	Manager	7550 Ogden Dale Rd SE	Calgary	AB	T2C 4X9	4,033,196,530	joe_vanhumbeck@cpr.ca	email	18-05-23	
Rail/Transit			Brampton Zum Transit			185 Clark Boulevard	Brampton	ON	L6T 4G6	905.874.2999	transit@brampton.ca	email	18-05-23	
Rail/Transit	Jason	Ryan	GO Transit		Manager Of Marketing & Planning	10 Bay Street	Toronto	ON	M5J 2W3	416-202-4895	jason.ryan@metrolinx.com	email	18-05-23	
EMS	Nancy	Macdonald-Duncan	City of Mississauga	Fire and Emergency Services	Acting Fire Chief	7535 Ninth Line	Mississauga	ON	L5N 7C3	905-615-3570	nancy.macdonald-duncan@mississauga.ca	email	18-05-23	
EMS	Nish	Duraiappah	Peel Region Police		Chief	7750 Hurontario Street	Brampton	ON	L6V 3W6			Mail	18-05-23	
EMS	Peter	Dundas	Region of Peel	Peel Regional Paramedic Services	Chief and Director	1600 Bovair Dr. E., 2nd Floor	Brampton	ON	L6R 3S8		peter.dundas@peelregion.ca	email	18-05-23	
EMS	Bill	Boyes	City of Brampton	Brampton Fire and Emergency Services	Fire Chief	8 Rutherford Road South	Brampton	ON	L6W 3J1	905-874-2722	bill.boyes@brampton.ca	email	18-05-23	
Utility	John	La Chapelle	Bell Canada		Planner/Manager	100 Borough Drive, 5th Floor - Blue	Scarborough	ON	M1P 4E2		rowcentre@bell.ca	email	18-05-23	
Utility	Jim	Leworthy	Bell Canada		Manager, Municipal Access	444 Millard Avenue	Newmarket	ON	L3Y 6J7		james.leworthy@bell.ca	email	18-05-23	
Utility	Emilio	Labra	Enbridge Gas Distribution Inc.	Planning - GTA-W	Sr. Advisor Construction Project Management	500 Consumers Road	North York	ON	M2J 1P8	905-458-3811 (Tel) 416-427-4386 (cell)	Emilio.Labra@enbridge.com>	Email	18-05-23	2023/Mar/23 - Emailed to request meeting to review preliminary recommendations and inform that existing wetwell is close to Enbridge transmission gas line and proposed works will be in close proximity to Enbridge infrastructure. 2023/Apr/04 - Emilio responded to inform a formal application with markups needs to be submitted for comments to mark-ups@enbridge.com. GMBP responded with another offer to review preliminary drawings prior to markup. Emilio confirmed CER Pipeline Group needs to review markups. No further correspondence was pursued at this stage. 2023/May/24 - recieved read receipt for notice
Utility			Alectra Inc.		Environmental Assessment Coordinator	2185 Derry Road West	Mississauga	ON	L5N 7A6			mail	18-05-23	
Utility			Alectra Energy Solutions		Environmental Assessment Coordinator	161 Cityview Boulevard	Vaughan	ON	L4H 0A9			mail	18-05-23	
Utility			Alectra Utilities - Operations Centre		Manager of Engineering	175 Sandalwood Parkway West	Brampton	ON	L7A 1E8	905-460-5564		mail	18-05-23	
Utility			Hydro One Brampton Networks Inc		Manager of Environmental Services	175 Sandalwood Parkway West	Brampton	ON	L7A 1E8			mail	18-05-23	

Stakeholder Contact Lit and Communications Register

Group	First Name	Last Name	Company/Organization	Department	Job Title	Business Street	Business City	Province	Postal Code	Business Phone	Email Address	Form of Correspondence	Notice of Com. & PIC delivered	Notes
Utility			Hydro One Networks Inc.	Secondary Land Use Dept.		484 Bay Street, North Tower, 15th Floor	Toronto	ON	M5G 2P5		Susan.SUN@HydroOne.com	email	18-05-23	2023/May/23 recent email letter of acknowledgement
Utility	Greg	Gowan	Hydro One								greg.gowan@hydroone.com	email	18-05-23	
Utility	Edgar	Henriquez	Rogers Cable		Environmental Coordinator	3573 Wolfedale Road	Mississauga	ON	L5C 3T6	905-897-6457	edgar.henriquez@rci.rogers.com	email	18-05-23	
Utility	Agatha	La Donne	Rogers Cable	Planning Coordinator		3573 Wolfedale Road Mississauga		ON	L5C 3T6			Mail	18-05-23	
Utility	Richard	Humpage	Rogers Cable		Environmental Coordinator	244 Newkirk Road	Richmond Hill	ON	L4C 3S5	905-780-7014	richard.humpage@rci.rogers.com	email	18-05-23	
Special Interest Group	Megan	Piercey	Mississauga Cycling Advisory Committee		Legislative Coordinator	299 City Centre Drive	Mississauga	ON	L5B 3C1	905-615-3200 ext. 4915	megan.piercey@mississauga.ca	email	18-05-23	
Special Interest Group	Chris	Fonseca	Mississauga Cycling Advisory Committee		Committee Chair	300 City Centre Drive	Mississauga	ON	L5B 3C1	905-896-5300	chris.fonseca@mississauga.ca	email	18-05-23	
Special Interest Group	Tammi	Jackson	Brampton Cycling Advisory Committee		Legislative Coordinator					905.874.3829	cityclerksoffice@brampton.ca	email	18-05-23	
Special Interest Group	Paula	Tenuta	Building Industry and Land Development Association	Vice-President, Policy & Government Relations	Director Government Relations	20 Upjohn Rd, Suite 100	North York	ON	M3B 2V9	416-391-3445	ptenuta@bildgta.ca	email	18-05-23	
Special Interest Group			Building Industry and Land Development Association (BILD)			20 Upjohn Road, Suite 10	Toronto	ON	M2J 5B4	416-391-3445	info@bildgta.ca	email	18-05-23	
Special Interest Group	Priya	Ramsingh	Ontario Building Officials Association		Senior Communications Lead	200 Marycroft Avenue, Unit 8	Woodbridge	ON	L4L 5X4	437-247-2497 Ex: 221 905 264-1662 (general)	priya@oboa.on.ca	email	18-05-23	
Special Interest Group	Suzanne	Blakeman	Peel District School Board	Planning and Accommodation Department		5650 Hurontario Street	Mississauga	ON	L5R 1C6	905-890-1010 x2216	suzanne.blakeman@peelsb.com	email	18-05-23	
Special Interest Group	Krystina	Koops	Dufferin-Peel Catholic District School Board		Planner					905-890-0708 x24407	krystina.koops@dpcdsb.org	email	18-05-23	
Special Interest Group	Stephanie	Cox	Dufferin-Peel Catholic District School Board	Planning Department	Manager	40 Matheson Boulevard West	Mississauga	ON	L5R 1C5	905-890-0708 x24163	stephanie.cox@dpcdsb.org	email	18-05-23	
Special Interest Group	Jayne	Gaspar	Heritage Mississauga		Executive Director	The Grange1921 Dundas Street West	Mississauga	ON	L5K 1R2	905-828-8411 x. 31	jgaspar@heritagemississauga.org	email	18-05-23	
Special Interest Group	Alice	Casselman	The Association for Canadian Educational Resources (ACER)		President	92 Lakeshore Rd E, Suite 202	Mississauga	ON	L5G 4S2	905-891-6004	alice.casselman@acer-acre.ca	email, phone	18-05-23	2023/May/18 - Alice responded to notice of commencement/PIC email requesting a call regarding riparian zone integrity and also called GMBP office. GMBP followed up with phone call and clarified no construction is proposed near a water course, TRCA lands, and no impacts to riparian zones is expected. Stakeholder introduced organization and clarified they can provide assistance in the future if needed.
Special Interest Group			North Etobicoke Resident Council (NERC)			21 Panorama Court	Toronto	ON	M9V 4E3	(416) 741-3000	info@northetobicokeresidentcouncil.org	email	18-05-23	
Special Interest Group	Keith	Garbutt	Peel Federation Of Agriculture			12171 Heritage Road	Kleinburg	ON	L7C 0Y6	905-846-7676	dkg@sympatico.ca	email	18-05-23	
Special Interest Group	Ranjana	Mitra	Community Environment Alliance of Peel								info@communityenvironment.org	email	18-05-23	Notice of PIC email bounced back
Special Interest Group	Bill	Mcilveen	Halton-North Peel Naturalists Club								wmcilveen@sympatico.ca	email	18-05-23	
Property Owner / Resident	Steve	Mayer	Wet'n'Wild Toronto		General Manager (Toronto)	7855 Finch Ave W	Brampton	ON	L6T 0B2	(416) 369-0123	info@wetwildtoronto.com	email, phone	18-05-23	2023/Apr/25 - Emailed to request meeting to review preliminary recommendations and discuss anticipated construction works in close proximity to their property. 2023/Apr/27 - Steve called GMBP for more information and responded to email. Meeting was scheduled for May 4.

Stakeholder Contact Lit and Communications Register

Group	First Name	Last Name	Company/Organization	Department	Job Title	Business Street	Business City	Province	Postal Code	Business Phone	Email Address	Form of Correspondence	Notice of Com. & PIC delivered	Notes
Property Owner / Resident	Krishna	Ramachandran	Canadian Blood Services			100 Parkshore Dr	Brampton	ON	L6T 5M1	416-662-9305	krishna.ramachandran@blood.ca	email	18-05-23	2023/Apr/25 - Emailed to request meeting to review preliminary recommendations and discuss anticipated construction works in close proximity to their property. 2023/May/03 - Follow-up email sent. 2023/May/19 - Contact sent PIC notice read receipt and responded to initial email with meeting request asking to connect. 2023/May/24 - GMBP followed up to coordinate a meeting via email. Contact could not be reached by phone or accept voicemail. Meeting invite sent. 2023/June/02 - Virtual meeting with Krishna. Refer to meeting minutes.
Property Owner / Resident	Rohan	Gandhi	Bental Green Oak		Assistant Property Manager	1875 Buckhorn Gate, Suite 601	Mississauga	ON	L4W 5P1	437-684-5518	Rohan.Gandhi@bentalgreenoak.com	email	18-05-23	DHL is their tenant
Property Owner / Resident			DHL Express			19 Parkshore Dr	Brampton	ON	L6T 5M2	(855) 345-7448		mail	18-05-23	DHL rents
Property Owner / Resident			Indian Line Campground			7625 Finch Ave W	Brampton	ON	L6T 0B2	1-855-811-0111	iline@trca.on.ca	email, mail	18-05-23	
Property Owner / Resident			iRange Toronto			7855 Finch Ave W	Brampton	ON	L6T 0B2	905-794-4855	info@irangetoronto.com	email, mail	18-05-23	
Property Owner / Resident			JD Crossdock			50 Kenview Blvd	Brampton	ON	L6T 5S8	647-502-8884		mail	18-05-23	
Property Owner / Resident			Sunne Way Enterprises Inc			3925 Steeles Ave E	Brampton	ON	L6T 5W5	905-799-8890	info@sunneway.ca	email, mail	18-05-23	Notice of Commencement and PIC mail was returned to sender. No further mail was sent.
Property Owner / Resident			Vitran Logistics Limited			3925 Steeles Ave E	Brampton	ON	L6T 5W5	905-792-0898	sales@vitran.com	email, mail	18-05-23	Notice of Commencement and PIC mail was returned to sender. No further mail was sent.
Property Owner / Resident			MacMillan Supply Chain Group			3925 Steeles Ave E	Brampton	ON	L6T 5W6	416-941-2759	info@macmillanscg.com	email, mail	18-05-23	
Property Owner / Resident			Can Art Aluminum Extrusion Inc			85 Parkshore Dr	Brampton	ON	L6T 5M1	905-791-1464		mail	18-05-23	
Property Owner / Resident			General Cable			156 Parkshore Dr	Brampton	ON	L6T 5M1	905-494-5300		mail	18-05-23	
Property Owner / Resident			Stelfast			5 Parkshore Dr	Brampton	ON	L6T 5M1	905-670-9400		mail	18-05-23	
Property Owner / Resident			Gesco Group of Companies / Shnier			51 Kenview Blvd	Brampton	ON	L6T 5S8	905-789-3755		mail	18-05-23	Notice of Commencement and PIC mail was returned to sender. No further mail was sent.
Property Owner / Resident	Tim	Fox	Granite REIT	Investments & Asset Management	Associate Director	Parkshore Dr.	Brampton	ON	L6T 5M1	647-925-7512 416-303-2900 (cell)	tfox@granitereit.com	email	18-05-23	Former Brita. 2023/Apr/25 - Emailed to request meeting to review preliminary recommendations and discuss anticipated construction works in close proximity to their property. 2023/Apr/26 - Tim responded with meeting times 2023/Apr/27 - Meeting invite sent 2023/May/04 - MS Teams meeting, refer to minutes .
Property Owner / Resident	Mario	Pecile	Granite REIT								mpecile@granitereit.com	email	18-05-23	2023/Apr/26 - cc'd in Tim's response with meeting times 2023/Apr/27 - Meeting invite sent 2023/May/04 - MS Teams meeting, refer to minutes
Property Owner / Resident	Alison	Clements	Granite REIT								aclements@granitereit.com	email	18-05-23	2023/Apr/26 - cc'd in Tim's response with meeting times 2023/Apr/27 - Meeting invite sent. Accepted May 4 meeting but did not attend.
Property Owner / Resident	Namita	Shrivastava	Granite REIT								nshrivastava@granitereit.com	email	18-05-23	2023/Apr/26 - cc'd in Tim's response with meeting times 2023/Apr/27 - Meeting invite sent 2023/May/04 - MS Teams meeting, refer to minutes

NOTICES OF STUDY COMMENCEMENT AND PUBLIC INFORMATION CENTRE Finch Stormwater Pumping Station Upgrades, Schedule B Class Environmental Assessment

Background:

The Region of Peel has initiated a Schedule B Class Environmental Assessment (EA) for the Finch Stormwater Pumping Station (SWPS). The Finch SWPS was constructed in 1984 and 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 meet current standards and to ensure continued reliable operation of the facility. This study will evaluate alternative locations for the upgraded facility, with consideration for social, environmental, regulatory, technical feasibility and costs.

Process:

This Class EA study will be completed as a Schedule B undertaking in accordance with the requirements of the Municipal Class Environmental Assessment process. The Class EA process includes public and review agency consultation, evaluation of alternatives, an impact assessment of the recommended alternative, and identification of measures to mitigate potential adverse effects.

Virtual Public Information Centre

As part of the Class EA study, a virtual public information centre (PIC) will be held to allow interested members of the public to learn more about the study background, the list of station upgrade alternatives, the evaluation process and the preliminary evaluation results. The PIC virtual presentation will be made available at www.peelregion.ca/public-works/environmental-assessments/brampton/finch-stormwater starting on **Thursday, June 1, 2023** and ending on **Thursday, June 15, 2023**. The public will have the opportunity to provide comments on the study and the preferred alternative through the Region's website or by contacting the Region's Project Manager, below.

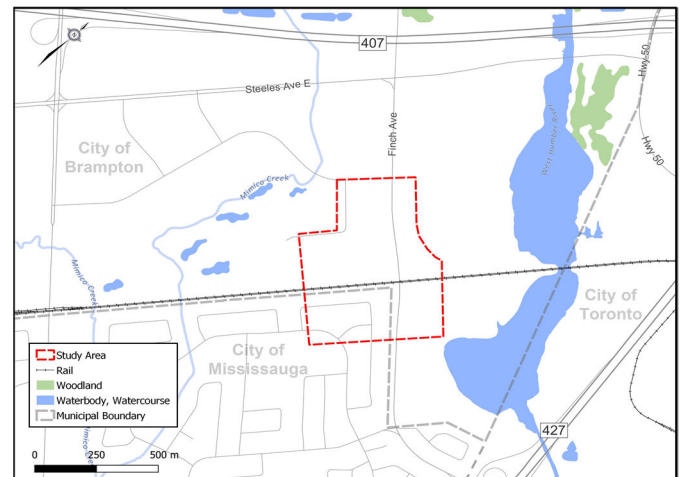
Contact:

To be added to the mailing list, to receive further information or to provide comments on the Class EA study, please contact:

Paul Rastrullo, Project Manager
905-791-7800, ext.7698
Paul.Rastrullo@peelregion.ca

For more information on this Class EA studies visit the Region's website at: peelregion.ca/public-works/environmental-assessments/

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 May 18, 2023.

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*.

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*



Eric Duivesteyn
*GM BluePlan Engineering
Project Manager*

Laura Verhaeghe
*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 so, 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)**.



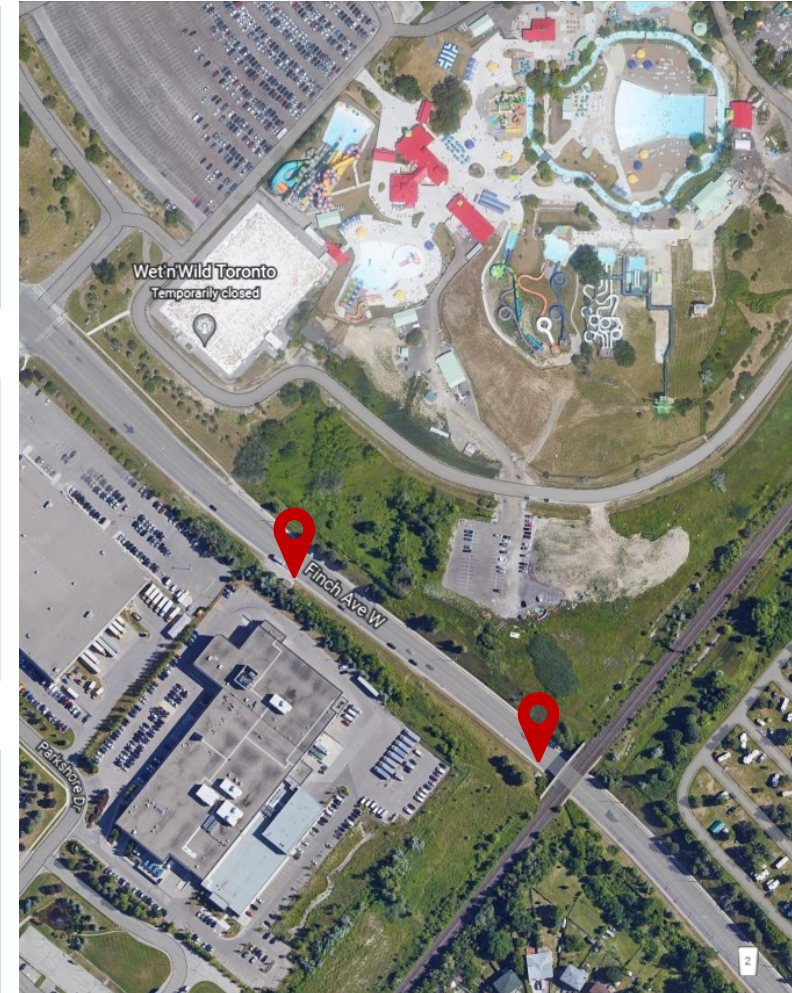
Where?

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.

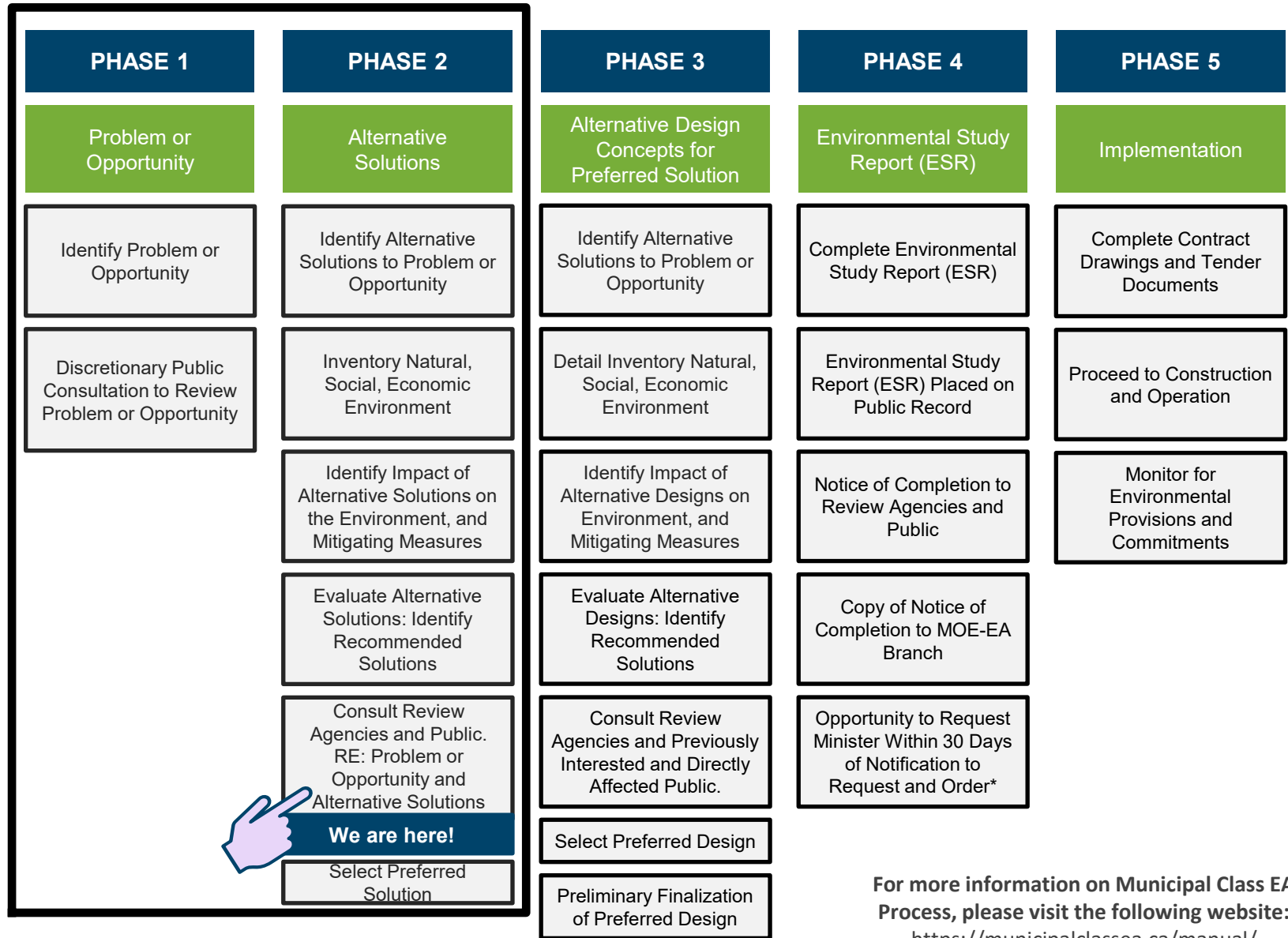
Project Approach



Municipal Class EA Process

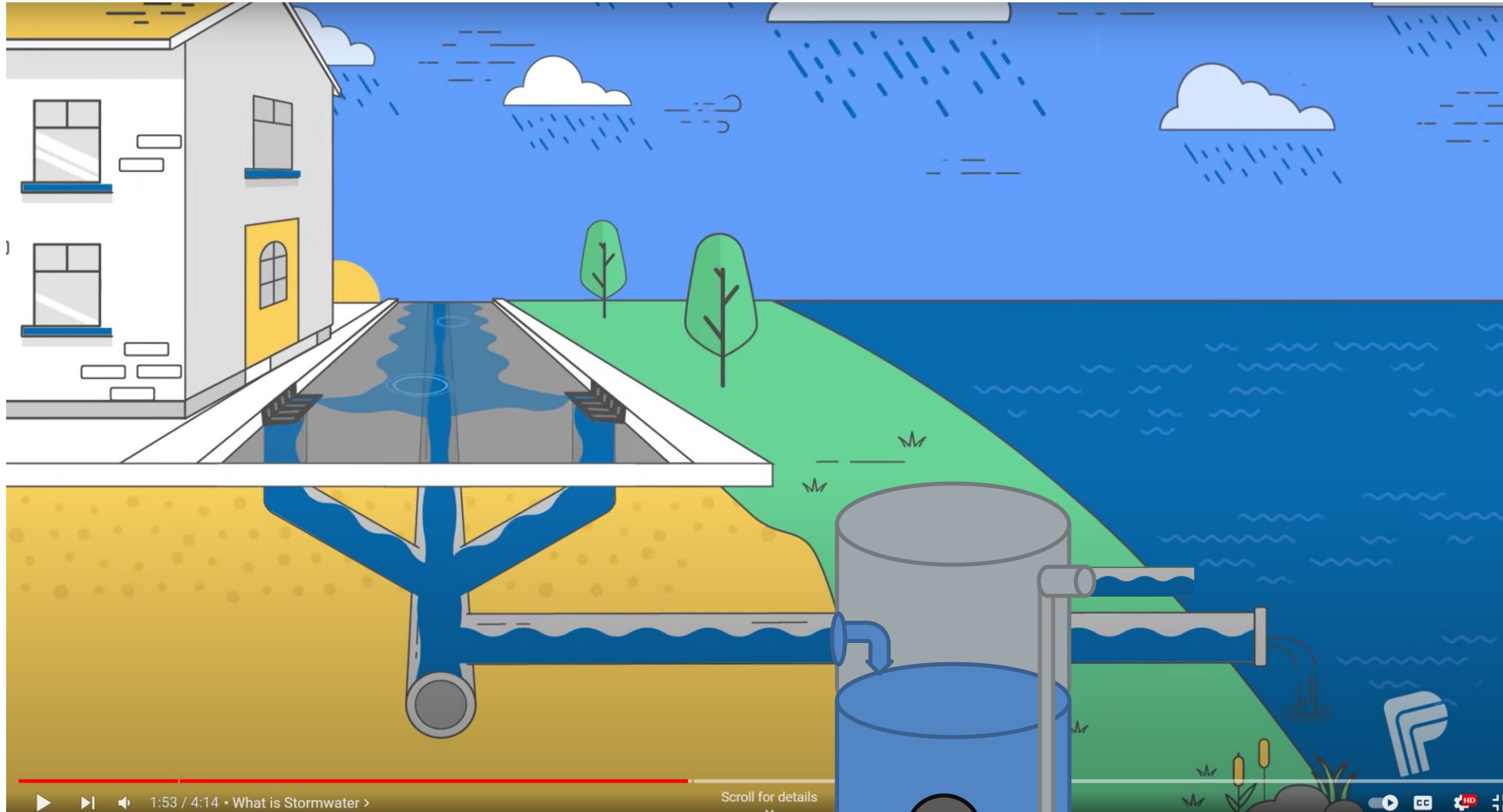
This study is following the **Municipal Class Environmental Assessment (EA)** process, which is a decision-making process that all Ontario municipalities follow for rehabilitating and building new infrastructure.

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



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.

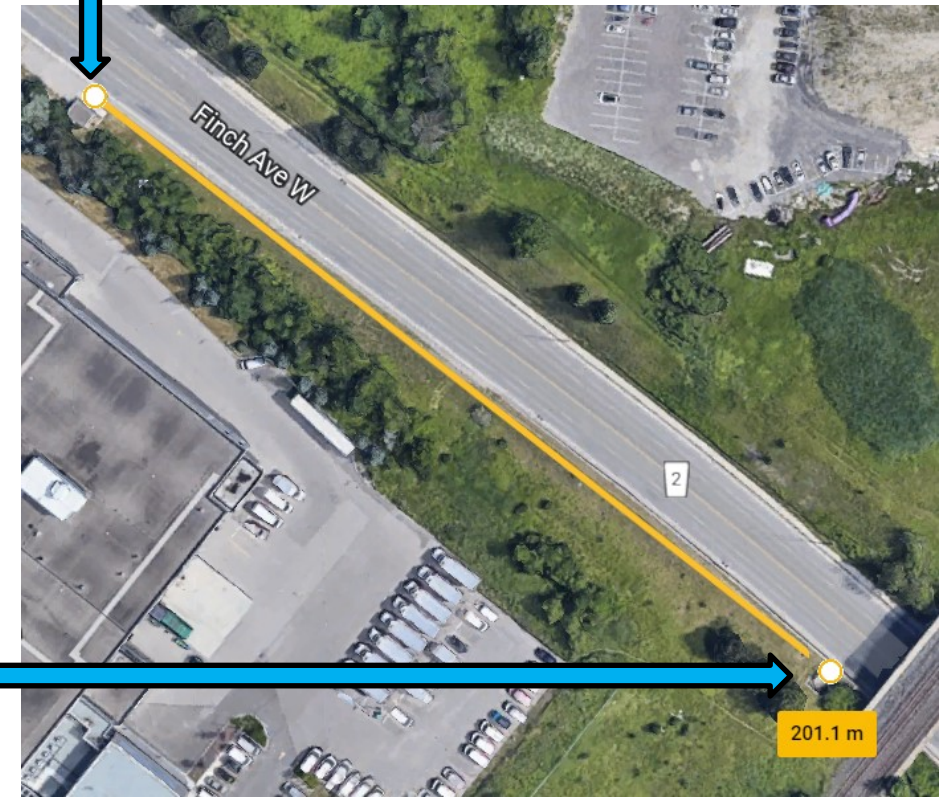
Existing Conditions

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.



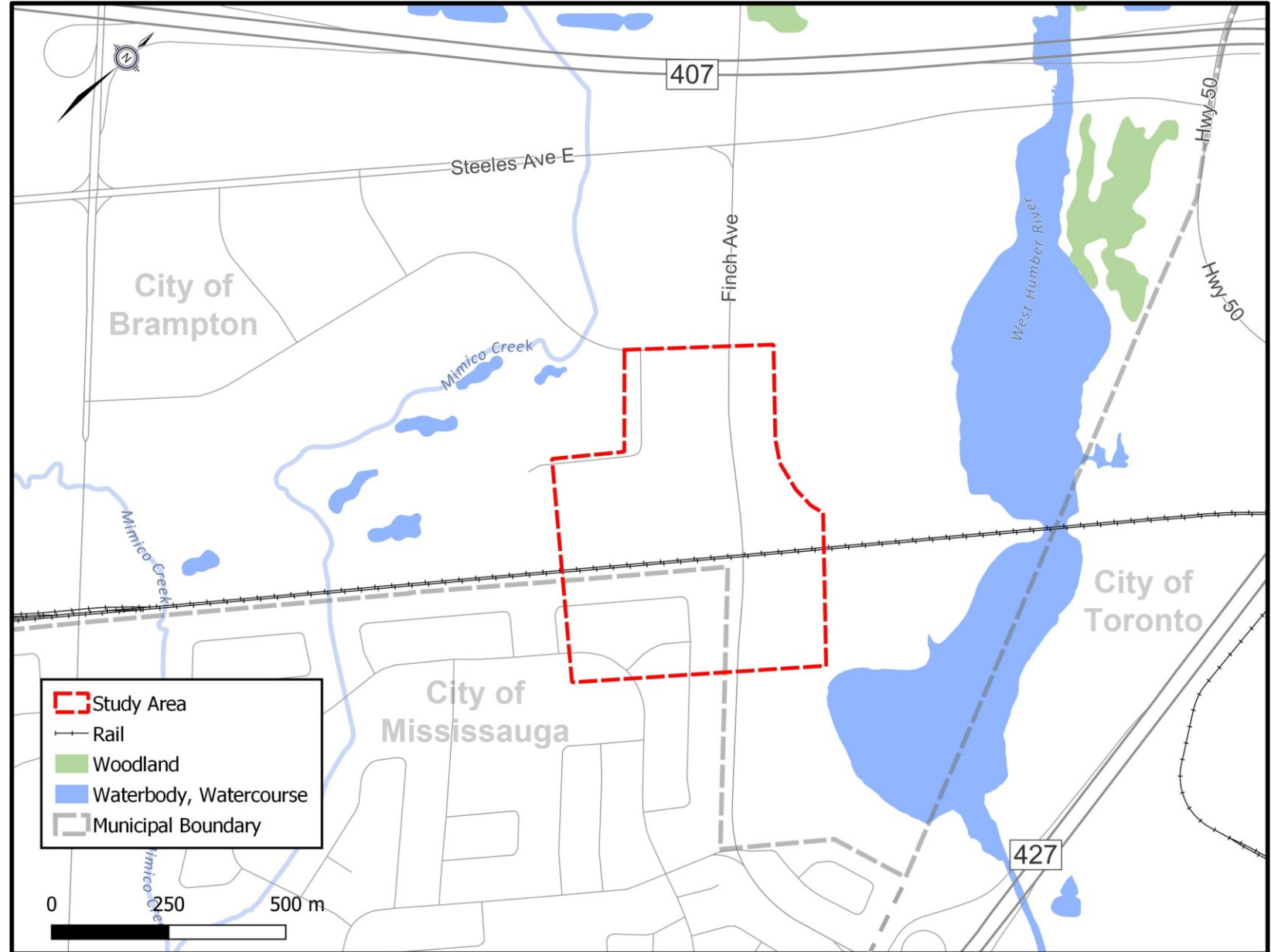
Phase 1: Problem and Opportunity Statement

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.

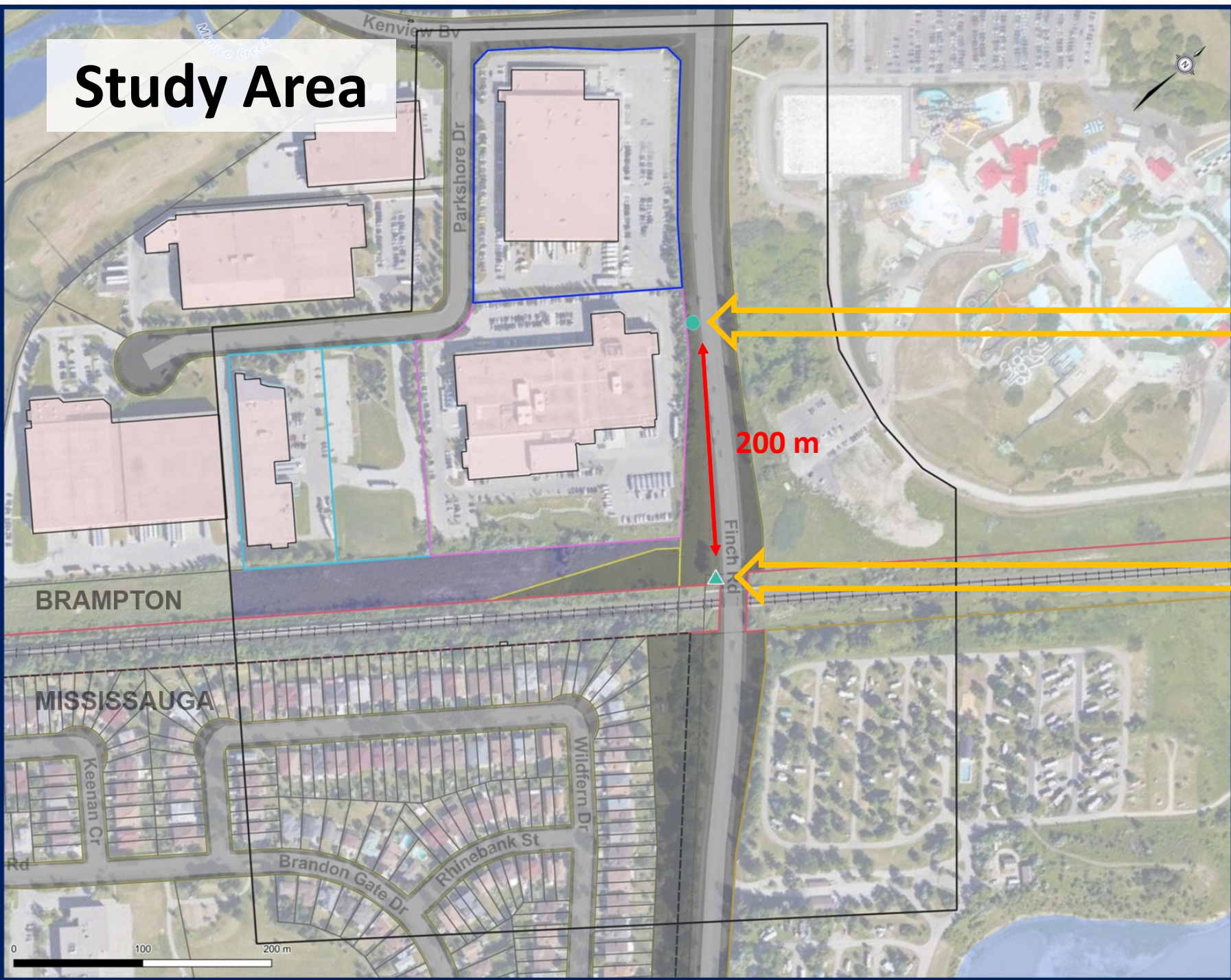
The station is aging and requires upgrades to bring the equipment to current standards and address increasing climate change impacts.

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



Study Area



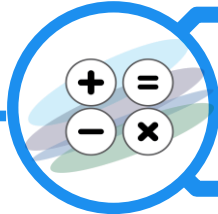
Control Building

Wet Well

Alternatives Evaluation Approach



STEP 1
**Develop Long List
of Alternative Locations**



STEP 2
**Screening Level Evaluation
(PASS/FAIL)**



STEP 3
**Develop Short List of Alternative Control
Building Locations within Preferred Area(s) and
complete detailed evaluation**

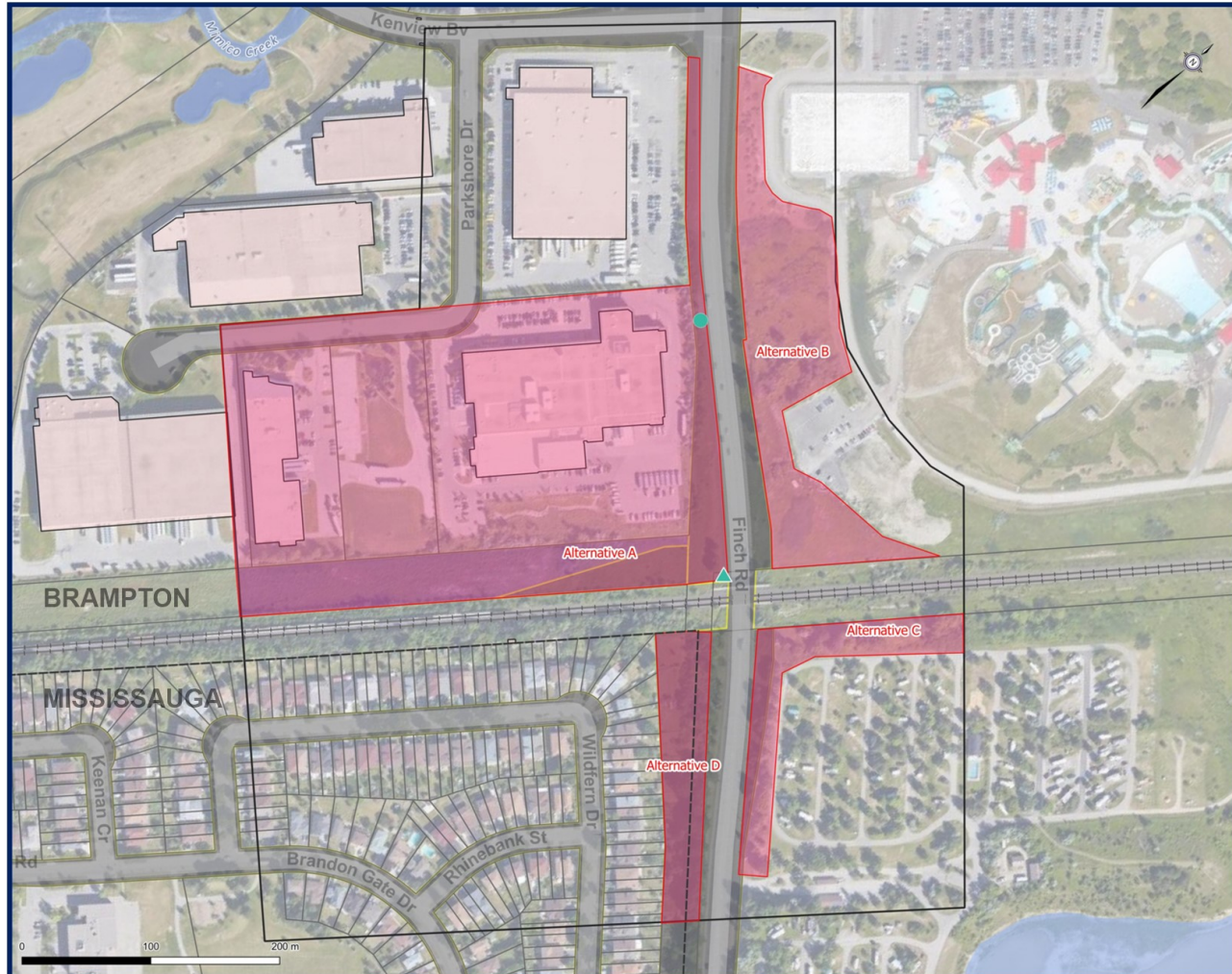


STEP 4
**Develop Short List of Alternative Access Road
Alignments for Preferred Control Building
Location and complete detailed evaluation**



STEP 5
**Determine preferred facility upgrade
alternative in consultation with stakeholders**

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



Finch Stormwater Pumping Station

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



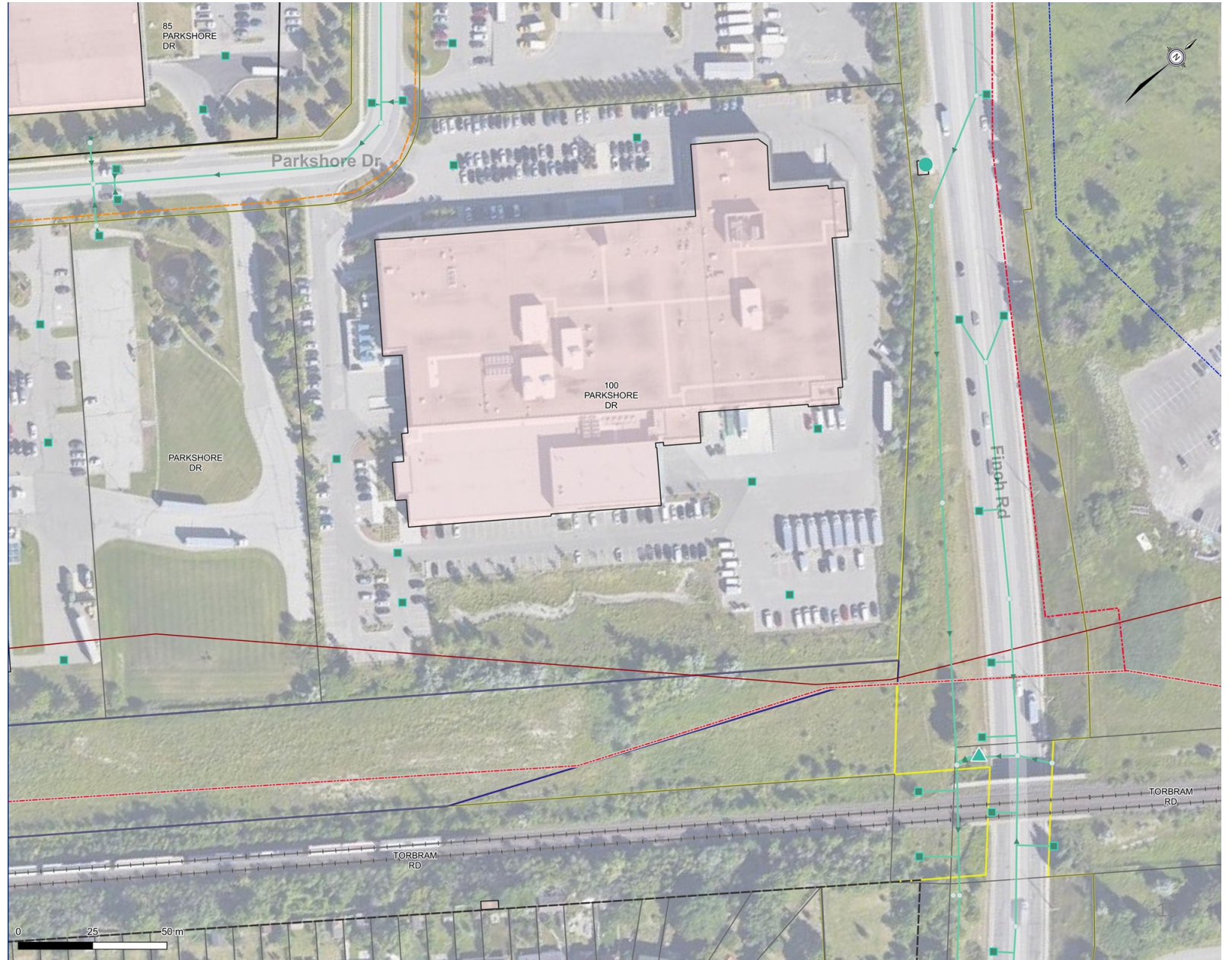
Economic Considerations

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



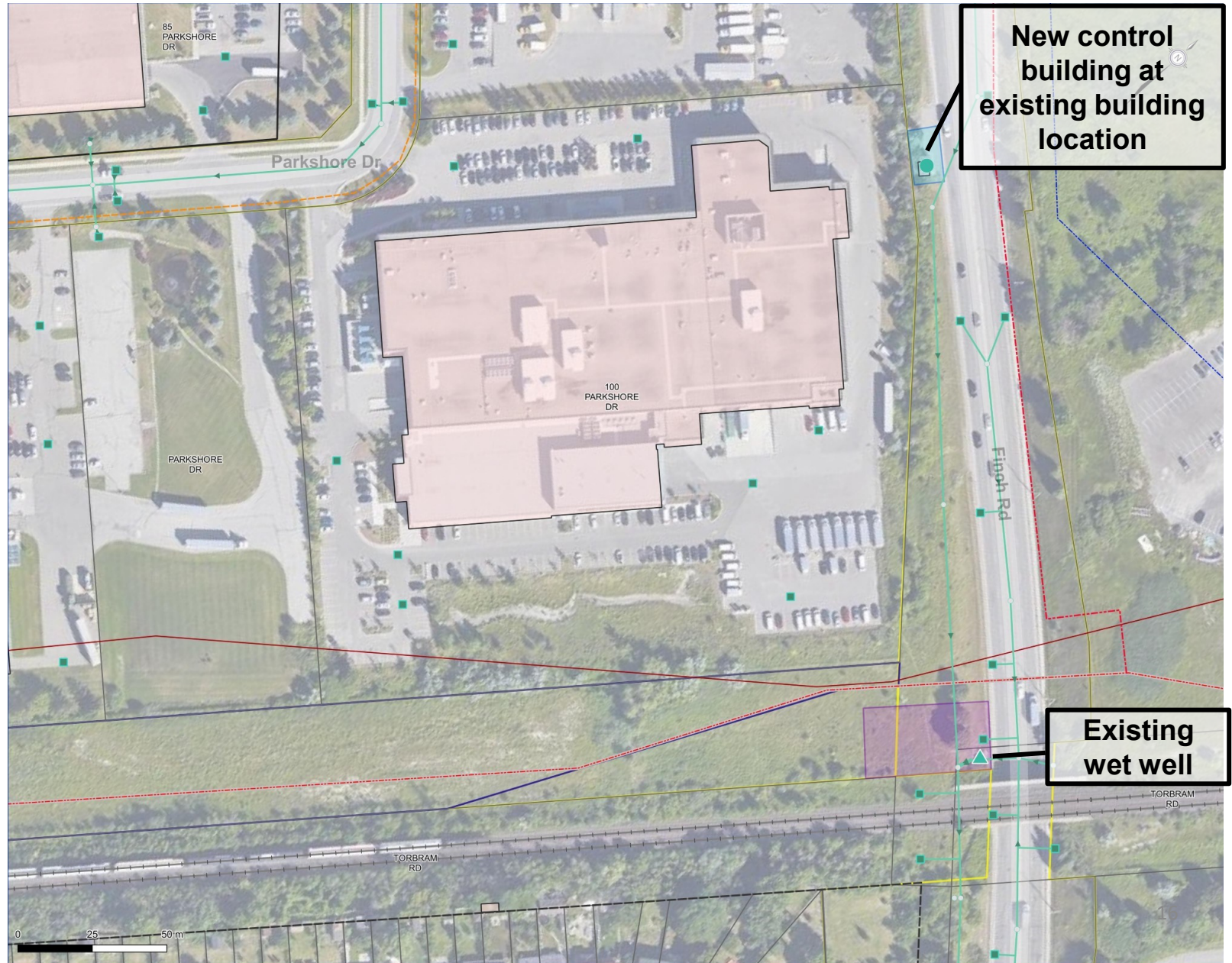
Step 3: Short List of Facility Locations

Do Nothing Option



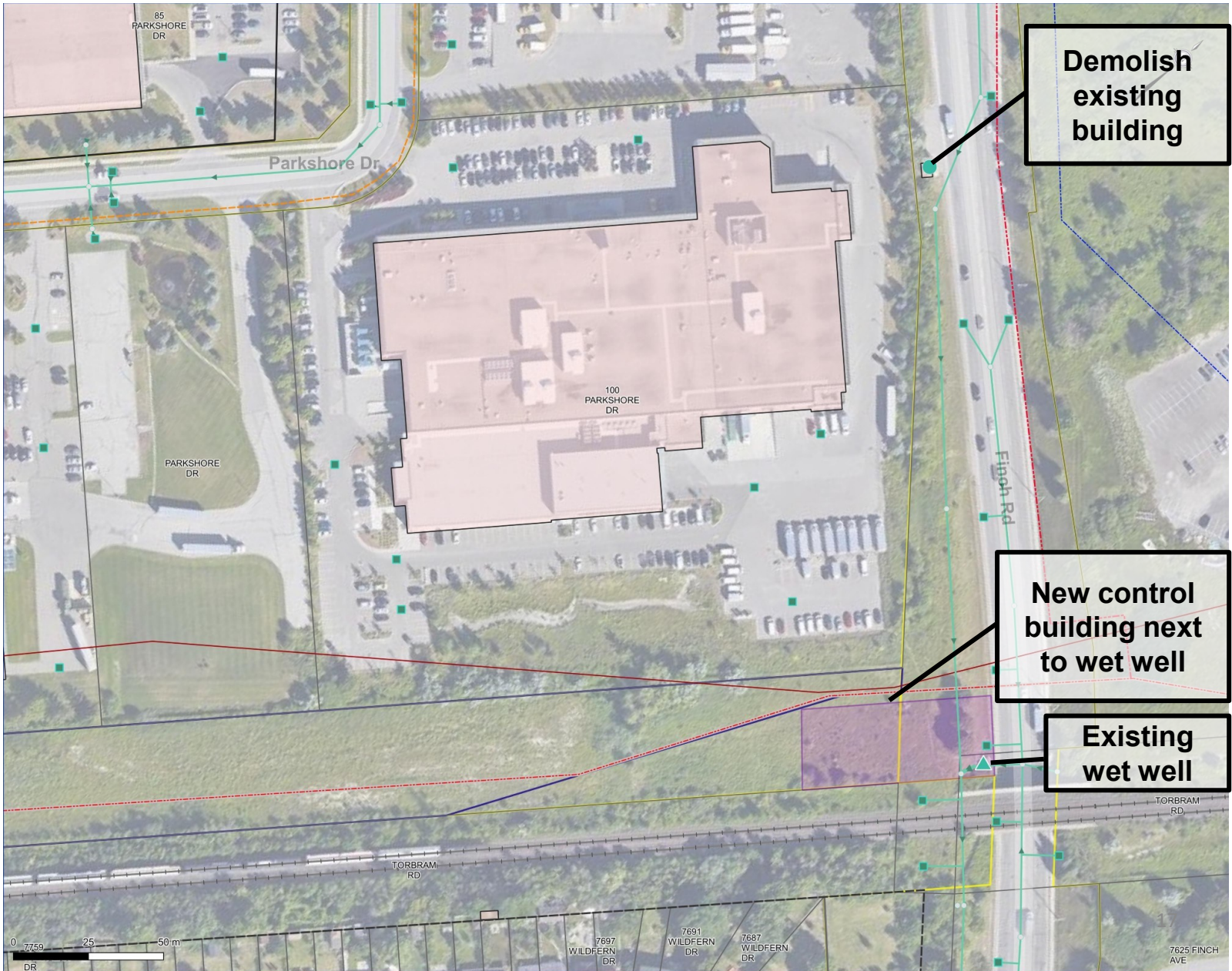
Step 3: Short List of Facility Locations

Facility Alternative 1


















Step 3: Short List of Facility Locations

Facility Alternative 2



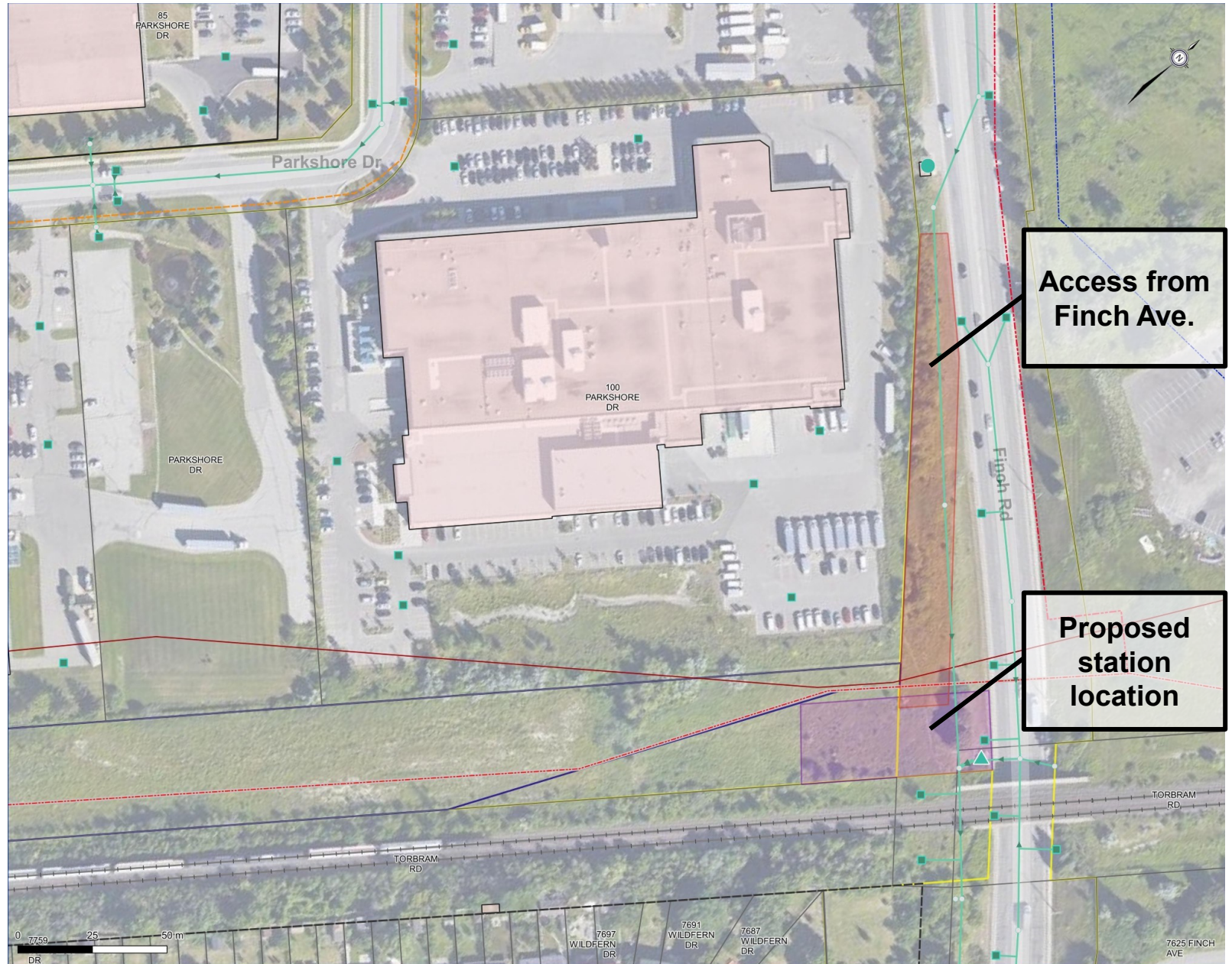
Step 3: Detailed Evaluation of Facility Locations

	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

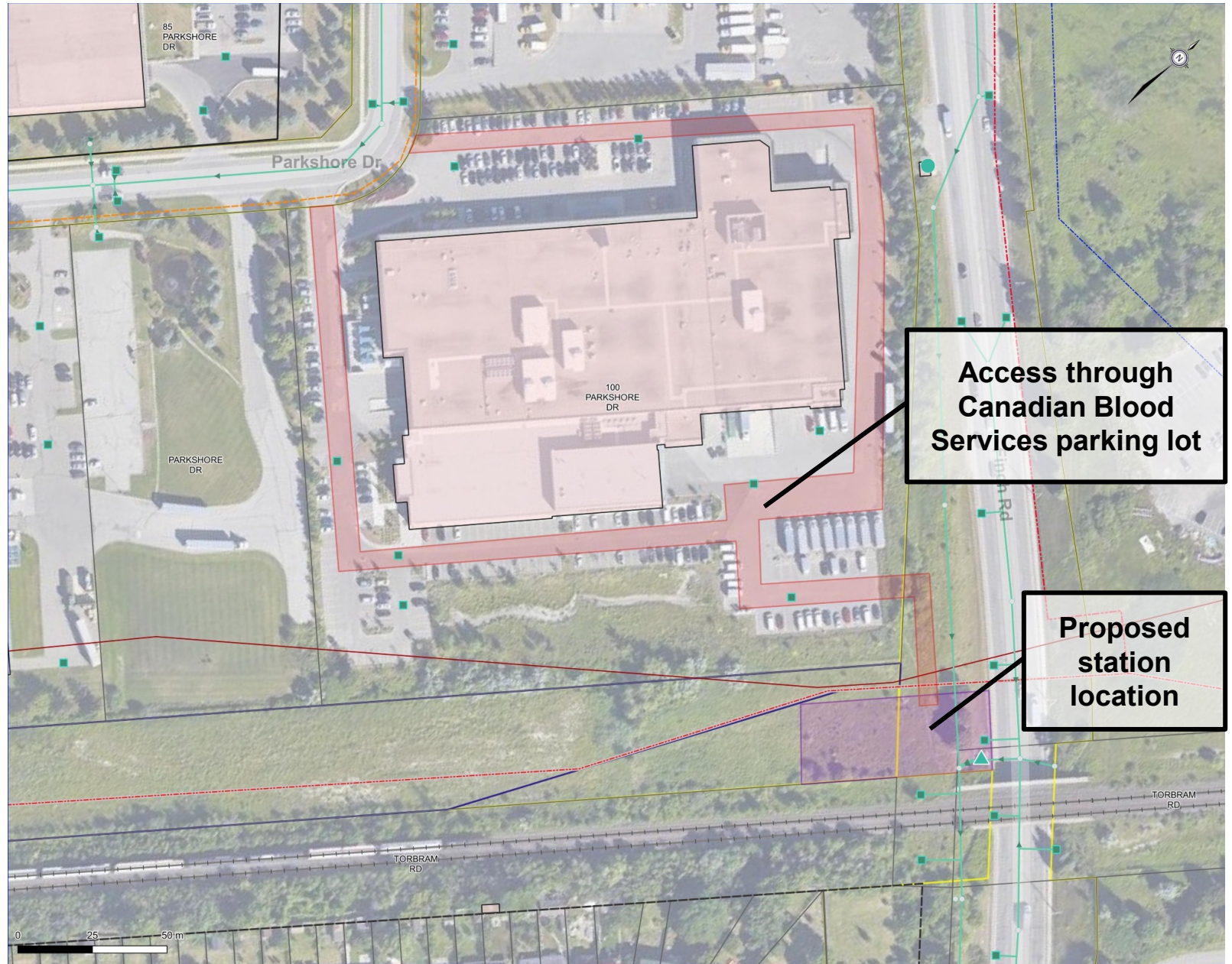
Step 4: Short List of Alternative Access Road Alignments

Access Alternative 1



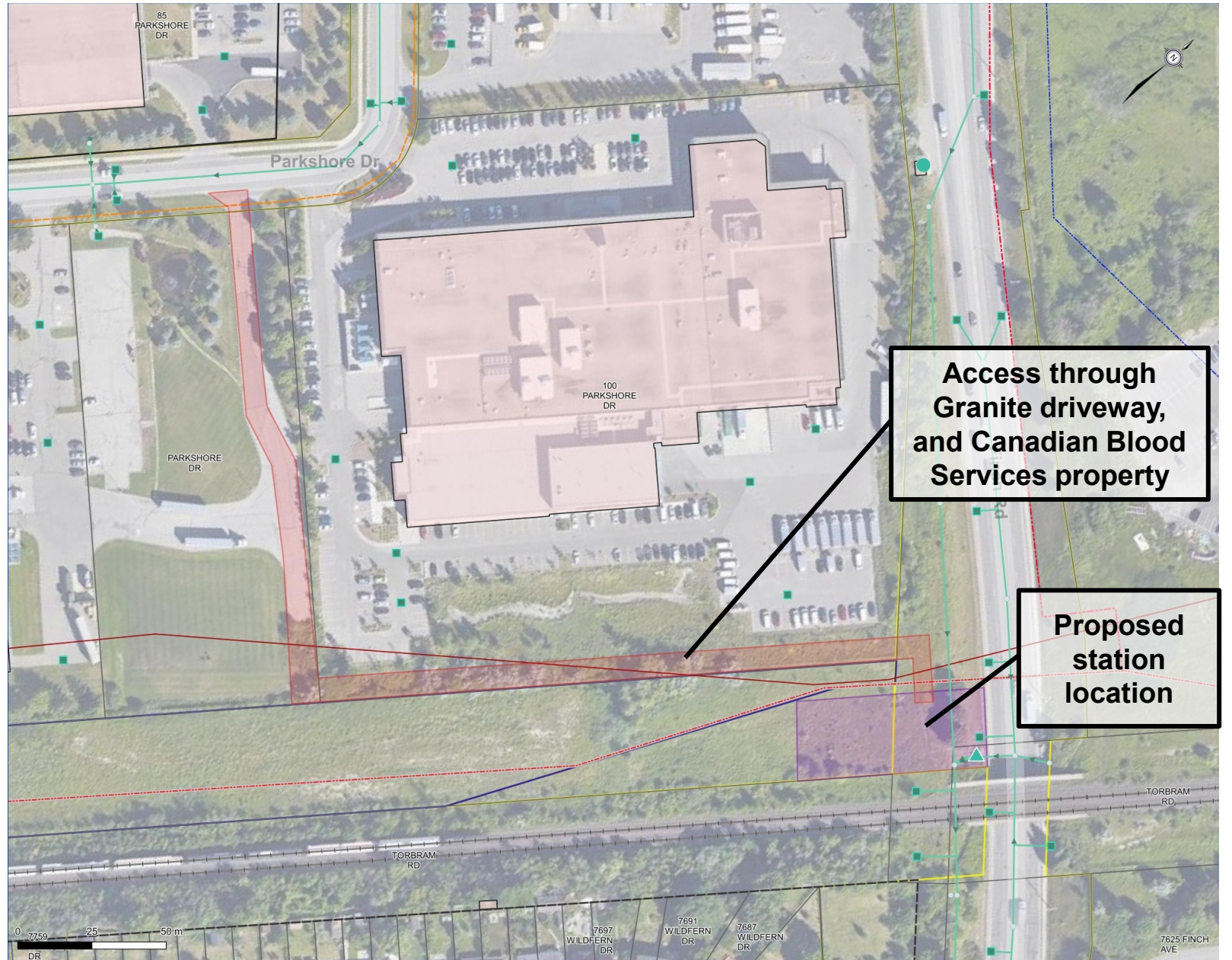
Step 4: Short List of Alternative Access Road Alignments

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

2022

2023

PHASE 1

PHASE 2

Identify Problem or Opportunity

Identify Alternative Solutions

Inventory Natural, Social, Economic Environment

Identify Impact of Alternative Solutions on the Environment, and Mitigating Measures

Evaluate Alternative Solutions: Identify Recommended Solutions

Consult Review Agencies and Public. RE: Problem or Opportunity and Alternative Solutions

Select Preferred Solution

*Construction is projected for 2024

We are here!

Submit questions and comments by June 15, 2023



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.

REGION OF PEEL
FINCH STORMWATER PUMPING STATION UPGRADES
PROJECT No. 16-4014
GMBP File No. 122062
Property Owners Consultation – Wet ‘n’ Wild

DATE: Thursday, May 4, 2023

LOCATION: Virtual Meeting (Microsoft Teams)

ATTENDEES:

Paul Rastrullo (PR)	Region of Peel, Project Manager
Kristine Thususka (KT)	Region of Peel, Real Estate
Steve Mayer (SM)	Wet n’ Wild, General Manager
Eric Duivesteyn (ED)	GM BluePlan, Project Manager
Laura Verhaeghe (LV)	GM BluePlan, Class EA and Communications Lead
Ana Brankovan (AB)	GM BluePlan, Engineering/Class EA Support

1) INTRODUCTIONS

- ED introduced Class EA team. SM introduced himself and general concerns about traffic.

2) CLASS EA OVERVIEW AND PRELIMINARY RECOMMENDATIONS

- LV highlighted project is at the Class EA stage, provided an overview of the pumping station background, Class EA process, and presented alternatives and evaluation of the facility location and access road.
- SM asked if there would be stormwater studies completed to get a better understanding of stormwater flows. LV and PR indicated Stormwater Master Plan should have the information.
- SM inquired on the level of works being completed (i.e., is it purely mechanical). LV highlighted upgrades will also ensure station meets standards. ED noted scope of work includes replacing mechanical components, constructing new building, improving access to station.
- SM asked why assets cannot be left at their current location.
 - LV showed the schematic for the do nothing option and highlighted operational and maintenance challenges associated with keeping the two structures far apart and having no road access.
- LV outlined the preliminary preferred alternative and anticipated construction impacts.
- SM indicated there is higher traffic going south on finch road end of work day, especially after 4:30pm
 - Water park has 2000-6000 people visiting over the summer weekends.
- LV highlight construction is anticipated mid-2024.

Upcoming Project Information Centre (PIC)

- LV informed SM there will be a virtual PIC, date to be determine, and that he is on our contact list and will be provided with associated information.

REGION OF PEEL
FINCH STORMWATER PUMPING STATION UPGRADES
PROJECT No. 16-4014
GMBP File No. 122062
Property Owners Consultation

DATE: Thursday, May 4, 2023

LOCATION: Virtual Meeting (Microsoft Teams)

ATTENDEES:

Paul Rastrullo (PR)	Region of Peel, Project Manager
Kristine Thususka (KT)	Region of Peel, Real Estate
Tim Fox (TF)	GRANITE REIT, Asset Management
Mario Pecile (MP)	GRANITE REIT
Namita Shrivastava (NS)	GRANITE REIT
Eric Duivesteyn (ED)	GM BluePlan, Project Manager
Laura Verhaeghe (LV)	GM BluePlan, Class EA and Communications Lead
Ana Brankovan (AB)	GM BluePlan, Engineering/Class EA Support

1) INTRODUCTIONS

- ED presented the purpose of the meeting
- Meeting attendees introduced their roles within their respective organizations

2) CLASS EA OVERVIEW AND PRELIMINARY RECOMMENDATIONS

- LV presented slide showing station location, structures, purpose of the upgrades works, Class EA study area, and preliminary evaluation and recommendation.
 - o Three facility locations alternatives and evaluation summary were presented followed by evaluation criteria. Location of GRANITE property in relation to proposed works was highlighted for each alternative.
 - o Three access road alternatives and evaluation summary were presented. . Location of GRANITE property in relation to proposed works was highlighted for each alternative.
- LV showed schematic of preliminary preferred alternative and anticipated construction impacts. LV highlight that once preferred approach is confirmed and design activities proceed, nearby property owners will be informed again of anticipated construction timeline and impacts. Presently expect construction to begin in spring or summer 2024.
- MF – the GRANITE property is the headquarters for the tenant and the location is busy with truck traffic. Road access option through GRANITE property (not preferred option) could pose problems due to blockage and high traffic.
- GRANITE asked if Finch access will be temporary. LV confirmed intension is to construct permanent access.

Upcoming Project Information Centre (PIC)

- LV informed attendees that PIC will be virtual and correspondence with stakeholders will be logged for public documentation.
- LV informed attendees that GRANITE is on the project stakeholder list and they will be informed of the upcoming PIC dates and location of published materials.

REGION OF PEEL
FINCH STORMWATER PUMPING STATION UPGRADES
PROJECT No. 16-4014
GMBP File No. 122062
REGION TRANSPORTATION MEETING MINUTES

DATE: Monday, May 8, 2023

LOCATION: Virtual Meeting (Microsoft Teams)

ATTENDEES:

Paul Rastrullo (PR)	Region of Peel, Project Manager
Sara Tasnuva (ST)	Region of Peel, MUT project PM
Sakshi Saini (SS)	Region of Peel, Infrastructure Programming PM
Eric Duivesteyn (ED)	GM BluePlan, Project Manager
Laura Verhaeghe (LV)	GM BluePlan, Class EA and Communications Lead
Ana Brankovan (AB)	GM BluePlan, Engineering/Class EA Support

1) INTRODUCTIONS & PROJECT OVERVIEW

- Attendees were introduced and ED outlined the agenda
- LV presented slides with station background, site photos, Class EA study area, alternatives, and preliminary preferred alternative.
- ED reviewed the conceptual layout and potential implications for the MUT project during construction.

2) PROJECT COORDINATION

- Impacts on MUT/Resurfacing project:
 - o Trail may need to be removed in areas of construction
 - o Maintenance hole (current wet well) might need to be accessible to vehicle traffic via trail
 - o ST indicated trail is not presently being designed for vehicular traffic and might need to be replaced where access road is constructed. Sara to look into possibility of vehicle loading design.
 - o Access to station construction area will need to be maintained. ST anticipated one lane closure at a time for resurfacing.
- Timeline
 - o Design for MUT project will likely be completed this year with potential delay due to scope change currently under review
 - o Resurfacing anticipated spring/summer 2024, will include MUT work; could be delayed to start spring/summer 2025
 - o Anticipated 2 construction seasons will be needed, believes it will extend into 2025. Work can only be completed during warm months.
 - o Construction sequence – ST will provide more details on sequencing once this is determined.
- Oil Grit separator (OGS)
 - o ED: Indicated it would be reasonable to include construction of the OGS in the

MUT and resurfacing project. GMBP can help with development of specifications.

- ST is interested in how task will be funded. PR to discuss funding with Syeda Banuri.
- ST asked what would happen if the transportation project is delayed until 2025, what are impacts of not having OGS installed?
 - GMBP confirmed there will be no impacts since there is presently no OGS on site and it is not required for station operation.
- Retaining wall:
 - ST's project will not impact the existing retaining wall
 - Design scope of work for station project will involve geotechnical investigation to determine impacts to retaining wall.
- Fencing
 - GMBP looking into including construction of a fence around the station and access area
 - ST agrees it might improve safety to have fence directly adjacent to path.
 - Gate design will need to be evaluated to provide operators with easy access without impacting pedestrians and trail users.

NEXT STEP:

- Both project teams to meet again when designs are further along and when construction sequencing of the MUT/Resurfacing project has been further developed



REGION OF PEEL
FINCH STORMWATER PUMPING STATION UPGRADES
PROJECT No. 16-4014
GMBP File No. 122062
CN Railway Review – Meeting Minutes

DATE: Friday, June 2, 2023

LOCATION: Virtual Meeting (Microsoft Teams)

ATTENDEES: Paul Rastrullo (PR) Region of Peel, Project Manager
 Kristine Thususka (KT) Region of Peel, Real Estate
 Salar Zulfiquar CN Railway, Senior Public Works Officer
 Eric Duivesteyn (ED) GM BluePlan, Project Manager
 Laura Verhaeghe (LV) GM BluePlan, Class EA and Communications Lead

1) INTRODUCTIONS

Action Items

- ED presented the purpose of the meeting
- ED introduced Class EA team. SZ introduced himself.

2) CLASS EA OVERVIEW AND PRELIMINARY RECOMMENDATIONS

- LV highlighted project is at the Class EA stage, provided an overview of the pumping station background, Class EA process, and presented alternatives and evaluation of the facility location and access road.
- Virtual PIC is ongoing currently that can be accessed through Region’s website. SZ is on our contact list and will be notified of project developments.
- LV outlined the preliminary preferred alternative and anticipated construction impacts. Preferred approach is to construct a new control building close to the existing wet well, and either 1) refurbish the existing wet well or 2) convert the existing wet well to a maintenance hole and construct a new wet well nearby.

3) CONSTRUCTION IMPACTS AND COORDINATION

- It is unclear if existing wet well is on Region or CN property. CN’s records show that it is on Region property, whereas Region records show it on CN’s property.
- SZ indicated he will contact Ontario Land Surveyors to coordinate stake out of property boundaries and resolve conflicting information about whose property existing wet well is on. **SZ**
- SZ indicated that any work within 30ft (~9m) of right of way will require a work permit from CN. SZ has provided a work permit template to GMBP. Applications take around 2 weeks to approve. Once this is complete, a locates approval is initiated to coordinate a flag person to attend site, which can take up to 8 weeks.
- Expect work within 30ft of CN right of way will be required for 1-2 weeks for wet well refurbishment and 1-2 weeks for asphalt construction. GMBP will prioritize keeping new structures at least 30 ft from CN right of way.



- SZ advises if existing wet will is in fact on CN property, best course of action is to design upgrades to move it. If it remains on CN property, a flagperson would be required in the future for any work and maintenance on the wet well, causing significant delays.
- If flag person is required, CN prefers to keep them onsite for one consecutive period rather than leaving and coming back. This may or may not work with construction sequence, but will be taken into consideration.
- Once drawings of proposed work are ready another coordination meeting with CN should be arranged to review work permit needs
- SZ will review the need for 30ft clearance from ROW if there is a difference in grade; however, it is most likely that there will be no exceptions.

GMBP

SZ

These minutes have been prepared by the undersigned. If there are any errors or omissions in these minutes, please contact the author as soon as possible.

Prepared by:

GM BLUEPLAN ENGINEERING LIMITED

Laura Verhaeghe, P.Eng.
Class EA Lead



**REGION OF PEEL
FINCH STORMWATER PUMPING STATION UPGRADES
PROJECT No. 16-4014
GMBP File No. 122062
Canadian Blood Services Review – Meeting Minutes**

DATE: Friday, June 2, 2023

LOCATION: Virtual Meeting (Microsoft Teams)

ATTENDEES:	Paul Rastrullo (PR)	Region of Peel, Project Manager
	Kristine Thususka (KT)	Region of Peel, Real Estate
	Krishna Ramachandran	Canadian Blood Services, Head Real Estate Leasing and Acquisition
	Eric Duivesteyn (ED)	GM BluePlan, Project Manager
	Laura Verhaeghe (LV)	GM BluePlan, Class EA and Communications Lead
	Ana Brankovan (AB)	GM BluePlan, Engineering/Class EA Support

1) INTRODUCTIONS

Action Item

- ED presented the purpose of the meeting
- Meeting attendees introduced their roles within their respective organizations

2) CLASS EA OVERVIEW AND PRELIMINARY RECOMMENDATIONS

- LV highlighted project is at the Class EA stage, provided an overview of the pumping station background, Class EA process, and presented alternatives and evaluation of the facility location and access road.
- LV informed KR there is a PIC ongoing currently, and that he is on our contact list and will be provided with associated information.
- LV outlined the preliminary preferred alternative and anticipated construction impacts. Preferred approach is to construct a new control building close to the existing wet well, and either 1) refurbish the existing wet well or 2) convert the existing wet well to a maintenance hole and construct a new wet well nearby. No permanent easements are proposed on Canadian Blood Services property.

3) CONSTRUCTION IMPACTS AND COORDINATION

- ED raised the idea of obtaining temporary easements from CBS for construction access during the civil stage of construction. KR was open to further discussion, but first needs to consult with other departments of CBS to get their input on traffic flow restrictions, amount of parking needed, and truck parking areas. Once internal review is complete, KR will arrange for a second meeting to discuss more coordination details including: traffic considerations/lane closures, available area in parking area etc. **KR**
- GMBP will send presentation slides to KR to allow for review with operations team at CBS. **LV**
- KT asks if there will be closures on Finch Ave since this may impact CBS truck traffic. ED responds that temporary southbound lane closures may be required short-term at times during construction. For further discussion during next meeting.



- KR mentioned that CBS has sensitive instrumentation and vibration-intensive construction could be disruptive. GMBP explains that vibration monitoring and vibration-limiting methods can be included in construction contract. KR to provide further details on vibration requirements. **KR**
- PR asked CBS if Wet'n'Wild peak visitor traffic disrupts CBS truck traffic. KR to discuss with CBS's logistics group. **KR**
- KT advises that this CBS production site operates 24 hours per day, 7 days per week.

These minutes have been prepared by the undersigned. If there are any errors or omissions in these minutes, please contact the author as soon as possible.

Prepared by:

GM BLUEPLAN ENGINEERING LIMITED

Laura Verhaeghe, P.Eng.
Class EA Lead

From: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>
Sent: Tuesday, April 04, 2023 3:36 PM
To: Ana Brankovan - GM BluePlan
Cc: Rastrullo, Paul; Eric Duivesteyn - GM BluePlan; Laura Verhaeghe - GM BluePlan
Subject: RE: Region of Peel, Class EA, Finch Stormwater Pumping Station Upgrades

Good afternoon,

The ministry has reviewed your request for a list of indigenous communities for consultation on this project.

The proposed study area is located in treaty 13a, 1805 w/Mississaugas of the Credit, within the traditional territory of the Mississaugas of the Credit, and within the 1701 Nanfan deed. Given the small proposed study area, it is unlikely to impact Aboriginal or treaty rights, however, there is the potential to impact archaeological resources should there be need for excavation. There are a couple of communities that may be interested in the project .

- Mississaugas of the Credit First Nation
- Six Nations of the Grand (elected council)
 - HCCC/HDI (traditional council)
- *Huron-Wendat- Should there be any excavations required resulting in unearthing archaeological resources*

Feel free to contact me directly with any questions.

Sincerely,

Trevor Bell | Regional Environmental Planner
Project Review Unit, Environmental Assessment Branch
Ministry of the Environment, Conservation and Parks
5775 Yonge Street, 8th floor, Toronto ON, M2M 4J1
New Phone: 437-770-3731 | trevor.bell@ontario.ca

From: Bell, Trevor (MECP)
Sent: March 28, 2023 2:14 PM
To: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>
Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>; Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>
Subject: RE: Region of Peel, Class EA, Finch Stormwater Pumping Station Upgrades

Good afternoon,

I have forwarded your email to our Senior Advisor to request a list of potentially interested Indigenous communities for consultation. I'll get back to you with the list as soon as it is available.

Thanks,

Trevor

Trevor Bell | Regional Environmental Planner

Project Review Unit, Environmental Assessment Branch

Ministry of the Environment, Conservation and Parks

5775 Yonge Street, 8th floor, Toronto ON, M2M 4J1

New Phone: 437-770-3731 | trevor.bell@ontario.ca

From: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>

Sent: March 23, 2023 1:58 PM

To: EA Notices to CRegion (MECP) <eanotification.cregion@ontario.ca>

Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>;

Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>

Subject: Region of Peel, Class EA, Finch Stormwater Pumping Station Upgrades

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Dear MECP EA team,

The Region of Peel is in the process of initiating a Schedule 'B' Municipal Class EA for the Finch Stormwater Pumping Station (SWPS), with GM BluePlan as the Region's consultant. The Finch SWPS, located at 7848 Finch Avenue in Brampton, is aging and requires upgrades to meet current standards and to continue providing flood protection for the surrounding area. Additional information is available at: <https://www.peelregion.ca/public-works/environmental-assessments/brampton/finch-stormwater.asp>

Although this Class EA has not been officially initiated and a formal Notice of Commencement has not been issued, we are interested in MECP's early feedback on which Indigenous communities to engage. We have attached the MECP Project Information Form with details. Please let us know if you require additional information.

Thank you,

Ana Brankovan, E.I.T.

Project Designer

GM BluePlan Engineering Limited

650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8

t: 519.824.8150 ext. 1241 | c: 226.820.6493

ana.brankovan@gmblueplan.ca | www.gmblueplan.ca

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From: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>

Sent: Monday, October 16, 2023 10:21 AM

To: Rastrullo, Paul <paul.rastrullo@peelregion.ca>

Cc: Battarino, Gavin (MECP) <Gavin.Battarino@ontario.ca>; Panko, Dan (MECP) <Dan.Panko@ontario.ca>; Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>

Subject: RE: Finch Stormwater Pumping Station Upgrades

Good morning,

The acknowledgement letter attached to my previous email mentions the proponent incorrectly. I apologize for the error. Please find attached a corrected version.

Thanks,
Trevor

From: Bell, Trevor (MECP)

Sent: October 13, 2023 2:42 PM

To: Rastrullo, Paul <paul.rastrullo@peelregion.ca>

Cc: Battarino, Gavin (MECP) <Gavin.Battarino@ontario.ca>; Panko, Dan (MECP) <Dan.Panko@ontario.ca>; Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>

Subject: Finch Stormwater Pumping Station Upgrades

Good afternoon,

Please find attached a letter and supporting documents from the Ministry of the Environment, Conservation and Parks, Environmental Assessment Branch, regarding the above mentioned project. Please contact the ministry's Central Region EA Notification email address (eanotification.cregion@ontario.ca) with any questions or concerns you may have.

Sincerely,

Trevor Bell | Regional Environmental Planner

Project Review Unit, Environmental Assessment Branch

Ministry of the Environment, Conservation and Parks

5775 Yonge Street, 8th floor, Toronto ON, M2M 4J1

New Phone: 437-770-3731 | trevor.bell@ontario.ca

Ministry of the Environment, Conservation
and Parks

Ministère de l'Environnement, de la
Protection de la nature et des Parcs

Environmental Assessment Branch

Direction des évaluations environnementales

1st Floor
135 St. Clair Avenue W
Toronto ON M4V 1P5
Tel.: 416 314-8001
Fax.: 416 314-8452

Rez-de-chaussée
135, avenue St. Clair Ouest
Toronto ON M4V 1P5
Tél. : 416 314-8001
Télééc. : 416 314-8452

October 16, 2023

Paul Rastrullo
Project Manager
Region of Peel
paul.rastrullo@peelregion.ca

BY EMAIL ONLY

Re: **Finch Stormwater Pumping Station Upgrades
Region of Peel
Schedule B Municipal Class Environmental Assessment
Notice of Commencement**

Dear Mr. Rastrullo,

This letter is in response to the Notice of Commencement for the above noted project. The Ministry of the Environment, Conservation and Parks (MECP) acknowledges that the Region of Peel (proponent) has indicated that the study is following the approved environmental planning process for a Schedule B project under the Municipal Class Environmental Assessment (Class EA).

The **updated (August 2022)** enclosed “Areas of Interest” document provides guidance regarding the ministry’s interests with respect to the Class EA process. Please address all areas of interest in the EA documentation at an appropriate level for the EA study. Proponents who address all the applicable areas of interest can minimize potential delays to the project schedule. **Further information is provided at the end of the Areas of Interest document relating to recent changes to the Environmental Assessment Act through Bill 197, Covid-19 Economic Recovery Act 2020.**

The Crown has a legal duty to consult Aboriginal communities when it has knowledge, real or constructive, of the existence or potential existence of an Aboriginal or treaty right and contemplates conduct that may adversely impact that right. Before authorizing this project, the Crown must ensure that its duty to consult has been fulfilled, where such a duty is triggered.

Although the duty to consult with Aboriginal peoples is a duty of the Crown, the Crown may delegate procedural aspects of this duty to project proponents while retaining oversight of the consultation process.

The proposed project may have the potential to affect Aboriginal or treaty rights protected under Section 35 of Canada's *Constitution Act* 1982. Where the Crown's duty to consult is triggered in relation to the proposed project, **the MECP is delegating the procedural aspects of rights-based consultation to the proponent through this letter.** The Crown intends to rely on the delegated consultation process in discharging its duty to consult and maintains the right to participate in the consultation process as it sees fit.

Based on information provided to date and the Crown's preliminary assessment the proponent is required to consult with the following communities who have been identified as potentially affected by the proposed project:

- Mississaugas of the Credit First Nation
- Six Nations of the Grand River
 - Both elected council and the Haudenosaunee Confederacy Chiefs Council (HCCC)/Haudenosaunee Development Institute (HDI)
- Huron-Wendat First Nation – *archaeological interest only. Should be notified if there is archaeological potential in the study area*

Steps that the proponent may need to take in relation to Aboriginal consultation for the proposed project are outlined in the "[Code of Practice for Consultation in Ontario's Environmental Assessment Process](#)". Additional information related to Ontario's Environmental Assessment Act is available online at: www.ontario.ca/environmentalassessments.

Please also refer to the attached document "A Proponent's Introduction to the Delegation of Procedural Aspects of consultation with Aboriginal Communities" for further information, including the MECP's expectations for EA report documentation related to consultation with communities.

The proponent must contact the Director of Environmental Assessment Branch (EABDirector@ontario.ca) under the following circumstances after initial discussions with the communities identified by the MECP:

- Aboriginal or treaty rights impacts are identified to you by the communities;
- You have reason to believe that your proposed project may adversely affect an Aboriginal or treaty right;
- Consultation with Indigenous communities or other stakeholders has reached an impasse; or
- A Section 16 Order request is expected based on impacts to Aboriginal or treaty rights

The MECP will then assess the extent of any Crown duty to consult for the circumstances and will consider whether additional steps should be taken, including what role you will be asked to play should additional steps and activities be required.

A draft copy of the report may be sent to the ministry's Central Region EA notification email account (eanotification.cregion@ontario.ca) prior to the filing of the final report, allowing a minimum of 30 days for the ministry's technical reviewers to provide comments.

Please ensure a copy of the final notice and report are sent to the ministry's Central Region EA notification email account (eanotification.cregion@ontario.ca).

Should you or any members of your project team have any questions regarding the material above, please contact me at trevor.bell@ontario.ca.

Sincerely,



Trevor Bell
Regional Environmental Planner – Central Region
Project Review Unit, Environmental Assessment Branch

Cc: Gavin Battarino, Supervisor (A), Project Review Unit, MECP
Dan Panko, Manager (A), Halton-Peel District Office, MECP
Michael Simone, Engineering Intern, IBI Group

Enclosed: Areas of Interest

Attached: Client's Guide to Preliminary Screening for Species at Risk
A Proponent's Introduction to the Delegation of Procedural Aspects of Consultation with Aboriginal Communities

AREAS OF INTEREST (v. August 2022)

It is suggested that you check off each section after you have considered / addressed it.

Planning and Policy

- Applicable plans and policies should be identified in the report, and the proponent should describe how the proposed project adheres to the relevant policies in these plans.
 - Projects located in MECP Central, Eastern or West Central Region may be subject to [A Place to Grow: Growth Plan for the Greater Golden Horseshoe \(2020\)](#).
 - Projects located in MECP Central or Eastern Region may be subject to the [Oak Ridges Moraine Conservation Plan \(2017\)](#) or the [Lake Simcoe Protection Plan \(2014\)](#).
 - Projects located in MECP Central, Southwest or West Central Region may be subject to the [Niagara Escarpment Plan \(2017\)](#).
 - Projects located in MECP Central, Eastern, Southwest or West Central Region may be subject to the [Greenbelt Plan \(2017\)](#).
 - Projects located in MECP Northern Region may be subject to the [Growth Plan for Northern Ontario \(2011\)](#).
- The [Provincial Policy Statement \(2020\)](#) contains policies that protect Ontario's natural heritage and water resources. Applicable policies should be referenced in the report, and the proponent should describe how the proposed project is consistent with these policies.
- In addition to the provincial planning and policy level, the report should also discuss the planning context at the municipal and federal levels, as appropriate.

Source Water Protection

The *Clean Water Act, 2006* (CWA) aims to protect existing and future sources of drinking water. To achieve this, several types of vulnerable areas have been delineated around surface water intakes and wellheads for every municipal residential drinking water system that is located in a source protection area. These vulnerable areas are known as a Wellhead Protection Areas (WHPAs) and surface water Intake Protection Zones (IPZs). Other vulnerable areas that have been delineated under the CWA include Highly Vulnerable Aquifers (HVAs), Significant Groundwater Recharge Areas (SGRAs), Event-based modelling areas (EBAs), and Issues Contributing Areas (ICAs). Source protection plans have been developed that include policies to address existing and future risks to sources of municipal drinking water within these vulnerable areas.

Projects that are subject to the Environmental Assessment Act that fall under a Class EA, or one of the Regulations, have the potential to impact sources of drinking water if they occur in designated vulnerable areas or in the vicinity of other at-risk drinking water systems (i.e.

systems that are not municipal residential systems). MEA Class EA projects may include activities that, if located in a vulnerable area, could be a threat to sources of drinking water (i.e. have the potential to adversely affect the quality or quantity of drinking water sources) and the activity could therefore be subject to policies in a source protection plan. Where an activity poses a risk to drinking water, policies in the local source protection plan may impact how or where that activity is undertaken. Policies may prohibit certain activities, or they may require risk management measures for these activities. Municipal Official Plans, planning decisions, Class EA projects (where the project includes an activity that is a threat to drinking water) and prescribed instruments must conform with policies that address significant risks to drinking water and must have regard for policies that address moderate or low risks.

- In October 2015, the MEA Parent Class EA document was amended to include reference to the Clean Water Act (Section A.2.10.6) and indicates that proponents undertaking a Municipal Class EA project must identify early in their process whether a project is or could potentially be occurring with a vulnerable area. **Given this requirement, please include a section in the report on source water protection.**
 - The proponent should identify the source protection area and should clearly document how the proximity of the project to sources of drinking water (municipal or other) and any delineated vulnerable areas was considered and assessed. Specifically, the report should discuss whether or not the project is located in a vulnerable area and provide applicable details about the area.
 - If located in a vulnerable area, proponents should document whether any project activities are prescribed drinking water threats and thus pose a risk to drinking water (this should be consulted on with the appropriate Source Protection Authority). Where an activity poses a risk to drinking water, the proponent must document and discuss in the report how the project adheres to or has regard to applicable policies in the local source protection plan. This section should then be used to inform and be reflected in other sections of the report, such as the identification of net positive/negative effects of alternatives, mitigation measures, evaluation of alternatives etc.
- While most source protection plans focused on including policies for significant drinking water threats in the WHPAs and IPZs it should be noted that even though source protection plan policies may not apply in HVAs, these are areas where aquifers are sensitive and at risk to impacts and within these areas, activities may impact the quality of sources of drinking water for systems other than municipal residential systems.
- In order to determine if this project is occurring within a vulnerable area, proponents can use [Source Protection Information Atlas](#), which is an online mapping tool available to the public. Note that various layers (including WHPAs, WHPA-Q1 and WHPA-Q2, IPZs, HVAs, SGRAs, EBAs, ICAs) can be turned on through the “Map Legend” bar on the left. The

mapping tool will also provide a link to the appropriate source protection plan in order to identify what policies may be applicable in the vulnerable area.

- For further information on the maps or source protection plan policies which may relate to their project, proponents must contact the appropriate source protection authority. **Please consult with the local source protection authority to discuss potential impacts on drinking water. Please document the results of that consultation within the report and include all communication documents/correspondence.**

More Information

For more information on the *Clean Water Act*, source protection areas and plans, including specific information on the vulnerable areas and drinking water threats, please refer to [Conservation Ontario's website](#) where you will also find links to the local source protection plan/assessment report.

A list of the prescribed drinking water threats can be found in [section 1.1 of Ontario Regulation 287/07](#) made under the *Clean Water Act*. In addition to prescribed drinking water threats, some source protection plans may include policies to address additional "local" threat activities, as approved by the MECP.

Climate Change

The document "[Considering Climate Change in the Environmental Assessment Process](#)" (Guide) is now a part of the Environmental Assessment program's Guides and Codes of Practice. The Guide sets out the MECP's expectation for considering climate change in the preparation, execution and documentation of environmental assessment studies and processes. The guide provides examples, approaches, resources, and references to assist proponents with consideration of climate change in EA. Proponents should review this Guide in detail.

• **The MECP expects proponents of Class EA projects to:**

1. Consider during the assessment of alternative solutions and alternative designs, the following:
 - a. the project's expected production of greenhouse gas emissions and impacts on carbon sinks (climate change mitigation); and
 - b. resilience or vulnerability of the undertaking to changing climatic conditions (climate change adaptation).
2. Include a discrete section in the report detailing how climate change was considered in the EA.

How climate change is considered can be qualitative or quantitative in nature and should be scaled to the project's level of environmental effect. In all instances, both a project's impacts on climate change (mitigation) and impacts of climate change on a project (adaptation) should be considered.

- The MECP has also prepared another guide to support provincial land use planning direction related to the completion of energy and emission plans. The "[Community Emissions Reduction Planning: A Guide for Municipalities](#)" document is designed to educate stakeholders on the municipal opportunities to reduce energy and greenhouse gas emissions, and to provide guidance on methods and techniques to incorporate consideration of energy and greenhouse gas emissions into municipal activities of all types. We encourage you to review the Guide for information.

□ **Air Quality, Dust and Noise**

- If there are sensitive receptors in the surrounding area of this project, a quantitative air quality/odour impact assessment will be useful to evaluate alternatives, determine impacts and identify appropriate mitigation measures. The scope of the assessment can be determined based on the potential effects of the proposed alternatives, and typically includes source and receptor characterization and a quantification of local air quality impacts on the sensitive receptors and the environment in the study area. The assessment will compare to all applicable standards or guidelines for all contaminants of concern. **Please contact this office for further consultation on the level of Air Quality Impact Assessment required for this project if not already advised.**
- If a quantitative Air Quality Impact Assessment is not required for the project, the MECP expects that the report contain a qualitative assessment which includes:
 - A discussion of local air quality including existing activities/sources that significantly impact local air quality and how the project may impact existing conditions;
 - A discussion of the nearby sensitive receptors and the project's potential air quality impacts on present and future sensitive receptors;
 - A discussion of local air quality impacts that could arise from this project during both construction and operation; and
 - A discussion of potential mitigation measures.
- As a common practice, "air quality" should be used as an evaluation criterion for all road projects.
- Dust and noise control measures should be addressed and included in the construction plans to ensure that nearby residential and other sensitive land uses within the study area are not adversely affected during construction activities.
- The MECP recommends that non-chloride dust-suppressants be applied. For a comprehensive list of fugitive dust prevention and control measures that could be applied, refer to [Cheminfo Services Inc. Best Practices for the Reduction of Air Emissions from](#)

[Construction and Demolition Activities](#) report prepared for Environment Canada. March 2005.

- The report should consider the potential impacts of increased noise levels during the operation of the completed project. The proponent should explore all potential measures to mitigate significant noise impacts during the assessment of alternatives.

Ecosystem Protection and Restoration

- Any impacts to ecosystem form and function must be avoided where possible. The report should describe any proposed mitigation measures and how project planning will protect and enhance the local ecosystem.
- Natural heritage and hydrologic features should be identified and described in detail to assess potential impacts and to develop appropriate mitigation measures. The following sensitive environmental features may be located within or adjacent to the study area:
 - Key Natural Heritage Features: Habitat of endangered species and threatened species, fish habitat, wetlands, areas of natural and scientific interest (ANSIs), significant valleylands, significant woodlands; significant wildlife habitat (including habitat of special concern species); sand barrens, savannahs, and tallgrass prairies; and alvars.
 - Key Hydrologic Features: Permanent streams, intermittent streams, inland lakes and their littoral zones, seepage areas and springs, and wetlands.
 - Other natural heritage features and areas such as: vegetation communities, rare species of flora or fauna, Environmentally Sensitive Areas, Environmentally Sensitive Policy Areas, federal and provincial parks and conservation reserves, Greenland systems etc.

We recommend consulting with the Ministry of Natural Resources and Forestry (MNRF), Fisheries and Oceans Canada (DFO) and your local conservation authority to determine if special measures or additional studies will be necessary to preserve and protect these sensitive features. In addition, for projects located in Central Region you may consider the provisions of the Rouge Park Management Plan if applicable.

Species at Risk

- The Ministry of the Environment, Conservation and Parks has now assumed responsibility of Ontario's Species at Risk program. Information, standards, guidelines, reference materials and technical resources to assist you are found at <https://www.ontario.ca/page/species-risk>.
- The Client's Guide to Preliminary Screening for Species at Risk (Draft May 2019) has been attached to the covering email for your reference and use. Please review this document for next steps.

- For any questions related to subsequent permit requirements, please contact SAROntario@ontario.ca.

□ **Surface Water**

- The report must include enough information to demonstrate that there will be no negative impacts on the natural features or ecological functions of any watercourses within the study area. Measures should be included in the planning and design process to ensure that any impacts to watercourses from construction or operational activities (e.g. spills, erosion, pollution) are mitigated as part of the proposed undertaking.
- Additional stormwater runoff from new pavement can impact receiving watercourses and flood conditions. Quality and quantity control measures to treat stormwater runoff should be considered for all new impervious areas and, where possible, existing surfaces. The ministry's [Stormwater Management Planning and Design Manual \(2003\)](#) should be referenced in the report and utilized when designing stormwater control methods. **A Stormwater Management Plan should be prepared as part of the Class EA process** that includes:
 - Strategies to address potential water quantity and erosion impacts related to stormwater draining into streams or other sensitive environmental features, and to ensure that adequate (enhanced) water quality is maintained
 - Watershed information, drainage conditions, and other relevant background information
 - Future drainage conditions, stormwater management options, information on erosion and sediment control during construction, and other details of the proposed works
 - Information on maintenance and monitoring commitments.
- Ontario Regulation 60/08 under the *Ontario Water Resources Act* (OWRA) applies to the Lake Simcoe Basin, which encompasses Lake Simcoe and the lands from which surface water drains into Lake Simcoe. If the proposed sewage treatment plant is listed in Table 1 of the regulation, the report should describe how the proposed project and its mitigation measures are consistent with the requirements of this regulation and the OWRA.
- Any potential approval requirements for surface water taking or discharge should be identified in the report. A Permit to Take Water (PTTW) under the OWRA will be required for any water takings that exceed 50,000 L/day, except for certain water taking activities that have been prescribed by the Water Taking EASR Regulation – *O. Reg. 63/16*. These prescribed water-taking activities require registration in the EASR instead of a PTTW. Please

review the [Water Taking User Guide for EASR](#) for more information. Additionally, an Environmental Compliance Approval under the OWRA is required for municipal stormwater management works.

Groundwater

- The status of, and potential impacts to any well water supplies should be addressed. If the project involves groundwater takings or changes to drainage patterns, the quantity and quality of groundwater may be affected due to drawdown effects or the redirection of existing contamination flows. In addition, project activities may infringe on existing wells such that they must be reconstructed or sealed and abandoned. Appropriate information to define existing groundwater conditions should be included in the report.
- If the potential construction or decommissioning of water wells is identified as an issue, the report should refer to Ontario Regulation 903, Wells, under the OWRA.
- Potential impacts to groundwater-dependent natural features should be addressed. Any changes to groundwater flow or quality from groundwater taking may interfere with the ecological processes of streams, wetlands or other surficial features. In addition, discharging contaminated or high volumes of groundwater to these features may have direct impacts on their function. Any potential effects should be identified, and appropriate mitigation measures should be recommended. The level of detail required will be dependent on the significance of the potential impacts.
- Any potential approval requirements for groundwater taking or discharge should be identified in the report. A Permit to Take Water (PTTW) under the OWRA will be required for any water takings that exceed 50,000 L/day, with the exception of certain water taking activities that have been prescribed by the Water Taking EASR Regulation – *O. Reg. 63/16*. These prescribed water-taking activities require registration in the EASR instead of a PTTW. Please review the [Water Taking User Guide for EASR](#) for more information.
- Consultation with the railroad authorities is necessary wherever there is a plan to use construction dewatering in the vicinity of railroad lines or where the zone of influence of the construction dewatering potentially intercepts railroad lines.

Excess Materials Management

- In December 2019, MECP released a new regulation under the Environmental Protection Act, titled “[On-Site and Excess Soil Management](#)” (O. Reg. 406/19) to support improved management of excess construction soil. This regulation is a key step to support proper management of excess soils, ensuring valuable resources don’t go to waste and to provide

clear rules on managing and reusing excess soil. New risk-based standards referenced by this regulation help to facilitate local beneficial reuse which in turn will reduce greenhouse gas emissions from soil transportation, while ensuring strong protection of human health and the environment. The new regulation is being phased in over time, with the first phase in effect on January 1, 2021. For more information, please visit <https://www.ontario.ca/page/handling-excess-soil>.

- The report should reference that activities involving the management of excess soil should be completed in accordance with O. Reg. 406/19 and the MECP's current guidance document titled "[Management of Excess Soil – A Guide for Best Management Practices](#)" (2014).
- All waste generated during construction must be disposed of in accordance with ministry requirements

Contaminated Sites

- Any current or historical waste disposal sites should be identified in the report. The status of these sites should be determined to confirm whether approval pursuant to Section 46 of the EPA may be required for land uses on former disposal sites. We recommend referring to the [MECP's D-4 guideline](#) for land use considerations near landfills and dumps.
 - Resources available may include regional/local municipal official plans and data; provincial data on [large landfill sites](#) and [small landfill sites](#); Environmental Compliance Approval information for waste disposal sites on [Access Environment](#).
- Other known contaminated sites (local, provincial, federal) in the study area should also be identified in the report (Note – information on federal contaminated sites is found on the Government of Canada's [website](#)).
- The location of any underground storage tanks should be investigated in the report. Measures should be identified to ensure the integrity of these tanks and to ensure an appropriate response in the event of a spill. The ministry's Spills Action Centre must be contacted in such an event.
- Since the removal or movement of soils may be required, appropriate tests to determine contaminant levels from previous land uses or dumping should be undertaken. If the soils are contaminated, you must determine how and where they are to be disposed of, consistent with *Part XV.1 of the Environmental Protection Act* (EPA) and Ontario Regulation 153/04, Records of Site Condition, which details the new requirements related to site assessment and clean up. Please contact the appropriate MECP District Office for further consultation if contaminated sites are present.

Servicing, Utilities and Facilities

- The report should identify any above or underground utilities in the study area such as transmission lines, telephone/internet, oil/gas etc. The owners should be consulted to discuss impacts to this infrastructure, including potential spills.
- The report should identify any servicing infrastructure in the study area such as wastewater, water, stormwater that may potentially be impacted by the project.
- Any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste must have an Environmental Compliance Approval (ECA) before it can operate lawfully. Please consult with MECP's Environmental Permissions Branch to determine whether a new or amended ECA will be required for any proposed infrastructure.
- We recommend referring to the ministry's [environmental land use planning guides](#) to ensure that any potential land use conflicts are considered when planning for any infrastructure or facilities related to wastewater, pipelines, landfills or industrial uses.

Mitigation and Monitoring

- Contractors must be made aware of all environmental considerations so that all environmental standards and commitments for both construction and operation are met. Mitigation measures should be clearly referenced in the report and regularly monitored during the construction stage of the project. In addition, we encourage proponents to conduct post-construction monitoring to ensure all mitigation measures have been effective and are functioning properly.
- Design and construction reports and plans should be based on a best management approach that centres on the prevention of impacts, protection of the existing environment, and opportunities for rehabilitation and enhancement of any impacted areas.
- The proponent's construction and post-construction monitoring plans must be documented in the report, as outlined in Section A.2.5 and A.4.1 of the MEA Class EA parent document.

Consultation

- The report must demonstrate how the consultation provisions of the Class EA have been fulfilled, including documentation of all stakeholder consultation efforts undertaken during the planning process. This includes a discussion in the report that identifies concerns that were raised and **describes how they have been addressed by the proponent** throughout

the planning process. The report should also include copies of comments submitted on the project by interested stakeholders, and the proponent's responses to these comments (as directed by the Class EA to include full documentation).

- Please include the full stakeholder distribution/consultation list in the documentation.

□ **Class EA Process**

- If this project is a Master Plan: there are several different approaches that can be used to conduct a Master Plan, examples of which are outlined in Appendix 4 of the Class EA. **The Master Plan should clearly indicate the selected approach for conducting the plan**, by identifying whether the levels of assessment, consultation and documentation are sufficient to fulfill the requirements for Schedule B or C projects. Please note that any Schedule B or C projects identified in the plan would be subject to Part II Order Requests under the Environmental Assessment Act, although the plan itself would not be. **Please include a description of the approach being undertaken (use Appendix 4 as a reference).**
- If this project is a Master Plan: Any identified projects should also include information on the MCEA schedule associated with the project.
- The report should provide clear and complete documentation of the planning process in order to allow for transparency in decision-making.
- The Class EA requires the consideration of the effects of each alternative on all aspects of the environment (including planning, natural, social, cultural, economic, technical). The report should include a level of detail (e.g. hydrogeological investigations, terrestrial and aquatic assessments, cultural heritage assessments) such that all potential impacts can be identified, and appropriate mitigation measures can be developed. Any supporting studies conducted during the Class EA process should be referenced and included as part of the report.
- Please include in the report a list of all subsequent permits or approvals that may be required for the implementation of the preferred alternative, including but not limited to, MECP's PTTW, EASR Registrations and ECAs, conservation authority permits, species at risk permits, MTO permits and approvals under the *Impact Assessment Act*, 2019.
- Ministry guidelines and other information related to the issues above are available at <http://www.ontario.ca/environment-and-energy/environment-and-energy>. We encourage you to review all the available guides and to reference any relevant information in the report.

Amendments to the EAA through the Covid-19 Economic Recovery Act, 2020

Once the EA Report is finalized, the proponent must issue a Notice of Completion providing a minimum 30-day period during which documentation may be reviewed and comment and input can be submitted to the proponent. The Notice of Completion must be sent to the appropriate MECP Regional Office email address.

The public can request a higher level of assessment on a project if they are concerned about potential adverse impacts to constitutionally protected Aboriginal and treaty rights. In addition, the Minister may issue an order on his or her own initiative within a specified time period. The Director (of the Environmental Assessment Branch) will issue a Notice of Proposed Order to the proponent if the Minister is considering an order for the project within 30 days after the conclusion of the comment period on the Notice of Completion. At this time, the Director may request additional information from the proponent. Once the requested information has been received, the Minister will have 30 days within which to make a decision or impose conditions on your project.

Therefore, the proponent cannot proceed with the project until at least 30 days after the end of the comment period provided for in the Notice of Completion. Further, the proponent may not proceed after this time if:

- a Section 16 Order request has been submitted to the ministry regarding potential adverse impacts to constitutionally protected Aboriginal and treaty rights, or
- the Director has issued a Notice of Proposed order regarding the project.

Please ensure that the Notice of Completion advises that outstanding concerns are to be directed to the proponent for a response, and that in the event there are outstanding concerns regarding potential adverse impacts to constitutionally protected Aboriginal and treaty rights, Section 16 Order requests on those matters should be addressed in writing to:

Minister David Piccini
Ministry of Environment, Conservation and Parks
777 Bay Street, 5th Floor
Toronto ON M7A 2J3
minister.mecp@ontario.ca

and

Director, Environmental Assessment Branch
Ministry of Environment, Conservation and Parks
135 St. Clair Ave. W, 1st Floor
Toronto ON, M4V 1P5
EABDirector@ontario.ca

A PROPONENT’S INTRODUCTION TO THE DELEGATION OF PROCEDURAL ASPECTS OF CONSULTATION WITH ABORIGINAL COMMUNITIES

DEFINITIONS

The following definitions are specific to this document and may not apply in other contexts:

Aboriginal communities – the First Nation or Métis communities identified by the Crown for the purpose of consultation.

Consultation – the Crown’s legal obligation to consult when the Crown has knowledge of an established or asserted Aboriginal or treaty right and contemplates conduct that might adversely impact that right. This is the type of consultation required pursuant to s. 35 of the *Constitution Act, 1982*. Note that this definition does not include consultation with Aboriginal communities for other reasons, such as regulatory requirements.

Crown – the Ontario Crown, acting through a particular ministry or ministries.

Procedural aspects of consultation – those portions of consultation related to the process of consultation, such as notifying an Aboriginal community about a project, providing information about the potential impacts of a project, responding to concerns raised by an Aboriginal community and proposing changes to the project to avoid negative impacts.

Proponent – the person or entity that wants to undertake a project and requires an Ontario Crown decision or approval for the project.

I. PURPOSE

The Crown has a legal duty to consult Aboriginal communities when it has knowledge of an existing or asserted Aboriginal or treaty right and contemplates conduct that may adversely impact that right. In outlining a framework for the duty to consult, the Supreme Court of Canada has stated that the Crown may delegate procedural aspects of consultation to third parties. This document provides general information about the Ontario Crown’s approach to delegation of the procedural aspects of consultation to proponents.

This document is not intended to instruct a proponent about an individual project, and it does not constitute legal advice.

II. WHY IS IT NECESSARY TO CONSULT WITH ABORIGINAL COMMUNITIES?

The objective of the modern law of Aboriginal and treaty rights is the *reconciliation* of Aboriginal peoples and non-Aboriginal peoples and their respective rights, claims and interests. Consultation is an important component of the reconciliation process.

The Crown has a legal duty to consult Aboriginal communities when it has knowledge of an existing or asserted Aboriginal or treaty right and contemplates conduct that might adversely impact that right. For example, the Crown’s duty to consult is triggered when it considers

issuing a permit, authorization or approval for a project which has the potential to adversely impact an Aboriginal right, such as the right to hunt, fish, or trap in a particular area.

The scope of consultation required in particular circumstances ranges across a spectrum depending on both the nature of the asserted or established right and the seriousness of the potential adverse impacts on that right.

Depending on the particular circumstances, the Crown may also need to take steps to accommodate the potentially impacted Aboriginal or treaty right. For example, the Crown may be required to avoid or minimize the potential adverse impacts of the project.

III. THE CROWN'S ROLE AND RESPONSIBILITIES IN THE DELEGATED CONSULTATION PROCESS

The Crown has the responsibility for ensuring that the duty to consult, and accommodate where appropriate, is met. However, the Crown may delegate the procedural aspects of consultation to a proponent.

There are different ways in which the Crown may delegate the procedural aspects of consultation to a proponent, including through a letter, a memorandum of understanding, legislation, regulation, policy and codes of practice.

If the Crown decides to delegate procedural aspects of consultation, the Crown will generally:

- Ensure that the delegation of procedural aspects of consultation and the responsibilities of the proponent are clearly communicated to the proponent;
- Identify which Aboriginal communities must be consulted;
- Provide contact information for the Aboriginal communities;
- Revise, as necessary, the list of Aboriginal communities to be consulted as new information becomes available and is assessed by the Crown;
- Assess the scope of consultation owed to the Aboriginal communities;
- Maintain appropriate oversight of the actions taken by the proponent in fulfilling the procedural aspects of consultation;
- Assess the adequacy of consultation that is undertaken and any accommodation that may be required;
- Provide a contact within any responsible ministry in case issues arise that require direction from the Crown; and
- Participate in the consultation process as necessary and as determined by the Crown.

IV. THE PROPONENT'S ROLE AND RESPONSIBILITIES IN THE DELEGATED CONSULTATION PROCESS

Where aspects of the consultation process have been delegated to a proponent, the Crown, in meeting its duty to consult, will rely on the proponent's consultation activities and documentation of those activities. The consultation process informs the Crown's decision of whether or not to approve a proposed project or activity.

A proponent's role and responsibilities will vary depending on a variety of factors including the extent of consultation required in the circumstance and the procedural aspects of consultation the Crown has delegated to it. Proponents are often in a better position than the Crown to discuss a project and its potential impacts with Aboriginal communities and to determine ways to avoid or minimize the adverse impacts of a project.

A proponent can raise issues or questions with the Crown at any time during the consultation process. If issues or concerns arise during the consultation that cannot be addressed by the proponent, the proponent should contact the Crown.

a) What might a proponent be required to do in carrying out the procedural aspects of consultation?

Where the Crown delegates procedural aspects of consultation, it is often the proponent's responsibility to provide notice of the proposed project to the identified Aboriginal communities. The notice should indicate that the Crown has delegated the procedural aspects of consultation to the proponent and should include the following information:

- a description of the proposed project or activity;
- mapping;
- proposed timelines;
- details regarding anticipated environmental and other impacts;
- details regarding opportunities to comment; and
- any changes to the proposed project that have been made for seasonal conditions or other factors, where relevant.

Proponents should provide enough information and time to allow Aboriginal communities to provide meaningful feedback regarding the potential impacts of the project. Depending on the nature of consultation required for a project, a proponent also may be required to:

- provide the Crown with copies of any consultation plans prepared and an opportunity to review and comment;
- ensure that any necessary follow-up discussions with Aboriginal communities take place in a timely manner, including to confirm receipt of information, share and update information and to address questions or concerns that may arise;

- as appropriate, discuss with Aboriginal communities potential mitigation measures and/or changes to the project in response to concerns raised by Aboriginal communities;
- use language that is accessible and not overly technical, and translate material into Aboriginal languages where requested or appropriate;
- bear the reasonable costs associated with the consultation process such as, but not limited to, meeting hall rental, meal costs, document translation(s), or to address technical & capacity issues;
- provide the Crown with all the details about potential impacts on established or asserted Aboriginal or treaty rights, how these concerns have been considered and addressed by the proponent and the Aboriginal communities and any steps taken to mitigate the potential impacts;
- provide the Crown with complete and accurate documentation from these meetings and communications; and
- notify the Crown immediately if an Aboriginal community not identified by the Crown approaches the proponent seeking consultation opportunities.

b) What documentation and reporting does the Crown need from the proponent?

Proponents should keep records of all communications with the Aboriginal communities involved in the consultation process and any information provided to these Aboriginal communities.

As the Crown is required to assess the adequacy of consultation, it needs documentation to satisfy itself that the proponent has fulfilled the procedural aspects of consultation delegated to it. The documentation required would typically include:

- the date of meetings, the agendas, any materials distributed, those in attendance and copies of any minutes prepared;
- the description of the proposed project that was shared at the meeting;
- any and all concerns or other feedback provided by the communities;
- any information that was shared by a community in relation to its asserted or established Aboriginal or treaty rights and any potential adverse impacts of the proposed activity, approval or disposition on such rights;
- any proposed project changes or mitigation measures that were discussed, and feedback from Aboriginal communities about the proposed changes and measures;
- any commitments made by the proponent in response to any concerns raised, and feedback from Aboriginal communities on those commitments;
- copies of correspondence to or from Aboriginal communities, and any materials distributed electronically or by mail;

- information regarding any financial assistance provided by the proponent to enable participation by Aboriginal communities in the consultation;
- periodic consultation progress reports or copies of meeting notes if requested by the Crown;
- a summary of how the delegated aspects of consultation were carried out and the results; and
- a summary of issues raised by the Aboriginal communities, how the issues were addressed and any outstanding issues.

In certain circumstances, the Crown may share and discuss the proponent's consultation record with an Aboriginal community to ensure that it is an accurate reflection of the consultation process.

c) Will the Crown require a proponent to provide information about its commercial arrangements with Aboriginal communities?

The Crown may require a proponent to share information about aspects of commercial arrangements between the proponent and Aboriginal communities where the arrangements:

- include elements that are directed at mitigating or otherwise addressing impacts of the project;
- include securing an Aboriginal community's support for the project; or
- may potentially affect the obligations of the Crown to the Aboriginal communities.

The proponent should make every reasonable effort to exempt the Crown from confidentiality provisions in commercial arrangements with Aboriginal communities to the extent necessary to allow this information to be shared with the Crown.

The Crown cannot guarantee that information shared with the Crown will remain confidential. Confidential commercial information should not be provided to the Crown as part of the consultation record if it is not relevant to the duty to consult or otherwise required to be submitted to the Crown as part of the regulatory process.

V. WHAT ARE THE ROLES AND RESPONSIBILITIES OF ABORIGINAL COMMUNITIES' IN THE CONSULTATION PROCESS?

Like the Crown, Aboriginal communities are expected to engage in consultation in good faith. This includes:

- responding to the consultation notice;
- engaging in the proposed consultation process;
- providing relevant documentation;

- clearly articulating the potential impacts of the proposed project on Aboriginal or treaty rights; and
- discussing ways to mitigate any adverse impacts.

Some Aboriginal communities have developed tools, such as consultation protocols, policies or processes that provide guidance on how they would prefer to be consulted. Although not legally binding, proponents are encouraged to respect these community processes where it is reasonable to do so. Please note that there is no obligation for a proponent to pay a fee to an Aboriginal community in order to enter into a consultation process.

To ensure that the Crown is aware of existing community consultation protocols, proponents should contact the relevant Crown ministry when presented with a consultation protocol by an Aboriginal community or anyone purporting to be a representative of an Aboriginal community.

VI. WHAT IF MORE THAN ONE PROVINCIAL CROWN MINISTRY IS INVOLVED IN APPROVING A PROPONENT'S PROJECT?

Depending on the project and the required permits or approvals, one or more ministries may delegate procedural aspects of the Crown's duty to consult to the proponent. The proponent may contact individual ministries for guidance related to the delegation of procedural aspects of consultation for ministry-specific permits/approvals required for the project in question. Proponents are encouraged to seek input from all involved Crown ministries sooner rather than later.

Client's Guide to Preliminary Screening for Species at Risk

***Ministry of the Environment, Conservation and Parks
Species at Risk Branch, Permissions and Compliance***

DRAFT - May 2019

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1.0 Purpose, Scope, Background and Context

1.1 Purpose of this Guide

This guide has been created to:

- help clients better understand their obligation to gather information and complete a preliminary screening for species at risk before contacting the ministry,
- outline guidance and advice clients can expect to receive from the ministry at the preliminary screening stage,
- help clients understand how they can gather information about species at risk by accessing publicly available information housed by the Government of Ontario, and
- provide a list of other potential sources of species at risk information that exist outside the Government of Ontario.

It remains the client's responsibility to:

- carry out a preliminary screening for their projects,
- obtain best available information from all applicable information sources,
- conduct any necessary field studies or inventories to identify and confirm the presence or absence of species at risk or their habitat,
- consider any potential impacts to species at risk that a proposed activity might cause, and
- comply with the *Endangered Species Act (ESA)*.

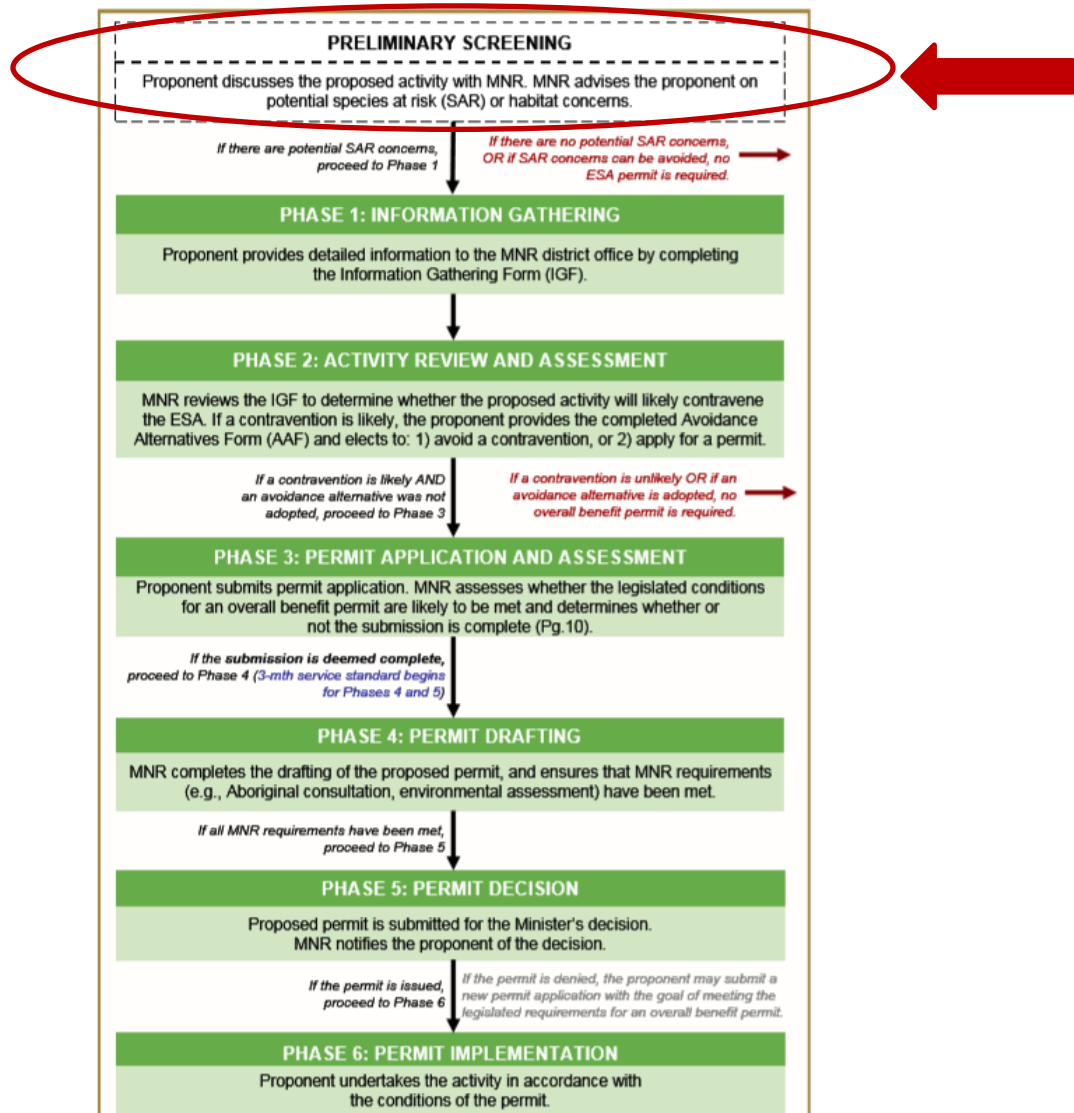
To provide the most efficient service, clients should initiate species at risk screenings and seek information from all applicable information sources identified in this guide, at a minimum, prior to contacting Government of Ontario ministry offices for further information or advice.

1.2 Scope

This guide is a resource for clients seeking to understand if their activity is likely to impact species at risk or if they are likely to trigger the need for an authorization under the ESA. It is not intended to circumvent any detailed site surveys that may be necessary to document species at risk or their habitat nor to circumvent the need to assess the impacts of a proposed activity on species at risk or their habitat. This guide is not an exhaustive list of available information sources for any given area as the availability of information on species at risk and their habitat varies across the province. This guide is intended to support projects and activities carried out on Crown and private land, by private landowners, businesses, other provincial ministries and agencies, or municipal government.

1.3 Background and Context

To receive advice on their proposed activity, clients must first determine whether any species at risk or their habitat exist or are likely to exist at or near their proposed activity, and whether their proposed activity is likely to contravene the ESA. Once this step is complete, clients may contact the ministry at SAROntario@ontario.ca to discuss the main purpose, general methods, timing and location of their proposed activity as well as information obtained about species at risk and their habitat at, or near, the site. At this stage, the ministry can provide advice and guidance to the client about potential species at risk or habitat concerns, measures that the client is considering to avoid adverse effects on species at risk or their habitat and whether additional field surveys are advisable. This is referred to as the “Preliminary Screening” stage. For more information on additional phases in the diagram below, please refer to the *Endangered Species Act Submission Standards for Activity Review and 17(2)(c) Overall Benefit Permits* policy available online at <https://www.ontario.ca/page/species-risk-overall-benefit-permits>



2.0 Roles and Responsibilities

To provide the most efficient service, clients should initiate species at risk screenings and seek information from all applicable information sources identified in this guide prior to contacting Government of Ontario ministry offices for further information or advice.

Step 1: Client seeks information regarding species at risk or their habitat that exist, or are likely to exist, at or near their proposed activity by referring to all applicable information sources identified in this guide.

Step 2: Client reviews and consider guidance on whether their proposed activity is likely to contravene the ESA (see section 3.4 of this guide for guidance on what to consider).

Step 3: Client gathers information identified in the checklist in section 4 of this guide.

Step 4: Client contacts the ministry at SAROntario@ontario.ca to discuss their preliminary screening. Ministry staff will ask the client questions about the main purpose, general methods, timing and location of their proposed activity as well as information obtained about species at risk and their habitat at, or near, the site. Ministry staff will also ask the client for their interpretation of the impacts of their activity on species at risk or their habitat as well as measures the client has considered to avoid any adverse impacts.

Step 5: Ministry staff will provide advice on next steps.

Option A: Ministry staff may advise the client they can proceed with their activity without an authorization under the ESA where the ministry is confident that:

- no protected species at risk or habitats are likely to be present at or near the proposed location of the activity; or
- protected species at risk or habitats are known to be present but the activity is not likely to contravene the ESA; or
- through the adoption of avoidance measures, the modified activity is not likely to contravene the ESA.

Option B: Ministry staff may advise the client to proceed to Phase 1 of the overall benefit permitting process (i.e. Information Gathering in the previous diagram), where:

- there is uncertainty as to whether any protected species at risk or habitats are present at or near the proposed location of the activity; or
- the potential impacts of the proposed activity are uncertain; or
- ministry staff anticipate the proposed activity is likely to contravene the ESA.

3.0 Information Sources

Land Information Ontario (LIO) and the Natural Heritage Information Centre (NHIC) maintain and provide information about species at risk, as well as related information about fisheries, wildlife, crown lands, protected lands and more. This information is made available to organizations, private individuals, consultants, and developers through online sources and is often considered under various pieces of legislation or as part of regulatory approvals and planning processes.

The information available from LIO or NHIC and the sources listed in this guide should not be considered as a substitute for site visits and appropriate field surveys. Generally, this information can be regarded as a starting point from which to conduct further field surveys, if needed. While this data represents best available current information, it is important to note that a lack of information for a site does not mean that species at risk or their habitat are not present. There are many areas where the Government of Ontario does not currently have information, especially in more remote parts of the province. The absence of species at risk location data at or near your site does not necessarily mean no species at risk are present at that location. On-site assessments can better verify site conditions, identify and confirm presence of species at risk and/or their habitats.

Information on the location (i.e. observations and occurrences) of species at risk is considered sensitive and therefore publicly available only on a 1km square grid as opposed to as a detailed point on a map. This generalized information can help you understand which species at risk are in the general vicinity of your proposed activity and can help inform field level studies you may want to undertake to confirm the presence, or absence of species at risk at or near your site.

Should you require specific and detailed information pertaining to species at risk observations and occurrences at or near your site on a finer geographic scale; you will be required to demonstrate your need to access this information, to complete data sensitivity training and to obtain a Sensitive Data Use License from the NHIC. Information on how to obtain a license can be found online at <https://www.ontario.ca/page/get-natural-heritage-information>.

Many organizations (e.g. other Ontario ministries, municipalities, conservation authorities) have ongoing licensing to access this data so be sure to check if your organization has this access and consult this data as part of your preliminary screening if your organization already has a license.

3.1 Make a Map: Natural Heritage Areas

The Make a Natural Heritage Area Map (available online at http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US) provides public access to natural heritage information, including species at risk, without the user needing to have Geographic Information System (GIS) capability. It allows users to view and identify generalized species at risk information, mark areas of interest, and create and print a custom map directly from the web application. The tool also shows topographic information such as roads, rivers, contours and municipal boundaries.

Users are advised that sensitive information has been removed from the natural areas dataset and the occurrences of species at risk has been generalized to a 1-kilometre grid to mitigate the risks to the species (e.g. illegal harvest, habitat disturbance, poaching).

The web-based mapping tool displays natural heritage data, including:

- Generalized Species at risk occurrence data (based on a 1-km square grid),
- Natural Heritage Information Centre data.

Data cannot be downloaded directly from this web map; however, information included in this application is available digitally through Land Information Ontario (LIO) at <https://www.ontario.ca/page/land-information-ontario>.

3.2 Land Information Ontario (LIO)

Most natural heritage data is publicly available. This data is managed in a large provincial corporate database called the LIO Warehouse and can be accessed online through the LIO Metadata Management Tool at <https://www.javacoeapp.lrc.gov.on.ca/geonetwork/srv/en/main.home>. This tool provides descriptive information about the characteristics, quality and context of the data. Publicly available geospatial data can be downloaded directly from this site.

While most data are publicly available, some data may be considered highly sensitive (i.e. nursery areas for fish, species at risk observations) and as such, access to some data maybe restricted.

3.3 Additional Species at Risk Information Sources

- The Breeding Bird Atlas can be accessed online at <http://www.birdsontario.org/atlas/index.jsp?lang=en>
- eBird can be accessed online at <https://ebird.org/home>
- iNaturalist can be accessed online at <https://www.inaturalist.org/>
- The Ontario Reptile and Amphibian Atlas can be accessed online at <https://ontarionature.org/programs/citizen-science/reptile-amphibian-atlas>
- Your local Conservation Authority. Information to help you find your local Conservation Authority can be accessed online at <https://conservationontario.ca/conservation-authorities/find-a-conservation-authority/>

Local naturalist groups or other similar community-based organizations

- Local Indigenous communities
- Local land trusts or other similar Environmental Non-Government Organizations
- Field level studies to identify if species at risk, or their habitat, are likely present or absent at or near the site.
- When an activity is proposed within one of the continuous caribou ranges, please be sure to consider the caribou Range Management Policy. This policy includes figures and maps of the continuous caribou range, can be found online at <https://www.ontario.ca/page/range-management-policy-support-woodland-caribou-conservation-and-recovery>

3.4 Information Sources to Support Impact Assessments

- Guidance to help you understand if your activity is likely to adversely impact species at risk or their habitat can be found online at <https://www.ontario.ca/page/policy-guidance-harm-and-harass-under-endangered-species-act> and <https://www.ontario.ca/page/categorizing-and-protecting-habitat-under-endangered-species-act>
- A list of species at risk in Ontario is available online at <https://www.ontario.ca/page/species-risk-ontario>. On this webpage, you can find out more about each species, including where it lives, what threatens it and any specific habitat protections that apply to it by clicking on the photo of the species.

4.0 Check-List

Please feel free to use the check list below to help you confirm you have explored all applicable information sources and to support your discussion with Ministry staff at the preliminary screening stage.

- ✓ Land Information Ontario (LIO)
- ✓ Natural Heritage Information Centre (NHIC)
- ✓ The Breeding Bird Atlas
- ✓ eBird
- ✓ iNaturalist
- ✓ Ontario Reptile and Amphibian Atlas
- ✓ List Conservation Authorities you contacted: _____

- ✓ List local naturalist groups you contacted: _____

- ✓ List local Indigenous communities you contacted: _____

- ✓ List any other local land trusts or Environmental Non-Government Organizations you contacted: _____

- ✓ List and field studies that were conducted to identify species at risk, or their habitat, likely to be present or absent at or near the site: _____

- ✓ List what you think the likely impacts of your activity are on species at risk and their habitat (e.g. damage or destruction of habitat, killing, harming or harassing species at risk): _____

Subject:

RE: CFN 69397 - Finch Stormwater Pumping Station - TRCA Response to NOC and PIC

From: Emma Benko <emma.benko@trca.ca>**Sent:** Monday, July 17, 2023 3:46 PM**To:** Rastrullo, Paul <paul.rastrullo@peelregion.ca>**Cc:** Victoria Kramkowski <Victoria.Kramkowski@trca.ca>; Shirin Varzgani <Shirin.Varzgani@trca.ca>; Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>**Subject:** CFN 69397 - Finch Stormwater Pumping Station - TRCA Response to NOC and PIC

Good Afternoon Paul,

Please find attached TRCA's response to the Notice of Commencement and Public Information Session for the above noted project.

Please let me know if you have any questions. Thank you,

Emma Benko (She/Her)

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [\(437\) 880-2422](tel:(437)880-2422)E: emma.benko@trca.caA: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](https://www.trca.ca) | [trca.ca](https://www.trca.ca)

July 13, 2023

CFN 69397

BY E-MAIL ONLY (paul.rastrullo@peelregion.ca)

Paul Rastrullo
Regional Municipality of Peel
10 Peel Centre Dr., Suite B, 4th Floor
Brampton, ON
L6T 4B9

Dear Paul Rastrullo,

**Re: Notice of Commencement
Finch Stormwater Pumping Station
Class Environmental Assessment – Schedule “B”**

These comments respond to the above noted Notice of Commencement and Public Information Session received by Toronto and Region Conservation Authority (TRCA) staff on June 1, 2023.

OVERVIEW

This undertaking involves assessing upgrades to the Finch SWM Pumping Station near Kenview Boulevard and Steeles Avenue, in the City of Mississauga. The Region’s preferred alternative involves a new control building at the existing wet well location and maintaining the existing wet well location. It is noted that the station is designed to prevent 1 in 10 year flooding on Finch Avenue.

A listing of documents reviewed is provided in Appendix A: Documents Reviewed by TRCA.

COMMENTING ROLE

Staff has reviewed the study area associated with this proposal in accordance with the Conservation Authorities Act and its regulations, including mandatory commenting on Planning Act and Environmental Assessment Act applications. TRCA undertakes review and commenting functions in accordance with [The Living City Policies](#). For additional information, please see [TRCA Role in the Plan Input and Review Process](#).

TRCA REVIEW

1. TRCA staff has interest within the study area related to both impacts on natural systems, natural hazard management, and mitigating and adapting for the effects of climate change. As the EA progresses and alternatives are reviewed, opportunities to avoid, mitigate, restore, and as a last resort, compensate for impacts to valley and stream corridors should be addressed. Additionally,

both source water protection and best management practices that support climate change mitigation and adaptation must be considered.

2. Staff has completed a comprehensive review of the above-noted submission and has several comments which are enclosed as Appendix B: TRCA Comments and Proponent Responses. These should be addressed as the EA progresses.

CONTACT INFORMATION

1. To ensure TRCA concerns are addressed early in the review process, it is recommended that the TRCA planner be contacted when key project milestones are reached, as detailed in the Recommended TRCA Contact Points in the Municipal Class EA or Other Processes.
2. Contact the undersigned to discuss the appropriate time for a site visit and ensure the undersigned is included in the technical advisory committee.
3. Add Victoria Kramkowski, Government and Community Relations Specialist to the project mailing list to receive any public information updates.

SUBMISSION REQUIREMENTS, TRCA DATA AND REVIEW FEES

1. Follow the TRCA Digital Submission Requirements for Environmental Assessment Documents to ensure all required information is provided in future submissions.
2. TRCA has select digital data available through an open data platform on the TRCA website that should be used to supplement the existing conditions analysis in the development of the environmental assessment.
3. Upon request, TRCA can provide additional data for areas of interest not available on the web. Please contact the undersigned as needed.
4. This EA is part of a service level agreement, and no fees are required.

Should you have any questions or require any additional information please contact me at 437-880-2422 or at emma.benko@trca.ca.

Regards,

Emma Benko

Emma Benko
Planner, Infrastructure Planning and Permits
Development and Engineering Services

Attached: Appendix A: Documents Reviewed by TRCA.
Appendix B: TRCA Comments and Proponent Responses
Enclosed: Appendix B: TRCA Comments and Proponent Responses, WORD digital file for consultant/proponent response purposes

BY E-MAIL

cc: GM BluePlan Engineering: Eric Duivesteyn; (eric.duivesteyn@gmblueplan.ca)
Laura Verhaeghe (laura.verhaeghe@gmblueplan.ca)

TRCA: Victoria Kramkowski, Government and Community Relations Specialist

APPENDIX A: DOCUMENTS REVIEWED BY TRCA

DOCUMENTS REVIEWED

1. Notice of Commencement Letter dated May 18, 2023
2. Public Information Slides dated June 1, 2023

APPENDIX B: TRCA COMMENTS AND PROPONENT RESPONSES

ITEM	DOCUMENT	TRCA COMMENTS (July 17, 2023)	PROponent/CONSULTANT RESPONSE (INSERT DATE)
1.	PIC Slides	<p align="center">Water Resources</p> <p>Please be advised onsite retention of 5mm of runoff from any additional impervious surface resulted from this project is required.</p>	

From: Emma Benko <emma.benko@trca.ca>
Sent: Thursday, May 11, 2023 9:39 AM
To: Ana Brankovan - GM BluePlan
Cc: Rastrullo, Paul; Eric Duivesteyn - GM BluePlan; Laura Verhaeghe - GM BluePlan
Subject: RE: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Evaluation Results Review (122062)

Hi Ana,

Thank you for reaching out regarding the Finch Stormwater Pumping Station. I've screened the project footprint and can confirm that the area is regulated by TRCA. At this stage if staff could be circulated at the [TRCA Recommended Contact Points](#) that would be greatly appreciated. Given the extent of the regulated area, which is mainly floodplain around the exterior limits of the footprint, a meeting at this time may not be necessary. However, throughout the review process if there are any questions regarding staff's comments, we would be glad to meet.

Please let me know if you have any questions. Thank you,

Emma Benko (She/Her)

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [\(437\) 880-2422](tel:4378802422)

E: emma.benko@trca.ca

A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](https://www.trca.ca/101-Exchange-Avenue-Vaughan-ON-L4K-5R6) | [trca.ca](https://www.trca.ca)



From: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>

Sent: Wednesday, April 26, 2023 3:18 PM

To: Emma Benko <emma.benko@trca.ca>

Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>; Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>; Marina Janakovic <Marina.Janakovic@trca.ca>

Subject: RE: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Evaluation Results Review (122062)

Good Afternoon Emma,

I am writing to follow up on the email about a Schedule 'B' Class EA project in Brampton that Marina has forwarded to you. The project is for the Finch Stormwater Pumping Station, which has portions of the Study Area within TRCA regulated area. The email correspondence below has further project details. We are at a stage where we would like to give the TRCA an opportunity to provide feedback and a would like to know if you are interested in a meeting to review the preliminary results of the evaluation and provide comments.

I wanted to confirm that you received the earlier email or my voicemail and kindly ask for an update.

Thank you for your time and consideration.

Best Regards,

Ana Brankovan, E.I.T.
Project Designer

GM BluePlan Engineering Limited
650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8
t: 519.824.8150 ext. 1241 | c: 226.820.6493
ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



From: Marina Janakovic <Marina.Janakovic@trca.ca>
Sent: Thursday, April 06, 2023 11:53 AM
To: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>; Emma Benko <emma.benko@trca.ca>
Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>;
Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>
Subject: RE: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Evaluation Results Review (122062)

Hello, I apologize for the late response as I took some time off. This inquiry is for the Infrastructure Planning and Permits Department at TRCA.

[@Emma Benko](#) please provide a response.

Thank you.

Regards,
Marina Janakovic, BES (Hons)
Planner I
Development, Planning and Permits | Development and Engineering Services
T: + 1 (437) 880-2368
E: Marina.Janakovic@trca.ca
A: 101 Exchange Avenue, Vaughan, ON, L4K 5R6 | trca.ca



PLEASE DO NOT SEND LARGE ATTACHMENTS VIA EMAIL. PLEASE USE A FREE FILE SHARING SERVICE AND SEND A LINK. OUR EMAIL MESSAGE LIMIT IS 20 MB.

All digital submissions and documents can be submitted to the following e-mail addresses:
Enquiries/ applications within Peel Region municipalities – peelplan@trca.ca
Enquiries/ applications within York Region municipalities – yorkplan@trca.ca

From: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>
Sent: Thursday, March 23, 2023 2:02 PM
To: Marina Janakovic <Marina.Janakovic@trca.ca>

Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>;
Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>

Subject: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Evaluation Results Review (122062)

Dear Marina,

The Region of Peel is in the process of initiating a Schedule 'B' Municipal Class EA for the Finch Stormwater Pumping Station (SWPS), with GM BluePlan as the Region's consultant. The Finch SWPS, located at 7848 Finch Avenue in Brampton across from Wet n' Wild in Brampton, is aging and requires upgrades to meet current standards and to continue providing flood protection for the area. The project website provides additional information and includes a map of the Study Area: [Finch Stormwater Pumping Station upgrades - Region of Peel \(peelregion.ca\)](http://peelregion.ca/Finch-Stormwater-Pumping-Station-upgrades)

To date, we have completed a preliminary evaluation of alternatives to relocate the Finch SWPS facility. Portions of the Study Area are within TRCA regulated area; however, our preliminary preferred alternative location for the new facility is outside TRCA regulated areas. As such, we do not expect a TRCA permit will be required for capital works.

At this stage, we would like to give the TRCA an opportunity to provide feedback. Please let us know if you are interested in a meeting to review the preliminary results of the evaluation and provide comments on the proposed area of construction and potential permitting requirements or design considerations.

Thank you,

Ana Brankovan, E.I.T.

Project Designer

GM BluePlan Engineering Limited

650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8

t: 519.824.8150 ext. 1241 | c: 226.820.6493

ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



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From: Ana Brankovan - GM BluePlan
Sent: Friday, May 19, 2023 2:11 PM
To: salar.zulfiquar@cn.ca
Cc: Laura Verhaeghe - GM BluePlan; Eric Duivesteyn - GM BluePlan; Rastrullo, Paul
Subject: FW: Notices of Study Commencement and Public Information Centre – Finch Stormwater Pumping Station Upgrades
Attachments: RE: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Recommendations Review (122062); Notice of Commencement and PIC_Finch SWPS_FINAL.pdf

Hello Salar,

Hope this email finds you well.

I spoke with Umair, a CN railway contact, about a project located close to your infrastructure and I was informed you are the appropriate contact.

The Region of Peel has initiated a Schedule 'B' Class Environmental Assessment for Upgrades to the Finch Stormwater Pumping Station to ensure continued reliable operation to protect the area from flooding. Please find the attached the **Notice of Study Commencement and Public Information Centre** with further details on where to find more information on this study.

We have previously tried to contact CN railway to arrange a meeting since the pumping station is **located very close to the CN railway** on Finch Avenue West in Brampton (see attached email correspondence). As CN Railway is an important stakeholder in this project, we would like **to arrange a meeting to review** the preliminary recommendations of the Class EA. Please let us know your availability for a virtual meeting.

Thank you,

Ana Brankovan, E.I.T.
Project Designer

GM BluePlan Engineering Limited
650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8
t: 519.824.8150 ext. 1241 | c: 226.820.6493
ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



From: Ana Brankovan - GM BluePlan
Sent: Thursday, May 04, 2023 3:52 PM
To: Jacqueline Sapp
Cc: Rastrullo, Paul; Eric Duivesteyn - GM BluePlan; Laura Verhaeghe - GM BluePlan; Julianne Threlfall
Subject: RE: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Recommendations Review (122062)
Attachments: Finch SWPS infrastructure map.pdf
Importance: High

Jackie,

I am following up on our **virtual meeting request** for the Finch Stormwater Pumping Station Upgrades Class Environmental Assessment in Brampton, ON, which has **proposed construction works very close to CN Railway at Finch Ave W** (see attached figure). We would like to review our preliminary recommendations with CN Railway due to potential impacts during construction given that the wet well is located directly adjacent to the railway.

Please let us know your availability for a meeting. If there is someone else we should contact about this matter, can you please provide us with contact information?

Thank you,

Ana Brankovan, E.I.T.
Project Designer

GM BluePlan Engineering Limited
650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8
c: 226.820.6493
ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



From: Ana Brankovan - GM BluePlan
Sent: Thursday, April 06, 2023 10:18 AM
To: Jacqueline Sapp <JACKIE.SAPP@CN.CA>
Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>; Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>
Subject: RE: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Recommendations Review (122062)

Good Morning Jackie,

I hope this email finds you well. I wanted to follow-up on a meeting request, which was the subject of our earlier correspondence with Julianne. She has informed us that you are the correct CN contact for our southern Ontario region project and we would appreciate your feedback.

The Region of Peel is in the process of initiating a Schedule 'B' Municipal Class EA for the Finch Stormwater Pumping Station (SWPS), with GM BluePlan as the Region's consultant station is located along Finch Avenue West in Brampton, northwest of the CN railway, as shown in the attached figure. GM BluePlan has had some initial discussions with CN regarding property ownership, and it is our understanding that the Region's wet well for the Finch SWPS is located immediately adjacent to CN property, but within the Region's property.

Due to proximity to CN lands and potential impacts during construction, we would like to **request a virtual meeting with CN to review our preliminary recommended upgrades and proposed area for construction.** Please let us know your availability for a meeting.

Thank you,

Ana Brankovan, E.I.T.
Project Designer

GM BluePlan Engineering Limited
650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8
t: 519.824.8150 ext. 1241 | c: 226.820.6493
ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



From: Julianne Threlfall <Julianne.Threlfall@cn.ca>
Sent: Thursday, March 30, 2023 9:15 AM
To: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>; Jacqueline Sapp <JACKIE.SAPP@CN.CA>
Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>; Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>
Subject: Re: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Recommendations Review (122062)

Hi Ana

Jackie.sapp@cn.ca should be the correct email she is copied here as well.

Thank you

Julianne

From: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>
Sent: Thursday, March 30, 2023 7:08:33 AM
To: Julianne Threlfall <Julianne.Threlfall@cn.ca>
Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>; Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>
Subject: RE: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Recommendations Review (122062)

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Good Morning Julianne,

Thank you for confirming the correct contact for our project – we will coordinate with Jackie Sapp.

Could you please provide us with Jackie's email information? I cannot see it in your prior email.

Thank you,

Ana Brankovan, E.I.T.

Project Designer

GM BluePlan Engineering Limited

650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8

t: 519.824.8150 ext. 1241 | c: 226.820.6493

ana.brankovan@gmblueplan.ca | http://secure-web.cisco.com/16wdbWQkaNNILipSTuU5M-wkAq_S3ZMJJiO6r8vtKplKJfVbLV97qDPJw7DJTq_MOpyvdOfE4UNM2OfBEV7_NdTx8ynL3qjMjHQ_tEhk-phzNxETO9nVCo8pgKfpFHSilovILZc-0hFsG9cu8USEB8-JK1ybl-OV5EoULdYzfhQa4gc8RtAd6Yzc5Xq7DWJ5KwylKdnHARvO4SV4Taan1BEbBztFf9AaikShkcD2DF1i6Wr4Ozl2toJ4GcGGDGawhXSeo62C0L-3UXX8KOWNHt257pV8tz5Z6ESTISMN8oXOONPWYn6_wZcErQ2hFG/http%3A%2F%2Fwww.gmblueplan.ca



From: Julianne Threlfall <Julianne.Threlfall@cn.ca>

Sent: Wednesday, March 29, 2023 3:52 PM

To: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>

Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>;

Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>

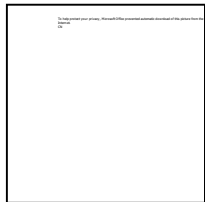
Subject: Re: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Recommendations Review (122062)

Good Afternoon Ana,

I am no longer the correct contact for this project. Your CN Public Works contact is Jackie Sapp and is copied here. Jackie is the Manager of Public Works for the Southern Ontario region.

Please coordinate with Jackie accordingly.

Thank you,



Julianne Threlfall (She/Her)

Manager, Public and Government Affairs – AB & NWT

C: **587-341-0266**

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[CN In Your Community](#) | [Proud to be your neighbor](#)

From: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>

Sent: Thursday, March 23, 2023 1:06:07 PM

To: Julianne Threlfall <Julianne.Threlfall@cn.ca>

Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>;

Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>

Subject: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Recommendations Review (122062)

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Dear Julianne,

The Region of Peel is in the process of initiating a Schedule 'B' Municipal Class EA for the Finch Stormwater Pumping Station (SWPS), with GM BluePlan as the Region's consultant station is located along Finch Avenue West in Brampton, northwest of the CN railway, as shown in the attached figure. GM BluePlan has had some initial discussions with CN regarding property ownership, and it is our understanding that the Region's wet well for the Finch SWPS is located immediately adjacent to CN property, but within the Region's property.

Due to proximity to CN lands and potential impacts during construction, we would like to request a virtual meeting with CN to review our preliminary recommended upgrades and proposed area for construction. Please let us know your availability for a meeting.

Thank you,

Ana Brankovan, E.I.T.

Project Designer

GM BluePlan Engineering Limited

650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8

t: 519.824.8150 ext. 1241 | c: 226.820.6493

ana.brankovan@gmblueplan.ca | http://secure-web.cisco.com/1kINhdENENGmzDSvfpBNDF-vNuJcbHYSZ56kJ1uEIEsSWLg9r-qReoirWLyW98-paT04gRP3ey4ud9xRJhYQqQ6nDpj-MSIK3swRfPZ2T85oi0GdQx347X3ezKmsY_HMhzqfc81Egh_J4ZB1X6HhetAL9t5M4B-b_Klhmp4XKvqiyTulnGPizzBXwO5-VqjDt_MTeGgDnrrz4LF8i5NLSuV2UK0cUp992td5xY13nOnTq2Kd9miQBTK2QtPQyyqKE-3ayJVyc0tIOGqEoYlg783qxyLHTWNHx9NF0VtZQ48Te0xWrxl_oTi1udPGRWI45/http%3A%2F%2Fwww.gmblueplan.ca



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From: Emilio Labra <Emilio.Labra@enbridge.com>
Sent: Tuesday, April 04, 2023 3:16 PM
To: Ana Brankovan - GM BluePlan
Cc: Rastrullo, Paul; Eric Duivesteyn - GM BluePlan; Laura Verhaeghe - GM BluePlan
Subject: RE: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Recommendations Review (122062)

Since this involves a CER Pipeline, this needs to be reviewed with our CER Pipeline Group which has the responsibility of issuing clearances.

The process will need a submission to Mark-up first which will then be sent to CER Pipeline Engineering for review and comments.

Regards,

Emilio Labra

Sr. Advisor Construction Project Management
Planning – GTA-W
Brampton, ON
Tel. 905-458-3811
Cell. 416-427-4386

From: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>
Sent: Tuesday, April 04, 2023 2:17 PM
To: Emilio Labra <Emilio.Labra@enbridge.com>
Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>; Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>
Subject: [External] RE: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Recommendations Review (122062)

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Good Afternoon Emilio,

Thank you for the information provided. The project team is still working on the preliminary drawings, which will be shared with Enbridge.

A meeting to discuss the preliminary plan may still be needed, which we will coordinate with you. Please let us know if you wish to discuss sooner.

Best Regards,

Ana Brankovan, E.I.T.

Project Designer

GM BluePlan Engineering Limited

650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8

t: 519.824.8150 ext. 1241 | c: 226.820.6493

ana.brankovan@gmblueplan.ca | www.gmblueplan.ca



From: Emilio Labra <Emilio.Labra@enbridge.com>

Sent: Tuesday, April 04, 2023 10:06 AM

To: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>

Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>;

Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>

Subject: RE: Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Recommendations Review (122062)

Hello Ana,

I was off for a few weeks.

I have attached our Third Party Guidelines on working within the vicinity of Gas Mains for your guidance.

Note, you need to submit formal application / your plans to Mark-ups for comments and clearance. The assets are CER Pipes (42" and 36") and will need CER clearance.

Refer to General Requirements CER Regulated Pipes in the Third Party Guidelines.

Please send your plans to mark-ups@enbridge.com

Regards,

Emilio Labra

Sr. Advisor Construction Project Management

Planning – GTA-W

Brampton, ON

Tel. 905-458-3811

Cell. 416-427-4386

From: Ana Brankovan - GM BluePlan <Ana.Brankovan@gmblueplan.ca>

Sent: Thursday, March 23, 2023 2:05 PM

To: Emilio Labra <Emilio.Labra@enbridge.com>

Cc: Rastrullo, Paul <paul.rastrullo@peelregion.ca>; Eric Duivesteyn - GM BluePlan <Eric.Duivesteyn@gmblueplan.ca>;
Laura Verhaeghe - GM BluePlan <Laura.Verhaeghe@gmblueplan.ca>

Subject: [External] Finch Stormwater Pumping Station Upgrades Class EA – Preliminary Recommendations Review (122062)

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Dear Emilio,

The Region of Peel is in the process of initiating a Schedule 'B' Municipal Class EA for the Finch Stormwater Pumping Station (SWPS), with GM BluePlan as the Region's consultant. The Finch SWPS is located along Finch Avenue West in Brampton with the existing wet well on the northwest corner of Finch and the CN railway. The wet well is close to an Enbridge Extra High Pressure gas line as shown in the attached drawing received from Enbridge earlier in this project.

At this stage, we would like to request a virtual meeting with Enbridge to review our preliminary recommendations for Finch SWPS upgrades, the proposed area for construction and considerations for working in close proximity to high pressure gas lines. Please let us know your availability for a meeting.

Thank you,

Ana Brankovan, E.I.T.

Project Designer

GM BluePlan Engineering Limited

650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8

t: 519.824.8150 ext. 1241 | c: 226.820.6493

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Hydro One Networks Inc.

483 Bay Street
8th Floor South Tower
Toronto, Ontario M5G 2P5

HydroOne.com

May 23, 2023

Re: Finch Stormwater Pumping Station Upgrades

Attention:
Paul Rastrullo
Project Manager

Thank you for sending us notification regarding (Finch Stormwater Pumping Station Upgrades). In our preliminary assessment, we confirm there are no existing Hydro One Transmission assets in the subject area. Please be advised that this is only a preliminary assessment based on current information.

If plans for the undertaking change or the study area expands beyond that shown, please contact Hydro One to assess impacts of existing or future planned electricity infrastructure.

Any future communications are sent to Secondarylanduse@hydroone.com.

Be advised that any changes to lot grading and/or drainage within proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor.

Sent on behalf of,

**Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.**



Appendix C: Evaluation of Alternatives

Stage 1 Detailed Evaluation - Station Location

Evaluation Criteria/ Considerations	Criteria Weighting Factors	Do Nothing - Maintain Existing Control Building and Wet Well		Station Alternative 1: New Control Building at Existing Location, Maintain Existing Wet Well Location		Station Alternative 2: New Control Building at Wet Well Location and Maintain Existing Wet Well Location	
		Score	Weighted Score	Score	Weighted Score	Score	Weighted Score
Natural Environment							
Terrestrial and Vegetation Impacts		Do nothing may impact terrestrial features or vegetation if the station floods due to failing infrastructure. Alternative 1 have minimal impacts on vegetation as it is primarily on previously disturbed or build-up lands. Some disturbance is required for installation of valve chamber. Alternative 2 has the highest impacts on vegetation, as a larger vegetated area will be disturbed. It intersects a small portion of dry-moist old field measure and buckthorn diciduous thicket. Minor tree removals would also be required for Alternative 2.					
	0.50	0.50	0.25	0.75	0.38	0.50	0.25
Surface and Groundwater Impacts		No surface water impacts are expected for Alternatives 1 and 2, as none are located in close proximity to a watercourse. Some minor groundwater impacts are expected for Alternative 1 and 2, due to excavation requirements for new building and valve chamber. Do nothing has a greater potential to impact surface water, as risk of station failure is higher, which could result in flooding.					
	0.50	0.25	0.13	0.75	0.38	0.75	0.38
Species at Risk (SAR) and Wildlife Habitat		Do Nothing and Alternative 1 have little or no impact on SAR or habitat, as land is already disturbed and no potential habitat was identified in these areas. Alternative 2 is not considered significant wildlife habitat, but will have slightly higher impact, as naturalized area will be disturbed. No SAR was identified at any of the alternative sites during the field visit in 2022.					
	0.50	1.00	0.50	1.00	0.50	0.75	0.38
Designated and Environmental Policy Areas		All alternatives are outside of any regulatory designated protected areas, such as TRCA, Region of Peel Greenlands System or City of Brampton Natural Heritage System.					
	0.50	1.00	0.50	1.00	0.50	1.00	0.50
Energy Consumption and Carbon Footprint		For each alternative, pumps will remain in existing wet well location, so will have the same static head for pumping. Alternatives 1 and 2 that incorporate a new control building will be able to use newer more energy efficient equipment, including building HVAC.					
	0.50	0.25	0.13	0.75	0.38	0.75	0.38
Total: Natural Environment	2.50	3.00	1.50	4.25	2.13	3.75	1.88
Percentage score			60%		85%		75%
Social and Cultural Environment							
Construction Impacts (noise, dust, vibrations, traffic)		Traffic Impacts will be greater for alternative 1, as access to the construction site would be from Finch Avenue, likely resulting in temporary lane closures. Alternative 2 could use a separate construction entrance through a future easement on private property. Noise and dust impacts will be comparable for Alternative 1 and 2. Do Nothing will not involve construction so impacts are nil.					
	0.36	1.00	0.36	0.50	0.18	0.75	0.27
Aesthetic Appearance/Landscaping		Each station alternative is visible from Finch Avenue, which will have a future multi-use path for public use. Do nothing ranks lower, as existing building is older and less aesthetically pleasing.					
	0.36	0.25	0.09	0.75	0.27	0.75	0.27
Compatibility with adjacent land uses		All alternative sites are within Employment Areas per the City of Brampton Official plan. Natural Heritage Systems are located on the opposite side of Finch avenue. To the south of the proposed site alternatives is Residential land, per the City of Mississauga's official plan. The proposed work is critical infrastructure and is compatible with the existing and adjacent land uses.					
	0.36	1.00	0.36	1.00	0.36	1.00	0.36
Archaeological, Cultural Heritage and Indigenous Peoples		No Cultural Heritage Landscapes or Built Heritage Resources were identified for any of the station alternative locations. A Stage 1 Archaeological Assessment identified an undisturbed area close to the existing control building, but the new station would be on disturbed land so archaeological potential is not there. The area of the wet well has been previously disturbed and do not have potential. As such, the potential for impacts to indigenous peoples is low, but will be confirmed through additional engagement.					
	0.36	0.75	0.27	0.75	0.27	0.75	0.27
Protect Public safety, health and assets through improvements to flood protection		Alternatives 1 and 2 improvement protection from future flooding, protecting public safety, health and assets. Doing nothing has a higher risk to public welfare through increased risk of flooding.					
	0.36	0.00	0.00	0.75	0.27	0.75	0.27
Noise impacts during Facility Operation		Noise impacts are highest for Do Nothing, as existing aging building with aging equipment has a greater potential for noise during operations. New buildings constructed under Alternatives 1 and 2 can be designed for noise attenuation. Stand-by generator will be greatest source of noise during testing or under power failure condition.					
	0.36	0.50	0.18	0.75	0.27	0.75	0.27
Property requirements (ie. Region-owned, or available for purchase by City)		All alternatives will be on Region property, so property requirements (ie. temporary easement, Permission-to-Enter Agreements) would only apply during construction. (Note: Permanent Access Road property requirements are not considered at this level of evaluation)					
	0.36	0.75	0.27	0.75	0.27	0.75	0.27
Total: Social and Cultural Environment	2.50	4.25	1.52	5.25	1.88	5.50	1.96
Percentage score			61%		75%		79%
Technical Feasibility							
Ease of Operation and Maintenance		Do nothing scores the lowest, as it does not address current accessibility concerns. Both Do Nothing and Alternative 1 site the control building a distance from the wet well, which makes operations and maintenance more challenging. Alternative 1 has the opportunity to improve building layout and other design features to meet current standards, so still scores higher than Do Nothing. Alternative 2 scores the highest, as the control building is adjacent to the wet well, creating a centralized facility that is easier to access.					
	0.50	0.25	0.13	0.50	0.25	1.00	0.50
Compatibility with Existing and Future Infrastructure		Do Nothing does not address future infrastructure needs and scores lowest. Alternative 2 requires more work around existing Enbridge high pressure gas mains, but also has more area for future expansion.					
	0.50	0.25	0.13	0.75	0.38	0.50	0.25
Ease of Implementation (constructability, approvals, geotechnical, groundwater conditions)		Do Nothing is easiest to implement, as no work is required. Alternative 1 requires work close to an existing active pump station and may require bypass work. Alternative 2 is near a slope and geotechnical considerations may be more complex. Permitting requirements are expected to be similar for both Alternatives 1 and 2					
	0.50	1.00	0.50	0.50	0.25	0.75	0.38
Ability to meet Current regulatory requirements and Region Standards		Alternatives 1 and 2 will be designed to meet current Region standards and other applicable regulations to improve station resilience.					
	0.50	0.00	0.00	1.00	0.50	1.00	0.50
Climate Change Adaptability (resilience to flooding, potential to increase capacity for higher flows)		Both Alternative 1 and 2 result in similar improvements to climate change and flooding resiliency, as they improve stormwater pumping reliability, and the wet well will be located in the same location for each. Both designs will ensure that the electrical equipment is above the floodplain elevation.					
	0.50	0.00	0.00	0.75	0.38	0.75	0.38
Total: Technical Feasibility	2.50	1.50	0.75	3.50	1.75	4.00	2.00
Percentage score			30%		70%		80%
Economic Impacts							
Lifecycle Cost (Including design, construction, land acquisition, provision of utilities/services, operating cost, maintenance cost, replacement cost. Net Present Value of total costs over 75 year life of facility)		Life cycle cost is highest for Do Nothing, as the cost of maintenance will continue to increase as the equipment ages					
	0.50	0.50	0.25	0.75	0.38	0.75	0.38
Operating and Maintenance Costs		Do nothing will have higher operational cost due to increase maintenance costs associated with higher risk of failure of older equipment					
	1.00	0.25	0.25	0.75	0.75	0.75	0.75
Capital and Property Acquisition Costs associated with new Control Building and station upgrades (access road excluded)		Alternatives 1 and 2 will have comparable capital cost (approximately \$2.1 M). Do Nothing does not have a capital cost. None of the alternatives require property, so this cost is nil for all alternatives.					
	1.00	1.00	1.00	0.50	0.50	0.50	0.50
Total: Economic Environment	2.50	1.75	1.50	2.00	1.63	2.00	1.63
Percentage score			60%		65%		65%
OVERALL SCORE	10.00	5.27		7.38		7.46	

Stage 1 - Detailed Evaluation of Station Location - Ranking

Screening List of Alternative Solutions	Overall Score	Overall Ranking
1. Do Nothing - Maintain Existing Control Building and Wet Well	5.27	3
2. Station Alternative 1: New Control Building at Existing Location, Maintain Existing Wet Well Location	7.38	2
3. Station Alternative 2: New Control Building at Wet Well Location and Maintain Existing Wet Well Location	7.46	1

Scoring Legend

0.00 Poor
 0.25 Fair
 0.50 Moderate
 0.75 Good
 1.00 Excellent

0 - 20 %
 21 - 41%
 42 - 62%
 63 - 83%
 <= 84%

Scoring Legend for Boards:

0-49% Negative
 50 - 74% Neutral
 >= 75% Good

Stage 2 Detailed Evaluation - Access Route

Evaluation Criteria/ Considerations	Criteria Weighting Factors	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	
		Score	Weighted Score	Score	Weighted Score	Score	Weighted Score
Natural Environment							
Terrestrial and Vegetation Impacts		Alternative 1 impacts approximately 0.23Ha of vegetation communities, and would require notable tree removals. Alternative 2 impacts approximately 0.05ha of vegetation communities, with minimal tree impacts. Alternative 3 impacts approximately 0.20 Ha of vegetation communities, but also a portion of the 10m buffer area of an unevaluated wetland.					
	0.50	0.50	0.25	0.75	0.38	0.50	0.25
Surface and Groundwater Impacts		Only Alternative 3 has potential for surface water impacts due to the presence of an unevaluated wetland. Groundwater impacts will be minimal for all options, as no deep excavations with associated dewatering are required.					
	0.50	0.75	0.38	0.75	0.38	0.25	0.13
Species at Risk (SAR) and Wildlife Habitat		Alternatives 1 and 2 do not have any identified Significant Wildlife Habitat, and have low potential for SAR. Alternative 3 has potentially suitable habitat for bat maternity colonies, which would be impacted by required tree removals along this route; this alternative has low potential for some SAR bird species as well.					
	0.50	0.75	0.38	0.75	0.38	0.50	0.25
Designated and Environmental Policy Areas		Alternatives 1 and 2 are expected to have no impact on designated features. Alternative 3 will marginally intersect a small unevaluated wetland, and would likely qualify as part of the Greenlands System as defined in the Region of Peel Official Plan. Alternative 3 also passes through a small section of TRCA regulated lands likely due to being within floodplain tributaries of Mimico Creek and a permit would be required.					
	0.50	1.00	0.50	1.00	0.50	0.50	0.25
Energy Consumption and Carbon Footprint		Access route will not impact station energy consumption.					
	0.50	0.75	0.38	0.75	0.38	0.75	0.38
Total: Natural Environment	2.50	3.75	1.88	4.00	2.00	2.50	1.25
Percentage score			75%		80%		50%
Social and Cultural Environment							
Construction Impacts (noise, dust, vibrations, traffic)		Alternative 1 would have the greatest traffic and noise / dust impacts for the public, being located directly adjacent to Finch Avenue. Alternatives 2 and 3 would have lower impacts, as they are further removed from public areas. Some construction impacts are expected for adjacent commercial property owners for Alternatives 2 and 3.					
	0.50	0.50	0.25	0.75	0.38	0.75	0.38
Aesthetic Appearance/Landscaping		Alternative 1 has greater visual impacts to pedestrians walking on Finch, due to increased vehicle traffic					
	0.30	0.50	0.15	0.75	0.23	0.75	0.23
Compatibility with adjacent land uses		All alternatives are within Employment Areas per the City of Brampton Official plan. Natural Heritage Systems are located on the opposite side of Finch avenue. To the south of the proposed site alternatives is Residential land, per the City of Mississauga's official plan. The proposed work is critical infrastructure and is compatible with the existing and adjacent land uses.					
	0.30	1.00	0.30	1.00	0.30	1.00	0.30
Archaeological, Cultural Heritage and Indigenous Peoples		No Cultural Heritage Landscapes or Built Heritage Resources were identified for any of the station alternative locations. A Stage 1 Archaeological Assessment identified an undisturbed area of land along the CN track and along Finch Road behind the utility corridor/ROW, with some potential for archaeological resources. A stage 2 archaeological assessment is required for each of the three access routes, with Alternative 3 having the largest area of potential impact.					
	0.50	0.75	0.38	0.75	0.38	0.50	0.25
Ability to protect Public safety, health and assets from flooding		All alternatives provide access to a new station that will improve flood protection.					
	0.10	0.75	0.08	0.75	0.08	0.75	0.08
Noise impacts during Facility Operation		Noise impacts during facility operation will be comparable for all options.					
	0.10	0.75	0.08	0.75	0.08	0.75	0.08
Property requirements (i.e.. Region-owned, or available for purchase by City)		Alternative 1 does not require property. Alternative 2 requires an easement through the CBS parking lot, and Alternative 3 requires an easement through both Granite and CBS (green space beside property)					
	0.70	1.00	0.70	0.50	0.35	0.25	0.18
Total: Social and Cultural Environment	2.50	5.25	1.93	5.25	1.78	4.75	1.48
Percentage score			77%		71%		59%
Technical Feasibility							
Ease of Operation and Maintenance		Alternative 1 would require operators to access the site from Finch Ave, a busy traffic corridor. Alternative 2 requires operators to enter site through Canadian Blood Services parking lot, which is one-way, and less convenient for operator. Alternative 3 has the easiest site accessibility for O&M.					
	0.90	0.50	0.45	0.50	0.45	0.75	0.68
Compatibility with Existing and Future Infrastructure		Alternative 1 has the lowest compatibility with future infrastructure, as it runs adjacent to the ROW on Finch, where future utilities may be installed. It is also adjacent to a future multi-use path. Alternative 2 and 3 are generally compatible existing and proposed infrastructure, although all must pass over the high pressure Enbridge gas main.					
	0.70	0.75	0.53	0.75	0.53	0.75	0.53
Ease of Implementation (constructability, approvals, geotechnical, groundwater conditions, schedule)		Alternative 1 and 2 has the most challenging constructability due to existing grades, and required changes in elevation. Alternative 3 may be more challenging to get approval from TRCA to pass near unevaluated wetland.					
	0.70	0.50	0.35	0.50	0.35	0.50	0.35
Ability to meet Current regulatory requirements and Region Standards		Access road will not impact ability to meet Region standards. All alternatives rank the same					
	0.10	0.75	0.08	0.75	0.08	0.75	0.08
Climate Change Adaptability (resilience to flooding, potential to increase capacity for higher flows)		All alternatives are adaptable to climate change.					
	0.10	0.75	0.08	0.75	0.08	0.75	0.08
Total: Technical Feasibility	2.50	3.25	1.48	3.25	1.48	3.50	1.70
Percentage score			59%		59%		68%
Economic Impacts							
Lifecycle Cost (Including design, construction, land acquisition, provision of utilities/services, operating cost, maintenance cost, replacement cost. Net Present Value of total costs over 75 year life of facility)		Life cycle cost will be lowest for Alternative 1 due to lowest capital cost, considering O&M costs are comparable for all options					
	0.50	0.75	0.38	0.50	0.25	0.50	0.25
Operating and Maintenance Costs		O&M costs will be comparable for all alternatives					
	0.50	0.75	0.38	0.75	0.38	0.75	0.38
Capital Cost of access road (control building cost excluded)		\$790 K		\$75 K		\$340 K	
	0.75	0.25	0.19	0.75	0.56	0.50	0.38
Property acquisition costs		\$0		\$2.0 M		\$1.1 M	
	0.75	1.00	0.75	0.00	0.00	0.50	0.38
Total: Economic Environment	2.50	2.75	1.69	2.00	1.19	2.25	1.38
Percentage score			68%		48%		55%
OVERALL SCORE	10.00	6.96		6.44		5.80	

Stage 2 - Detailed Evaluation of Access Routes - Ranking

Screening List of Alternative Solutions	Overall Score	Overall Ranking
1. Access Alternative 1: From Finch Avenue	6.96	1
2. Access Alternative 2: Through Canadian Blood Services Parking Lot	6.44	2
3. Access Alternative 3: Through Granite Driveway, and Canadian Blood Services Property	5.80	3

Scoring Legend

0.00 Poor	0 - 20 %	Poor
0.25 Fair	21 - 41%	Fair
0.50 Moderate	42 - 62%	Moderate
0.75 Good	63 - 83%	Good
1.00 Excellent	<= 84%	Excellent

Scoring Legend for Boards:

0-50%	Negative
51 - 74%	Neutral
>= 75%	Good



Appendix D: Natural Environment Report

REGION OF PEEL

FINCH STORM WATER PUMPING STATION MUNICIPAL CLASS B ENVIRONMENTAL ASSESSMENT NATURAL ENVIRONMENT REPORT

JANUARY 13, 2023





FINCH STORM WATER PUMPING STATION MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT

NATURAL ENVIRONMENT REPORT

REGION OF PEEL

PROJECT NO.: 221-11343-00
DATE: JANUARY 13, 2022

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1 INTRODUCTION

1.1 OVERVIEW

The Region of Peel has retained GM BluePlan Engineering Limited (GM BluePlan) to undertake a Schedule ‘B’ Class Environmental Assessment (Class EA), Detailed Design and Construction Administration for upgrades to the Finch Stormwater Pumping Station (SWPS) in Brampton, Ontario. WSP Canada Inc. (WSP) is supporting GM BluePlan in the Natural Heritage Assessment component of this undertaking.

The Finch SWPS requires upgrades to improve operator access, replace aging infrastructure and bring the station into compliance with current standards and regulations. As part of the preliminary investigations, WSP contributed to the evaluation of Pumping Station Upgrade Area alternatives (long-list of alternatives), as shown on **Figure 1 (Appendix A)**:

- Area Alternative A, south west block
- Area Alternative B, north west block
- Area Alternative C, north east block
- Area Alternative D, South east block

Alternative A was selected as the preferred Pumping Station Upgrade Area. Pumping Station Location alternatives for Area A that were considered (short list of alternatives) included the following:

- Station Alternative 1
- Station Alternative 2
- Station Alternative 3

Station Alternative 3 was selected as the preferred alternative. This Natural Environment Report (NER) describes the existing natural environment conditions for the overall Study Area, including Alternative Areas A, B, C, and D, and an impact assessment for Access Alternatives for Station Alternative 3 in Area A. Natural environment features and constraints are based on desktop resources and field investigations. Natural environment features addressed include provincially and municipally designated features, vegetation communities and flora, Significant Wildlife Habitat (SWH), and Species at Risk (SAR). The preliminary impact assessment and recommendations for design and mitigation for the project are provided in the last sections of this report.

1.2 BACKGROUND INFORMATION REVIEW APPROACH

Background information sources were reviewed to develop an understanding of the general character of the natural features in the overall study area, identify potential constraints and sensitivities, and assess the general connectivity of natural features in the study area to features within the surrounding landscape.

Background natural environment information collection included the following sources:

Publicly available natural heritage mapping and databases:

- Topographic mapping (Natural Resources Canada – Toporama, accessed 2022)
- Google satellite imagery (2004-2022)
- MNR’s Natural Heritage Information Centre (NHIC) database
- Fisheries and Oceans Canada (DFO) Aquatic SAR mapping
- Land Information Ontario Geohub mapping database
- Government of Ontario Greenbelt Mapping

- iNaturalist (accessed 2022)
 - Ontario Reptile & Amphibian Atlas (Ontario Nature, accessed 2022)
 - Ontario Breeding Bird Atlas 3 (Birds Canada, accessed 2022)
-

1.3 FIELD INVESTIGATIONS APPROACH

Field investigations were completed on October 7th, 2022 and included delineation and classification of land cover (plant communities) on the site and in the study area, where accessible, according to the Ecological Land Classification (ELC) System for Southern Ontario (Lee et al. 1998), a botanical inventory, including a search for Butternut, identified to have high probability of occurrence based on the SAR screening, as well as a general wildlife survey and habitat assessment. All species of wildlife were identified and recorded on first observation. Any observed SAR or locally, regionally, or provincially rare species observed were recorded and location noted in the context of ELC delineations. Targeted wildlife surveys to confirm SWH were not undertaken, but all potential SWH categories were assessed for candidate status during field investigations and subsequent data analysis.

1.4 ENVIRONMENTAL POLICY AREAS

There are several environmentally designated areas within the overall study area, and several associated environmental policy designations. The natural heritage features include wetland, woodland, and riparian corridors associated with watercourses. Designated and regulated natural heritage features are mapped on **Figures 1 and 2, Appendix A**. A summary of applicable natural heritage designations and associated policy is provided below.

PROVINCIAL POLICY STATEMENT

The Provincial Policy Statement (PPS) (Ontario Ministry of Municipal Affairs and Housing (OMMAH), 2020) is a planning document that provides a framework for guiding development in the Province of Ontario. To preserve various ecological resources deemed significant in Ontario, development lands must be assessed for the presence of Natural Heritage Features (NHF) prior to construction or site alteration. Generally, NHFs within the 120 m area of influence of development must be assessed. These NHFs (listed below) are both defined and afforded protections under the PPS (OMMAH, 2020). Linkages between NHFs, surface water and groundwater features are also recognized and afforded similar protections under the policy. Section 2.1.2 of the PPS (OMMAH, 2020) also requires that the diversity and connectivity of all NHFs and the long-term ecological function of natural heritage systems be maintained, restored or improved where possible.

Under the PPS (OMMAH, 2020), development or site alteration is prohibited within significant wetlands in Ecoregion 6E and in significant coastal wetlands but may be allowed adjacent to these features provided the adjacent lands have been evaluated and it has been demonstrated that there will be no negative impacts to these features or their ecological functions. Development may be permitted in or adjacent to significant woodlands and significant valleylands in Ecoregion 6E, significant wildlife habitat, and significant areas of natural and scientific interest (ANSI), provided there will be no negative impacts to these features or their ecological function due to the proposed undertaking. In addition, development and site alteration is not permitted in fish habitat unless in accordance with provincial and federal legislation.

NHFs as defined by the PPS (OMMAH, 2020) include:

- Natural Heritage Systems
- Fish Habitat
- Habitats of Endangered and Threatened Species
- Significant Areas of Natural and Scientific Interest
- Significant Wetlands
- Significant Coastal Wetlands

- Other Coastal Wetlands in Ecoregions 5E, 6E and 7E
- Significant Wildlife Habitat
- Significant Woodlands in Ecoregions 6E and 7E (excluding islands in Lake Huron and the St. Mary’s River)
- Significant Valleylands in Ecoregions 6E and 7E (excluding islands in Lake Huron and the St. Mary’s River)

Applicability:

Unevaluated wetlands (SWD4-1 and SWD2-2; **Figures 1 and 2**) and woodlands (CUW1; **Figures 1 and 2**) are present within the study area. Habitat of Endangered and Threatened species are potentially present within the study area. Significant Wildlife Habitat is potentially present within the study area.

NATURAL HERITAGE SYSTEMS

The Region of Peel Official Plan (OP) (drafted April 2022) and City of Brampton OP (drafted September 2020) describe permitted uses of lands within their respective legislation areas. Section 2.3 of the Region of Peel OP details the criteria for the Greenlands System in Peel, and consists of Core Areas, Natural Areas and Corridors, and Potential Natural Areas and Corridors. Section 4.6.6 of the City of Brampton OP details the criteria for the Natural Heritage System in Brampton.

Applicability:

The study area is outside of the mapped Regional Greenlands System, however the northeastern most corner is immediately adjacent to Regional Greenlands Core Area. The unevaluated wetland and woodlands (SWD4-1, SWD2-2, and CUW1; **Figures 1 and 2**) within the study area may qualify as part of the Greenlands System and Natural Heritage System as Potential Natural Areas and Corridors and therefore may receive protection from the Region of Peel OP, and the City of Brampton OP.

CONSERVATION AUTHORITIES ACT (1990)

Areas regulated by Toronto and Region Conservation Authority (TRCA) under Ontario Regulation 42/06 – “Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses” generally apply to watercourses and wetlands. To ensure that development has regard for natural hazard features and the natural environment, while conforming to watershed development policies, TRCA is authorized under Section 28 of the Conservation Authorities Act to implement and enforce their own regulation. Under the regulation, no person shall undertake development or permit another person to undertake development in, or on, the areas within the jurisdiction of a Conservation Authority.

Applicability:

A portion of the study area is within the TRCA Regulated Area, shown on **Figures 1 and 2 (Appendix A)**. A permit to undertake development within the regulated area may be granted by the governing Conservation Authority.

GREENBELT PLAN (2017)

The Greenbelt Area, as defined by Ontario Regulation 59/05, is governed by the Greenbelt Plan. It includes lands within the Niagara Escarpment Plan (NEP) Area, the Oak Ridges Moraine Conservation Plan (ORMCP) Area, the Parkway Belt West Plan Area and lands designated as Protected Countryside and as Urban River Valley by this Plan. The Greenbelt Plan, together with the ORMCP and the NEP, identifies where urbanization should not occur in order to provide permanent protection to the agricultural land base and the ecological and hydrological features, areas and functions occurring on this landscape.

Applicability:

A portion of the northeastern study area falls within the Greenbelt Land Use Designation of “Urban River Valley”. This designation is subject to specific policies within the Greenbelt Plan and the Greater Golden Horseshoe Growth Plan (2020) that would need to be addressed through the Environmental Assessment process.

2 STUDY AREA

2.1 OVERVIEW

The Study Area includes Pumping Station Upgrade Area alternatives A-D, Station Location alternatives 1-3, and Access Alternatives 1-3 for Alternative Area A, Station Alternative 3. Alternatives Areas A, B, C and D are shown on **Figure 1 (Appendix A)**, while Station Alternative 3 and Access alternatives for Area A are shown on **Figure 2 (Appendix A)**.

2.2 ALTERNATIVE AREA A

Area A is located immediately northwest of the CN rail line, and immediately southwest of Finch Street. It extends from the Finch Street-CN Rail crossing approximately 380 m southwest along the rail line, and from the Finch Street-CN Rail crossing approximately 400 m Northwest along the Finch Street right-of-way toward Kenview Boulevard. Area A is approximately 1.9 ha in size.

2.2.1 STATION LOCATION ALTERNATIVES 1 AND 2

Station Location Alternative 1 is to do nothing, maintaining the existing control building and pumping station. This alternative was eliminated during the evaluation of the short-list of alternatives.

Station Location Alternative 2 is to create a new control building at the existing control building station. This alternative was also eliminated during the evaluation of the short-listed alternatives.

2.2.2 STATION ALTERNATIVE 3

Station Location Alternative 3 is the construction of a new control building at the wet well location, at the southeast corner of Area A. The existing control building would be demolished in the process.

2.2.2.1 ACCESS ALTERNATIVE 1

The proposed location of Access Alternative 1 begins along Finch Street, just southeast of the existing control building, ending at the proposed pumping station location.

2.2.2.2 ACCESS ALTERNATIVE 2

The proposed location of Access Alternative 2 travels through the perimeter of the Canadian blood services parking lot and terminates at the proposed pumping station location.

2.2.2.3 ACCESS ALTERNATIVE 3

The proposed location of Access Alternative 3 begins at the intersection of Parkshore Drive and the Granite driveway, and travels along the Granite driveway, then Northeast along the CN rail line toward the proposed pumping station location.

2.3 ALTERNATIVE AREA B

Located north of Finch Street and west of the CN rail line, Area B extends approximately 390 m northwest to Kenview Boulevard. The Area B is approximately 2 ha in size, and a portion of is owned by Toronto Region

Conservation Authority. This alternative was screened out at the long list of alternative stage due to the presence of a small wetland in the center of the Area.

2.4 ALTERNATIVE AREA C

Located southeast of the CN rail line, Area C extends approximately 190 m southeast along Finch Street right-of-way and 157 m northeast along the CN rail line; the southeast and northeast areas abut campsites associated with the Indian Line Campground. This alternative was screened out at the long list of alternative stage due to proximity to residential areas and access constraints.

2.5 ALTERNATIVE AREA D

Located on the south side of Finch Street, southeast of the CN rail line crossing, Alternative D extends approximately 220m southeast along the Finch Street right-of-way. This alternative was screened out at the long list of alternative stage due to proximity to residential housing and access constraints.

3 EXISTING CONDITIONS

The following sections provide an overview of the designated features, terrestrial vegetation communities and wildlife habitat present within each of the Access Alternatives within Area Alternative A. Natural Heritage features associated with Areas A, B, C and D are shown on **Figure 1 (Appendix A)**. Access Alternatives for Area A are overlaid onto Natural Heritage Features on **Figure 2 (Appendix A)**.

3.1 DESIGNATED FEATURES

3.1.1 ACCESS ALTERNATIVE 1 FINCH AVENUE

There are no designated features mapped in Access Alternative 1. The Treed Hedgerow/Mineral Cultural Thicket (CUH1-A/CUT1; **Figures 1 and 2, Appendix A**) is small and linear, covering approximately 0.26 ha. The vegetation community is dominated by planted trees and invasive shrubs and does not meet the definition of significant woodland in applicable provincial or municipal legislation.

3.1.2 ACCESS ALTERNATIVE 2 CANADIAN BLOOD SERVICES PARKING LOT

There are no designated features mapped in Access Alternative 2. The Dry-Moist Old Field Meadow (CUM1-1) that the alternative route bisects does not qualify as a natural heritage feature in applicable provincial or municipal legislation.

3.1.3 ACCESS ALTERNATIVE 3 GRANITE DRIVEWAY

Designations associated with Access Alternative 3 occur in the south of the area as well as southeast of the Granite driveway.

- There is a small, treed wetland (SWD4-1; **Figures 1 and 2**) south of the Canadian Blood Services building. This unevaluated wetland may qualify as a Natural Area and Corridors (Region of Peel OP), and a Natural

Heritage Feature (City of Brampton OP). In addition, as a wetland it would be subject to TRCA Ontario Regulation 42/06 and a permit is likely to be required.

- Southeast of the Granite driveway, a portion of the Access Alternative 3 passes through TRCA regulated land, however the area does not appear to be associated with a watercourse or wetland. Consultation with TRCA would be required to confirm floodplain/ wetland presence and whether a permit is required for impacts to this area.

3.1.4 STATION ALTERNATIVE 3

- There are no designated features mapped in Station Alternative 3. The Cultural Thicket (CUT1b) that the alternative route intersects with is small and lacks the tree cover necessary to qualify as a significant woodland in applicable provincial or municipal legislation.

3.2 VEGETATION AND FLORA

Ecological Land Classification (ELC) for vegetation communities in the Study Area is shown on **Figure 1, Appendix A**. A comprehensive list of plant species observed during the botanical inventory is provided in **Appendix B**.

This report provides detailed description of the vegetation communities and flora observed during WSP's 2022 field investigation of Area A, Station Location 3, Access Alternatives 1-3. Detailed vegetation community mapping is shown on **Figure 2, Appendix A**.

Privately owned lands beyond the ROW were surveyed from the ROW or from adjacent lands using binoculars, as permission to enter was not obtained. For these communities, primary canopy and edge species were used in the classification of communities. As such, botanical inventory for these communities is not exhaustive and vegetation classification should be considered a general characterization.

3.2.1 ALTERNATIVE AREA A

A total of four vegetation community types were observed in Area A. The area is subject to disturbance from Finch Avenue, the CN rail line, and the adjacent businesses; all vegetation communities reflect this disturbance in their botanical composition. The western-most edge of Area A along Finch Avenue consists of mowed grass and planted trees including Colorado Blue Spruce (*Picea pungens*), Norway Maple (*Acer platanoides*), and Freeman Maple (*Acer x freemanii*).

Treed Hedgerow/Mineral Cultural Thicket (CUH1-A/CUT1): This vegetation community was linear and located along Finch Avenue. It consisted of a row of planted trees in the canopy with regenerating shrubs and young Ash beneath it. The canopy consisted of planted Colorado Blue Spruce. The subcanopy included Green Ash (*Fraxinus pennsylvanica*), European Buckthorn (*Rhamnus cathartica*), Colorado Blue Spruce, and Thicket Creeper (*Pathenocissus vitacea*). The understory included Green Ash, Riverbank Grape (*Vitis riparia*), Eastern Tall Goldenrod (*Solidago altissima* ssp. *altissima*), and Smooth Brome (*Bromus inermis*). The ground layer consisted of New England Aster (*Symphotrichum nova-angliae*), Heath Aster (*S Symphyotrichum ericoides*), Kentucky Blue Grass (*Poa pratensis* ssp. *pratensis*), Green Ash, and Riverbank Grape.

Dry-Moist Old Field Meadow (CUM1-1): This vegetation community was found throughout the majority of Area A in open areas without tree cover, beginning along Finch Avenue, and continuing along the CN rail line. Scattered small wet pockets were dominated by Reed Canary Grass (*Phalaris arundinacea*), and Common Reed (*Phragmites australis* ssp. *australis*). The canopy was sparse and included a few planted Norway Maple. The subcanopy was also sparse and included several scattered Green Ash. The understory was dominated by Eastern Tall Goldenrod, Reed Canary Grass, Wild Carrot (*Daucus carota*), and White Sweetclover (*Melilotus albus*). The ground layer was dominated by Kentucky Blue Grass, Bird's-foot Trefoil (*Lotus corniculatus*), New England Aster, and Heath Aster. One regionally rare plant, Frost Aster (*Symphotrichum pilosum* ssp. *pilosum*) was observed in this vegetation

community, southeast of the adjacent Willow Mineral Deciduous Swamp (SWD4-1; **Figure 2, Appendix A**). This species is designated by TRCA as “L3 - Species of Regional Conservation Concern” which means that it is generally less sensitive and more abundant than L1 and L2 ranked species.

Buckthorn Deciduous Thicket (CUT1b): This vegetation community occurred immediately adjacent to the CN rail line. Some wetland plants were present within a linear depression following the rail line including Common Reed, Purple Loosestrife (*Lythrum salicaria*), Reed Canary Grass, Cottony Willow (*Salix eriocephala*), and Peach-leaved Willow (*Salix amygdaloides*). The linear depression is likely a drainage feature associated with the rail line rather than a naturally occurring wetland area. The canopy layer was absent and the subcanopy was dominated by European Buckthorn and Green Ash, with Choke Cherry (*Prunus virginiana*) and Bell’s Honeysuckle (*Lonicera x bella*) associates. The understory consisted of Eastern Tall Goldenrod, European Buckthorn, Green Ash, and Reed Canary Grass. The ground layer included Kentucky Bluegrass, Redtop (*Agrostis gigantea*), New England Aster, Heath Aster, and Flat-topped Goldenrod (*Euthamia graminifolia*). One regionally rare plant, Smooth Aster (*Symphotrichum laeve* ssp. *laeve*) was observed within this vegetation community (**Figure 2, Appendix A**). This species is designated by TRCA as “L3 - Species of Regional Conservation Concern” which means it is generally less sensitive and more abundant than L1 and L2 ranked species.

Willow Mineral Deciduous Swamp (SWD4-1): This vegetation community occurred east of the Canadian Blood Services building, and west of the CN rail line, and was associated with a small drainage feature from land to the west, flowing toward the ditch running perpendicular to the CN rail line. The canopy consisted of Peach-leaved Willow and the subcanopy was Green Ash and Peach-leaved Willow. The understory included Common Reed, Reed Canary Grass, Green Ash, and Eastern Tall Goldenrod. The ground layer consisted of Purple Loosestrife, Riverbank Grape, Green Ash, and Thicket Creeper.

Table 3-1 Vegetation Communities Present by Access Alternative

ALTERNATIVE	VEGETATION COMMUNITIES	DESCRIPTION OF ACCESS ROUTE
Station Alternative 3	CUM1-1, CUT1b	Station Alternative 3 intersects a small portion of the Dry-Moist Old Field Meadow (CUM1-1) and Buckthorn Deciduous Thicket (CUT1b) just south of Finch Avenue, between the CN rail line and the Canadian Blood Services parking lot.
Access Alternative 1 Finch Avenue	CUM1-1, CUT1b, CUH1-A/CUT1	This access alternative intersects a portion of Treed Hedgerow/Mineral Cultural Thicket (CUH1-A/CUT1) and Dry-Moist Old Field Meadow (CUM1-1) along Finch Avenue. It marginally intersects the northeast edge of the Buckthorn Deciduous Thicket (CUT1b) near the CN rail line.
Access Alternative 2 Canadian Blood Services parking lot	CUM1-1, CUH1-A/CUT1	This access alternative intersects a small portion of Dry-Moist Old Field Meadow (CUM1-1) between the Canadian Blood Services Building and the CN rail line.
Access Alternative 3 Granite driveway	CUM1-1, CUT1b, SWD4-1	Access Alternative 3 intersects the majority of the Buckthorn Deciduous Thicket (CUT1b) that abuts the Canadian Blood Services Building, a portion of Dry-Moist Old Field Meadow (CUM1-1), and marginally intersects the northern edge of the Willow Mineral Deciduous Swamp (SWD4-1) southeast of the Granite driveway toward the CN rail line, continuing perpendicular to the CN rail line toward Finch Avenue.

3.3 WILDLIFE

General wildlife habitat assessments were conducted during the 2022 field program for the entire study area. Details for each of the Access Alternatives in Area A concerning wildlife and wildlife habitat observations, and a review of potential Significant Wildlife Habitat (SWH) are provided below.

3.3.1 AREA ALTERNATIVE A

Wildlife species observed during 2022 field investigations included American Robin, American Crow, and Eastern Grey Squirrel. As the field survey was conducted on a single day, the list of species observed is not likely to be representative of wildlife utilizing the area; avifauna species expected to utilize foraging and nesting habitat in Area A would be primarily common, disturbance-tolerant species typically associated with hedgerows, shrub thickets and cultural meadows (e.g., American Goldfinch, American Robin, Black-capped Chickadee, Cedar Waxwing, European Starling, Song Sparrow) or road-side marsh / wetland patches (e.g., Common Yellowthroat, Red-winged Blackbird).

Herpetofauna species expected to be utilizing the habitats in Area A would be limited to common disturbance tolerant species such as Eastern Gartersnake, and spring peepers. Likewise, Mammal species expected to utilize foraging and corridor habitat in Area include disturbance-tolerant species such as Raccoon, Eastern Grey Squirrel, and White-tailed Deer and bats, which may use mature trees with a diameter at breast height > 10 cm for maternity roosts (SWD4-1) and day roosts.

3.4 SIGNIFICANT WILDLIFE HABITAT

Candidate SWH was identified for one Access Alternative during the 2022 WSP fieldwork. Details are provided in **Table 3-2**.

Table 3-2 Candidate Significant Wildlife Habitat

ALTERNATIVE	SWH CATEGORY	CANDIDATE/ CONFIRMED	DESCRIPTION OF HABITAT
Access Alternative 1 Finch Avenue	Special Concern and Rare Wildlife Species	N/A	Some scattered host plants of Monarch were observed along the edge of Dry-Moist Old Field Meadow (CUM1-1) and Buckthorn Deciduous Thicket (CUT1b) vegetation communities; however, no adult or larval Monarchs were observed within the Alternative during 2022 field surveys. Conclusion: Alternative is not considered SWH given very small abundance of host plant and absence of species during surveys.
Access Alternative 2 Canadian Blood Services parking lot	Special Concern and Rare Wildlife Species	N/A	Some scattered host plants of Monarch were observed along the edge of the Dry-Moist Old Field Meadow (CUM1-1) and Buckthorn Deciduous Thicket (CUT1b) vegetation communities; however, no adult or larval Monarchs were observed within the Alternative during 2022 field surveys. Conclusion: Alternative is not considered SWH given very small abundance of host plant and absence of species during surveys.
Access Alternative 3 Granite driveway	Special Concern and Rare Wildlife Species	N/A	Some scattered host plants of Monarch were observed along the edge of Dry-Moist Old Field Meadow (CUM1-1) and Buckthorn Deciduous Thicket (CUT1b)

ALTERNATIVE	SWH CATEGORY	CANDIDATE/ CONFIRMED	DESCRIPTION OF HABITAT
			vegetation communities; however, no adult or larval Monarchs were observed within the Alternative during 2022 field surveys. Conclusion: Alternative is not considered SWH given very small abundance of host plant and absence of species during surveys.
	Bat Maternity Colonies	Candidate	The Willow Mineral Deciduous Swamp (SWD4-1) is potentially suitable bat maternity roosting habitat, based on the tree maturity and species composition (several large Peach-leaved Willows and dying Green Ash).
Station Alternative 3	Special Concern and Rare Wildlife Species	N/A	Some scattered host plants of Monarch were observed along the edge of Dry-Moist Old Field Meadow (CUM1-1) and Buckthorn Deciduous Thicket (CUT1b) vegetation communities; however, no adult or larval Monarchs were observed within the Alternative during 2022 field surveys. Conclusion: Alternative is not considered SWH given very small abundance of host plant and absence of species during surveys.

3.5 SPECIES AT RISK

For the purposes of this report, the term Species at Risk (SAR) refers to those species listed as Endangered, Threatened and Special Concern, under the Species at Risk Act (SARA, 2002) and / or listed on the Species at Risk in Ontario (SARO) List (Ontario Regulation 230/08) and protected under Ontario’s Endangered Species Act, 2007 (ESA, 2007).

A review of background information sources in combination with a field assessment for potentially suitable Species at Risk Habitat was completed by WSP in 2022. There were 14 records of SAR occurrences within 1 km of the Study Area, however no SAR were observed during 2022 field investigations. A list of species records within 1 km of the Study Area is provided in Table 3-3, along with status under the ESA and the record source. To occur within the study area. Likelihood of occurrence in each Access Alternative (Potential or Confirmed) is indicated. If there is no potential for the species to be present (i.e., no potential habitat), the status is left blank. Species listed as Potential had suitable habitat recorded in the study area through background review or WSP field assessments. Species listed as Confirmed were recorded in the study area during WSP field assessments.

Table 3-3 Species at Risk Records in Area A

COMMON NAME	SCIENTIFIC NAME	ESA STATUS ¹	SOURCE
Barn Swallow	<i>Hirundo rustica</i>	THR	NHIC database; Ontario Breeding Bird Atlas
Bobolink	<i>Dolichonyx oryzivorus</i>	THR	NHIC database; Ontario Breeding Bird Atlas

COMMON NAME	SCIENTIFIC NAME	ESA STATUS ¹	SOURCE
Canada Warbler	<i>Cardellina canadensis</i>	SC	iNaturalist
Eastern Meadowlark	<i>Sturnella magna</i>	THR	NHIC database
Eastern Wood-pewee	<i>Contopus virens</i>	SC	Ontario Breeding Bird Atlas
Wood Thrush	<i>Hylocichla mustelina</i>	SC	NHIC database
Monarch	<i>Danaus plexippus</i>	SC	iNaturalist
Little Brown Bat (Little Brown Myotis)	<i>Myotis lucifugus</i>	END	Bat Conservation International distribution maps
Northern Long-eared Bat (Northern Myotis)	<i>Myotis septentrionalis</i>	END	Bat Conservation International distribution maps
Small-footed Bat	<i>Myotis leibii</i>	END	Bat Conservation International distribution maps
Tri-colored Bat	<i>Perimyotis subflavus</i>	END	Bat Conservation International distribution maps
Butternut	<i>Juglans cinerea</i>	END	Flora Species for Entire TRCA Jurisdiction
Snapping Turtle	<i>Chelydra serpentina</i>	SC	Ontario Reptile and Amphibian Atlas
Northern Map Turtle	<i>Graptemys geographica</i>	SC	Ontario Reptile and Amphibian Atlas

Status listed under the Endangered Species Act, Regulation 230/08, current as of August 16, 2022: END – Endangered, THR – Threatened

4 PRELIMINARY IMPACT ASSESSMENT

Following completion of field investigations and selection of the preferred Access Alternatives for Station Alternative 3, a preliminary assessment of impacts of the Access Alternatives on natural heritage features was undertaken. Note that the potential impacts that Station Alternative 3 may have on natural heritage features were incorporated into each Access Alternative assessment. The preliminary impact assessment will inform the development of design considerations, mitigation measures to avoid or minimize impacts to natural environment features and habitats and identify potential requirements for environmental approvals or permits.

Potential impacts were determined for each access alternatives in terms of:

- type of feature impacted;
- new impacts vs within existing roadways/ parking lots;

- whether features are bisected or impacted incrementally at edges;
 - sensitivity of features impacted including unevaluated wetland (SWD4-1; **Figures 1 and 2**), SWH, and SAR; and
 - implications for approval and permitting requirements.
-

4.1 DESIGNATED FEATURES

4.1.1 STATION ALTERNATIVE 3

Station Alternative 3 does not intersect any mapped designated features. The natural heritage features present in Access Alternative 1 are not likely to qualify as part of the Greenlands System (Region of Peel OP) or Natural Heritage System (City of Brampton OP). Therefore, no impacts are anticipated to any designated features, and no associated approvals are expected.

4.1.2 ACCESS ALTERNATIVE 1 FINCH AVENUE

This Access Alternative does not intersect any mapped designated features. The natural heritage features present within Access Alternative 1 are not likely to qualify as part of the Greenlands System (Region of Peel OP) or Natural Heritage System (City of Brampton OP). Therefore, no impacts are anticipated on any designated features, and no associated approvals are expected.

4.1.3 ACCESS ALTERNATIVE 2 CANADIAN BLOOD SERVICES PARKING LOT

This Access Alternative does not intersect any mapped designated features. The natural heritage features present within Access Alternative 2 are not likely to qualify as part of the Greenlands System (Region of Peel OP) or Natural Heritage System (City of Brampton OP). Therefore, no impacts are anticipated on any designated features, and no associated approvals are expected.

4.1.4 ACCESS ALTERNATIVE 3 GRANITE DRIVEWAY

A small unevaluated wetland (SWD4-1; **Figures 1 and 2**) was identified during 2022 field investigations which will be marginally intersected by Access Alternative 3. This unevaluated wetland is disturbed and under 0.5 ha (0.26ha), but otherwise fits the definition of a wetland as outlined in Ontario Wetland Evaluation System (OWES; MNR 2012), and as such would qualify as part of the Greenlands System (potential natural area, Region of Peel OP) and Natural Heritage System (City of Brampton OP) and would likely require approvals prior to the removal or alteration.

Additionally, while the unevaluated wetland is not currently mapped in TRCA's regulated areas, TRCA through Ontario Regulation 166/06 protects wetlands within their jurisdiction, and a permit would be needed to remove or alter the unevaluated wetland.

Finally, a portion of Access Alternative 3 intersects with an approximately ~0.01 ha area of TRCA regulated land, southwest of the unevaluated wetland. This area does not appear to be immediately associated with any watercourse or wetland but may be associated with the floodplain of tributaries to Mimico Creek south of the study area. Consultation with TRCA regarding regulated lands limits should be undertaken at detailed design to determine permitting requirements for this access alternative.

4.2 VEGETATION COMMUNITIES

Impacts to vegetation communities in Access Alternatives 1-3 and the associated Station Alternative 3 (**Figure 2, Appendix A**) were assessed qualitatively and quantitatively. Community types and the general magnitude of impacts are discussed below.

Impacts to vegetation communities will generally include removal of vegetation including ground cover and trees for excavation during construction. Any areas not within existing or proposed roadways will be restored with native vegetation, reducing the impacts to communities to temporary disturbance until the community is re-established. Some vegetation removals may be permanent if the access road or Station Location precludes re-planting of trees.

Indirect impacts to vegetation communities may include soil compaction during construction, increased edge effects where the alignment impacts the interior or bisects a feature. Edge effects can include increased windthrow, changes in species composition, or increased invasive species colonization.

4.2.1 STATION ALTERNATIVE 3

Natural vegetation communities impacted by this alignment are found south of the ROW of Finch Avenue and are displayed in **Figures 1 and 2 (Appendix A)** and outlined in Table 4-1.

Table 4-1 Impacts to Vegetation Communities on Access Alternative 1 – Finch Avenue

ELC COMMUNITY	IMPACT AREA	COMMENTS
Meadow communities CUM1-1	0.041 ha	This culturally influenced meadow community is common within the right-of-way along the roadway shoulders of Finch Avenue. Vegetation associated with the construction of the new proposed pump station will result in permanent vegetation removal in the footprint.
Buckthorn Cultural Thicket CUT1b	0.046 ha	This culturally influenced community includes shrubs, regenerating trees and some meadow species. Vegetation associated with the construction of the new proposed pump station will result in permanent vegetation removal in the footprint.

4.2.2 ACCESS ALTERNATIVE 1 FINCH AVENUE

Natural vegetation communities impacted by this alignment are found along the ROW of Finch Avenue and are displayed in **Figures 1 and 2 (Appendix A)** and outlined in **Table 4-2**.

Table 4-2 Impacts to Vegetation Communities on Access Alternative 1

ELC COMMUNITY	IMPACT AREA	COMMENTS
Meadow communities CUM1-1	0.154 ha	This culturally influenced meadow community is common within the right-of-way along the roadway shoulders of Finch Avenue. The access road is anticipated to be paved, resulting in a permanent removal of all vegetation in the route. Grading of approximately 10m on either side of the access road is anticipated, which will result in temporary removal of vegetation, to be restored following construction.

ELC COMMUNITY	IMPACT AREA	COMMENTS
Cultural woodland communities CUH1-A/CUT1	0.072 ha	This culturally influenced community includes planted trees and regenerating shrubs. The access road is anticipated to be paved, resulting in a permanent removal of all vegetation in the route. Grading of approximately 10m on either side of the access road is anticipated, which will result in temporary removal of vegetation, to be restored following construction.
Buckthorn Cultural Thicket CUT1b	<0.001 ha	These culturally influenced communities are present along the edge of the CN rail line and along the fence line behind Canadian Blood Services and Granite buildings and is marginally impacted by the route. The access road is anticipated to be paved, resulting in a permanent removal of all vegetation in the route. Grading of approximately 10m on either side of the access road is anticipated, which will result in temporary removal of vegetation, to be restored following construction.

4.2.3 ACCESS ALTERNATIVE 2 CANADIAN BLOOD SERVICES PARKING LOT

Natural vegetation communities impacted by this alignment are found southeast of the Canadian Blood Services building, displayed in **Figures 1 and 2 (Appendix A)** and outlined in **Table 4-3**.

Table 4-3 Impacts to Vegetation Communities on Access Alternative 2

ELC COMMUNITY	IMPACT	COMMENTS
Meadow communities CUM1-1	0.045 ha	This culturally influenced meadow community is bisected for a small portion by Access Alternative 2. Potential impacts from construction of the access route will permanently remove all vegetation within the route, and grading on either side of the route will result in temporary removal of vegetation, to be restored following construction. as the route is likely to be paved. Some grading is expected on either side of the route, which will result in temporary removal of vegetation, to be restored following construction.
Cultural woodland communities CUH1-A/CUT1	<0.001 ha	This culturally influenced community is marginally impacted by Access Alternative 2, likely only impacting a portion of a single tree (<0.001 ha). Potential impacts from construction of the Access route may damage a portion of the tree.

4.2.4 ACCESS ALTERNATIVE 3 GRANITE DRIVEWAY

Natural vegetation communities impacted by this alignment are found from east of the Granite parking lot, travelling parallel to the CN rail line toward Finch Avenue, and are displayed in **Figures 1 and 2 (Appendix A)** and outlined in **Table 4-4**.

Table 4-4 Impacts to Vegetation Communities on Access Alternative 3

ELC COMMUNITY	IMPACT	COMMENTS
Willow Mineral Deciduous Swamp SWD4-1	Direct impact to feature- <0.001 ha	This community is a small pocket of unevaluated wetland that lies between the Canadian Blood Service building and the CN rail line. Access Alternative 3 travels along the outermost margin of the wetland but would encroach on a 10 m buffer surrounding the wetland. Potential impacts from construction of the Access route may impact vegetation along the edge of the community, as the route is likely to be paved. Some grading is expected on either side of the route, which will result in temporary removal of vegetation, to be restored following construction.
Buckthorn Cultural Thicket CUT1b	0.119 ha	These culturally impacted communities are present along the edge of the CN rail line and along the fence line behind Canadian Blood Services and Granite buildings. Potential impacts from construction of the Access route will permanently remove all vegetation within the route, and grading on either side of the route will result in temporary removal of vegetation, to be restored following construction. as the route is likely to be paved. Some grading is expected on either side of the route, which will result in temporary removal of vegetation, to be restored following construction.
Meadow communities CUM1-1	0.076 ha	This culturally impacted meadow community is impacted from east of the Granite driveway to east of the Canadian Blood Services building. Potential impacts from construction of the Access route will permanently remove all vegetation within the route, and grading on either side of the route will result in temporary removal of vegetation, to be restored following construction. as the route is likely to be paved. Some grading is expected on either side of the route, which will result in temporary removal of vegetation, to be restored following construction.

4.3 WILDLIFE

4.3.1 SIGNIFICANT WILDLIFE HABITAT

Candidate SWH identified for each sub-area is assessed here for potential impacts by each Access Alternative and the associated Station Alternative 3. Where impacts are identified, candidate habitat may need to be confirmed through additional studies and agency consultation, as identified in recommendations provided in Section 6 of this report.

One potential candidate SWH feature was identified in this area, located in SWD4-1, between the Canadian Blood Services building and the CN rail line. the transition between the CUM1-1 and CUT1b running parallel to the CN rail line. Impacts specific to the Station Alternative 3 and each Access Alternative are outlined in **Table 4-5**.

Table 4-5 Impacts to Significant Wildlife Habitat

AREA	SWH CATEGORY	IMPACT	COMMENTS
Station Alternative 3	None	None	None

AREA	SWH CATEGORY	IMPACT	COMMENTS
Access Alternative 1 Finch Avenue	None	None	None
Access Alternative 2 Canadian Blood Services Parking Lot	None	None	None
Access Alternative 3 Granite driveway	Bat Maternity Colonies	Interior (Direct impact to feature- <0.001 ha)	Potentially suitable bat maternity roosts (large Peach-leaved Willow and dying Green Ash) would be impacted by removal of trees within the SWD4-1 vegetation community during construction.

4.4 SPECIES AT RISK

The list of all SAR with records within 1 km of the Study Area is provided in **Table 3-3**. This list was refined based on an assessment of available habitat in the Study Area and specifically for each alignment. This section discusses SAR listed as Endangered or Threatened with potential to be impacted by each Access Alternative (including the associated Station Alternative 3), as these are the species that may require approvals under the ESA. Potential impacts to SAR listed as Special Concern are addressed in Candidate SWH for Special Concern and Rare Wildlife Species (Section 4.3.1 above). Potential for and magnitude of impacts are summarized below. The potential for impacts to SAR or their habitat is outlined in **Table 4-6**.

Table 4-6 Assessment of Potential Impacts to Endangered or Threatened Species at Risk

SPECIES	ESA STATUS ¹	KEY HABITAT USED BY SPECIES IN ONTARIO	ACCESS ALTERNATIVE 1	ACCESS ALTERNATIVE 2	ACCESS ALTERNATIVE 3	STATION ALTERNATIVE 3
Barn Swallow (<i>Hirundo rustica</i>)	THR	Prefers farmland; lake/river shorelines; wooded clearings; urban populated areas; rocky cliffs; and wetlands. They nest inside or outside buildings; under bridges and in road culverts; on rock faces and in caves etc. (MNRF Guelph - Waterloo List, 2014).	None. Breeding habitat not present.	None. Breeding habitat not present.	None. Breeding habitat not present.	None. Breeding habitat not present.
Bobolink (<i>Dolichonyx oryzivorus</i>)	THR	Generally prefers open grasslands and hay fields. In migration and in winter uses freshwater marshes and grasslands (MNRF Guelph - Waterloo List, 2014).	Low. Potential breeding habitat (grassland) is suboptimal as it is fragmented and disturbed, higher quality foraging habitat is present north and south of the study area.	Low. Potential breeding habitat (grassland) is suboptimal as it is fragmented and disturbed, higher quality foraging habitat is present north and south of the study area.	Low. Potential breeding habitat (grassland) is suboptimal as it is fragmented and disturbed, higher quality foraging habitat is present north and south of the study area.	Low. Potential breeding habitat (grassland) is suboptimal as it is fragmented and disturbed, higher quality foraging habitat is present north and south of the study area.
Eastern Meadowlark (<i>Sturnella magna</i>)	THR	Generally prefers grassy pastures, meadows and hay fields. Nests are always on the ground and usually hidden in or under grass clumps (MNRF Guelph - Waterloo List, 2014).	Low. Potential breeding habitat (grassland) is suboptimal as it is fragmented and disturbed, higher quality foraging habitat is present north and south of the study area.	Low. Potential breeding habitat (grassland) is suboptimal as it is fragmented and disturbed, higher quality foraging habitat is present north and south of the study area.	Low. Potential breeding habitat (grassland) is suboptimal as it is fragmented and disturbed, higher quality foraging habitat is present north and south of the study area.	Low. Potential breeding habitat (grassland) is suboptimal as it is fragmented and disturbed, higher quality foraging habitat is present north and south of the study area.
Little Brown Bat (Little Brown Myotis) (<i>Myotis lucifugus</i>)	END	Overwintering habitat: Caves and mines that remain above 0 degrees Celsius. Maternal Roosts: Often associated with buildings (attics, barns etc.). Occasionally found in trees (25-44 cm dbh) (MNRF Guelph - Waterloo List, 2014).	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.	Low. No known / confirmed habitat. Potentially suitable maternity roosts present in SWD4-1 (cavity trees / loose bark) can be avoided if removal of trees is outside of the active bat period (i.e., between October 1 and March 31).	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.
Northern Long-eared Bat (Northern Myotis) (<i>Myotis septentrionalis</i>)	END	Overwintering habitat: Caves and mines that remain above 0 degrees Celsius. Maternal Roosts: Often associated with cavities of large diameter trees (25-44 cm dbh). Occasionally found in structures (attics, barns etc.)(MNRF Guelph - Waterloo List, 2014).	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area..	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.	Low. No known / confirmed habitat. Potentially suitable maternity roosts present in SWD4-1 (cavity trees / loose bark) can be avoided if removal of trees is outside of the active bat period (i.e., between October 1 and March 31).	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.
Small-footed Bat (<i>Myotis leibii</i>)	END	Overwintering habitat: Caves and mines that remain above 0 degrees Celsius. Maternal Roosts: primarily under loose rocks on exposed rock outcrops, crevices and cliffs, and occasionally in buildings, under bridges and highway overpasses and under tree bark (MNRF Guelph - Waterloo List, 2014).	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.
Tri-colored Bat (<i>Perimyotis subflavus</i>)	END	Overwintering habitat: Caves and mines that remain above 0 degrees Celsius. Maternal Roosts: Manmade structures or tree cavities. Foraging over still water, rivers, or in forest gaps (COSEWIC 2013).	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.	Low. No known / confirmed habitat. Potentially suitable maternity roosts present in SWD4-1 (cavity trees / loose bark) can be avoided if removal of trees is outside of the active bat period (i.e., between October 1 and March 31).	None. No known / confirmed habitat. No potentially suitable maternity roosts habitat present, foraging habitat present north and south of the study area.

5 MITIGATION

The following mitigation measures are recommended for Station Alternative 3 and all Access Alternatives.

5.1 VEGETATION

Mitigation to minimize impacts to vegetation communities and their associated habitat functions are provided below.

- Vegetation clearing and retention zones will be delineated clearly on contract documents.
 - Limit vegetation removals to the extent required for construction, and as delineated on contract drawings. Trees shall not be removed from beyond the grading limits.
 - Employ appropriate vegetation clearing techniques (e.g., trees to be felled away from retained natural areas and watercourses, trimming of damaged branches and roots).
 - Install and maintain temporary erosion and sediment control measures.
 - Re-stabilize and re-vegetate exposed surfaces as soon as possible following disturbance, specifically within 15 days near watercourses and within 45 days in other graded areas. It is recommended that all disturbed habitats be re-vegetated with a native seed mix.
 - Planting plans for the road relocation or shoreline stabilization areas (to be developed at detail design) will utilize plant species that are native to this region of Ontario.
 - Implement dust control using water, not chemical suppressants.
 - The Clean Equipment Protocol for Industry, as prepared by the Peterborough Stewardship Council and Ontario Invasive Plant Council (May 2016) will be adhered to.
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5.2 WILDLIFE AND WILDLIFE HABITAT

The mitigation measures outlined above are designed to minimize effects to vegetation and protect adjacent vegetation areas, which in turn protect the associated wildlife habitat functions, however, it is also necessary to ensure the protection of breeding birds, as well as other wildlife that may nest or otherwise use areas where construction is proposed. Wildlife-specific mitigation measures are outlined below, as well as specific measures to address potential for incidental SAR encounters.

5.2.1 MIGRATORY BIRDS

Nesting migratory birds and their nests, eggs and young are protected under the *Migratory Bird Convention Act* (MBCA 1994) and Regulations (2022) under that Act. No work is permitted to proceed that would result in the destruction of active nests (i.e., nests with eggs or young birds), or the wounding or killing of bird species protected under the MBCA.

To ensure compliance with the MBCA, a due diligence approach is recommended, as follows:

- Awareness of the potential for nesting activity within the project limits during the Regional Nesting Period.
- Avoidance of activities that may disturb or harm nesting migratory birds.
 - Vegetation clearing (including grubbing and tree/shrub/grass removal) and any construction activities, in areas where migratory birds might nest (e.g., in culverts) should be scheduled to avoid the Regional Nesting Period (approximately April 1 to August 31). The Contractor will be made aware that occasionally bird species will precede or exceed the approximate breeding bird window.
- **Prevention and Mitigation** of potential impacts on migratory birds:
 - No active nests will be removed, or birds or nests disturbed in accordance with the MBCA.

- The Contractor will be advised that all temporary brush and loose soil piles should be tarped or otherwise inspected regularly to prevent nesting as they provide potentially suitable nesting sites for some species.
 - If a nesting migratory bird is identified within or adjacent to the construction site and the construction activities are such that continuing construction in that area might result in a contravention of the MBCA (i.e., potential harm or stress to nests, birds, eggs or young), all activities must cease, and the Contractor Administrator immediately notified.
-

5.2.2 OTHER WILDLIFE

For the protection of wildlife in general, the contractor will ensure that:

- Any wildlife incidentally encountered during construction will not be knowingly harmed or harassed and will be allowed to move away on its own.
 - In the event that an animal encountered during construction does not move from the construction zone and construction activities are such that continuing construction in the area would result in harm to the animal, all activities that could potentially harm the animal will cease immediately and the Contract Administrator and / or Environmental Inspector will be notified.
 - To avoid impacts to potential bat maternity colonies for non-SAR bat species in treed habitats (SWD4-1, **Figures 1 and 2, Appendix A**), and potential day roosting habitat (CUH1-A/CUT1b, **Figures 1 and 2, Appendix A**), no tree removals are permitted within the study area during the bat active season (i.e., April 1 to September 30).
-

5.3 SPECIES AT RISK

The mitigation measures outlined in previous sections for the protection of vegetation, wildlife and wildlife habitat will also serve to protect SAR generally. The following measures are also recommended.

- In the event that a SAR, or potential SAR, is found within the construction area, the Contractor will immediately cease all work that could potentially harm the animal and will notify the Contract Administrator, as these animals are protected under the ESA (2007). The Contract Administrator or their Environmental Inspector will then contact the MECP for direction.
 - Preliminary species-specific mitigation measures are outlined below. These will be reviewed and refined at detailed design.
-

5.3.1 SAR BIRDS

- Adhere to the mitigation measures outlined in Section 5.2.1 for MBCA compliance to avoid impacts to SAR bird species potentially nesting in the work area or vicinity (e.g., Barn Swallow, Bobolink, Eastern Meadowlark).
-

5.3.2 SAR BATS

- To avoid impacts to potential bat maternity colonies in treed habitats, no tree removals are permitted within the study area during the bat active season (i.e., April 1 to September 30).

6 RECOMMENDATIONS

The assessment of impacts completed for the construction of Station Alternative 3 and Access Alternatives 1-3 was based on identification of potential habitats and designated lands. The access route with the smallest anticipated impact to natural heritage features, based on site investigations and the assessment of impacts in this report, is Access Alternative 2: Canadian Blood Services parking lot. A summary of the anticipated permitting/ approvals required for each access alternative are provided in **Table 6-1**.

Table 6-1 Summary of Potential Permitting and Future Work Requirements

ACCESS ALTERNATIVE	POTENTIAL APPROVAL REQUIREMENTS	RECOMMENDATIONS FOR FUTURE WORK
Station Location 3	— N/A	— Nest searches if any vegetation removals will take place within the nesting period (approximately April 1 to August 31).
Access Alternative 1: Finch Avenue	— N/A	— Nest searches if any vegetation removals will take place within the nesting period (approximately April 1 to August 31).
Access Alternative 2: Canadian Blood Services Parking Lot	— N/A	— Nest searches if any vegetation removals will take place within the nesting period (approximately April 1 to August 31).
Access Alternative 3: Granite driveway	<ul style="list-style-type: none"> — TRCA Permit — Possible ESA Approvals for SAR bats. 	<ul style="list-style-type: none"> — Consultation with TRCA to determine the extent of regulated area and permitting/ compensation requirements for impacts to regulated land. — Flagging of wetland boundary and site walk with TRCA to confirm setback and/ or compensation requirements for impact to SDW4-1. — Targeted field surveys may be required to confirm SWH (Bat Maternity Colonies). Consultation with MECP to determine SAR bat survey requirements. — Nest searches if any vegetation removals will take place within the nesting period (approximately April 1 to August 31).

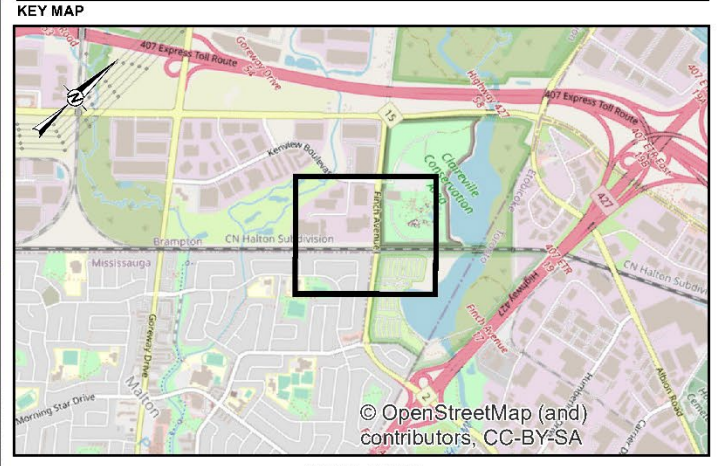
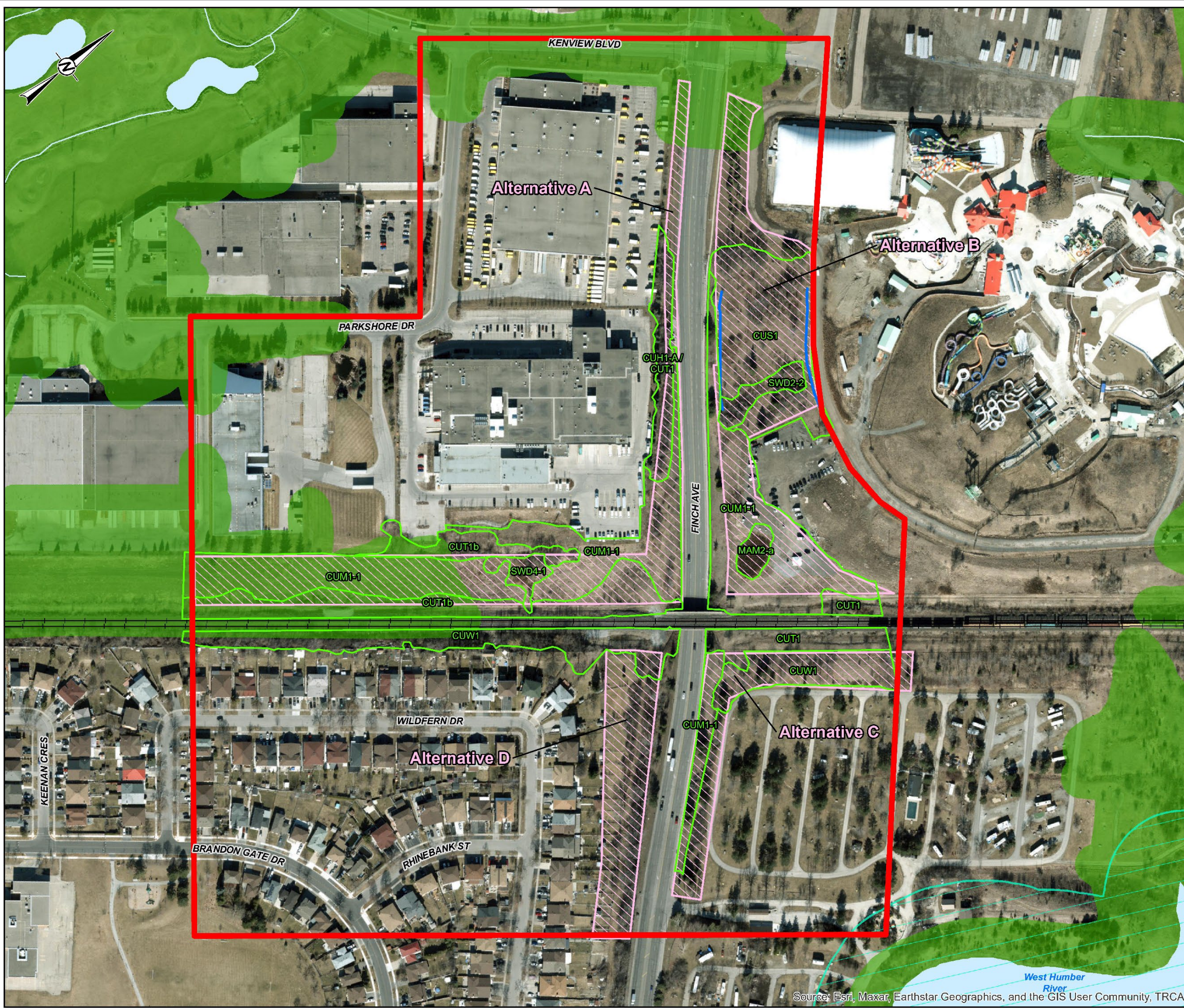
7 REFERENCES

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APPENDIX

A FIGURES





LEGEND

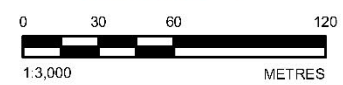
- STUDY AREA
- ELC COMMUNITY
- ALTERNATIVE AREAS
- RAILWAY
- DITCH / TRENCH
- WATERCOURSE
- WATERBODY
- TRCA REGULATED AREA

GREENBELT DESIGNATION

- URBAN RIVER VALLEY

ELC Code	Description
CUH1-A / CUT1	Tree Hedgerow / Mineral Cultural Thicket
CUM1-1	Dry-Moist Old Field Meadow
CUS1	Mineral Cultural Savanna
CUT1	Mineral Cultural Thicket
CUT1b	Buckthorn Deciduous Thicket
CUW1	Mineral Cultural Woodland
MAM2-a	Common Reed Mineral Meadow Marsh
SWD2-2	Red Ash Mineral Deciduous Sw amp
SWD4-1	Willow Mineral Deciduous Sw amp

DRAFT



NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
REGION OF PEEL

PROJECT
FINCH STORMWATER PUMPING STATION

TITLE
STUDY AREA, ALTERNATIVE ALIGNMENTS AND NATURAL HERITAGE FEATURES

CONSULTANT	DATE
YYYY-MM-DD	2022-11-23
DESIGNED	---
PREPARED	####
REVIEWED	---
APPROVED	---

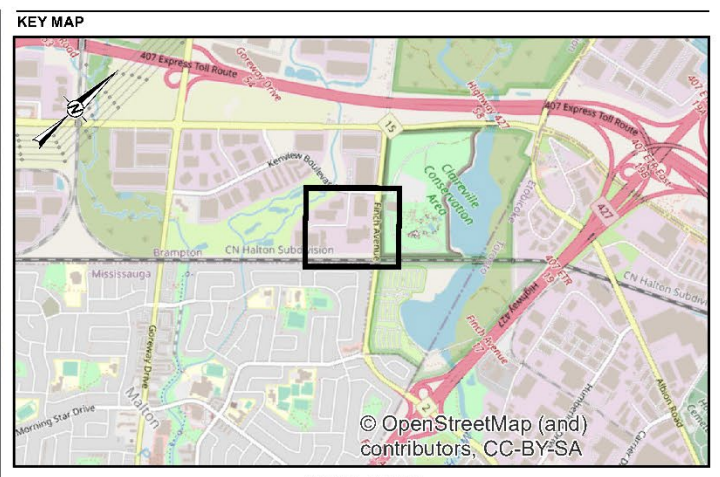
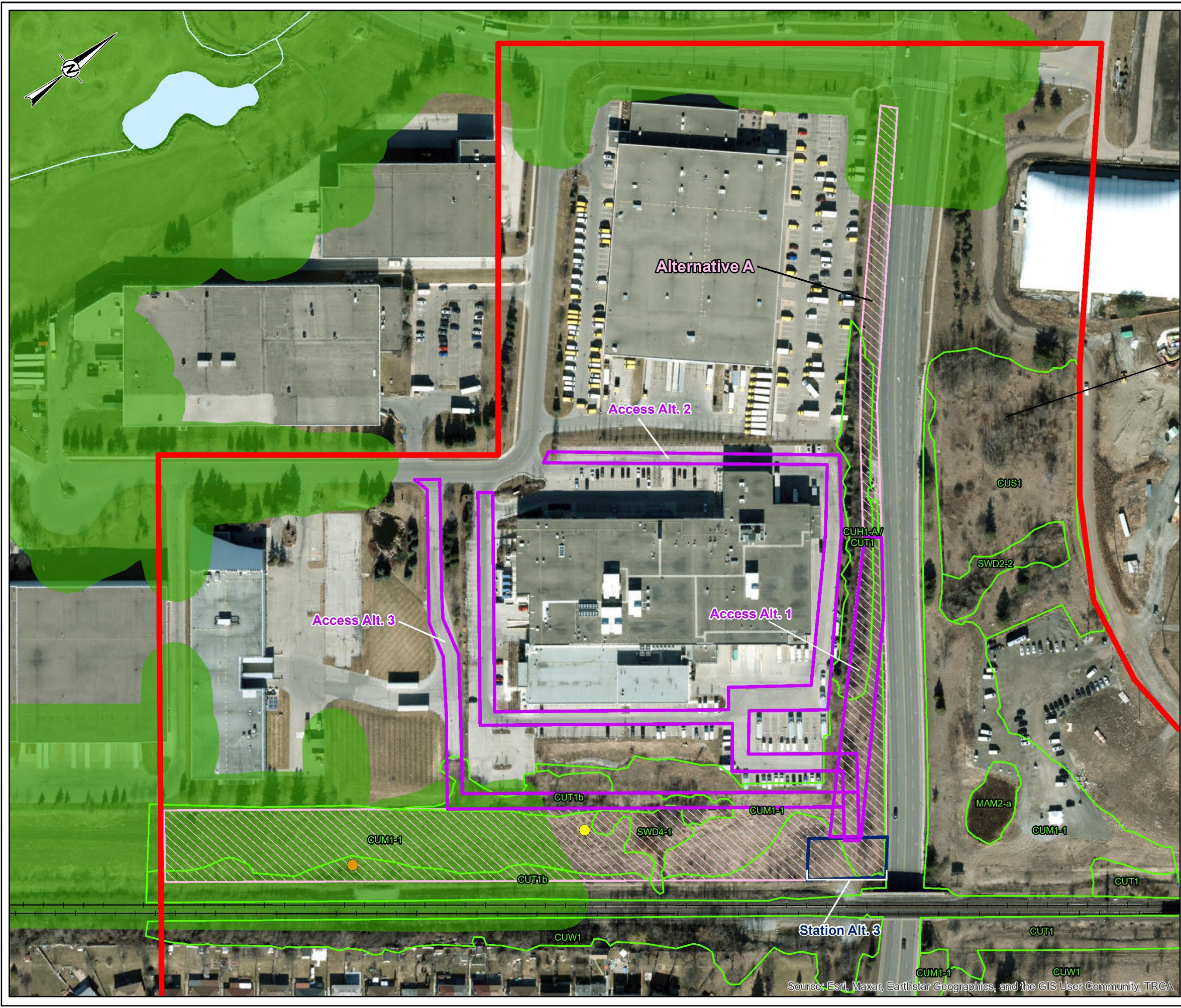
PROJECT NO. 221-11343-00 CONTROL 0001 REV. A FIGURE A-1

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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, TRCA

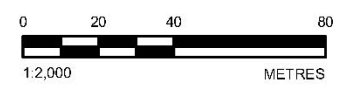
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- LEGEND**
- FROST ASTER
 - SMOOTH ASTER
 - STUDY AREA
 - ELC COMMUNITY
 - ALTERNATIVE AREA A
- ALTERNATIVE A OPTIONS**
- ACCESS
 - STATION
 - RAILWAY
 - WATERCOURSE
 - WATERBODY
 - TRCA REGULATED AREA

ELC Code	Description
CUH1-A / CUT1	Tree Hedgerow / Mineral Cultural Thicket
CUM1-1	Dry-Moist Old Field Meadow
CUS1	Mineral Cultural Savanna
CUT1	Mineral Cultural Thicket
CUT1b	Buckthorn Deciduous Thicket
CUW1	Mineral Cultural Woodland
MAM2-a	Common Reed Mineral Meadow Marsh
SWD2-2	Red Ash Mineral Deciduous Sw amp
SWD4-1	Willow Mineral Deciduous Sw amp

DRAFT



NOTE(S)
 1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
 1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
 2. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
 REGION OF PEEL

PROJECT
 FINCH STORMWATER PUMPING STATION

TITLE
ALTERNATIVE A NATURAL HERITAGE FEATURES

CONSULTANT	DATE	REVISION
wsp GOLDER	YYYY-MM-DD	2023-01-11
	DESIGNED	---
	PREPARED	####
	REVIEWED	---
	APPROVED	---

PROJECT NO. 221-11343-00 CONTROL 0001 REV. A FIGURE A-2

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, TRCA

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A30

APPENDIX

B

VASCULAR PLANT SPECIES LIST

SCIENTIFIC NAME	COMMON NAME	SARO ¹	PEEL REGION (Varga et al. 2000) ²	PEEL/CVC (Kaiser, 2001) ³	TRCA (2018) ⁴	CUH1-A/CUT1	CUM1-1	CUS1	CUT1	CUT1b	CUW1	MAM2-a	SWD2-2	SWD4-1
<i>Acer negundo</i>	Manitoba Maple		X	X	L+?						X			
<i>Acer platanoides</i>	Norway Maple		X	X	L+	*	*				X			
<i>Acer saccharinum</i>	Silver Maple		X	X	L4		*	X						
<i>Achillea millefolium</i>	Common Yarrow		X	X	L+		X							
<i>Agrostis gigantea</i>	Redtop		X	X	L+		X			X				
<i>Alliaria petiolata</i>	Garlic Mustard		X	X	L+		X							
<i>Ambrosia artemisiifolia</i>	Common Ragweed		X	X	L5		X							
<i>Asclepias syriaca</i>	Common Milkweed		X	X	L5		X	X	X	X	X			
<i>Atriplex patula</i>	Spear Saltbush		X	X	L+?	X								
<i>Bidens frondosa</i>	Devil's Beggarticks		X	X	L5			X						
<i>Bromus inermis</i>	Smooth Brome		X	X	L+	X	X	X	X		X			
<i>Calamagrostis epigeios</i>	Chee Reedgrass				L+			X						
<i>Carduus acanthoides</i>	Spiny Plumeless Thistle		X	X	L+	X	X			X				
<i>Centaurea jacea</i>	Brown Knapweed				L+	X								
<i>Cichorium intybus</i>	Wild Chicory		X	X	L+	X	X				X			
<i>Cirsium arvense</i>	Canada Thistle		X	X	L+		X	X		X	X			
<i>Cirsium vulgare</i>	Bull Thistle		X	X	L+	X								
<i>Cornus obliqua</i>	Silky Dogwood		R5	L	L4			X						
<i>Cornus sericea</i>	Red-osier Dogwood		X	X	L5			X		X				
<i>Crataegus sp.</i>	Hawthorn sp.							X		X				
<i>Daucus carota</i>	Wild Carrot		X	X	L+	X	X	X		X	X			
<i>Dipsacus fullonum</i>	Common Teasel		X	X	L+		X	X						
<i>Echium vulgare</i>	Common Viper's Bugloss		X	X	L+		X							
<i>Elaeagnus angustifolia</i>	Russian Olive		X	X	L+	X			X	X	X			
<i>Elaeagnus umbellata</i>	Autumn Olive			X	L+		X	X		X				
<i>Epilobium ciliatum ssp. ciliatum</i>	Northern Willowherb		X	X	L5								X	
<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod		X	X	L5		X	X		X				

SCIENTIFIC NAME	COMMON NAME	SARO ¹	PEEL REGION (Varga et al. 2000) ²	PEEL/CVC (Kaiser, 2001) ³	TRCA (2018) ⁴	CUH1-A/CUT1	CUM1-1	CUS1	CUT1	CUT1b	CUW1	MAM2-a	SWD2-2	SWD4-1
<i>Festuca rubra</i> ssp. <i>rubra</i>	Red Fescue			X	L+					X				
<i>Fraxinus americana</i>	White Ash		X	X	L5			X		X				
<i>Fraxinus pennsylvanica</i>	Red Ash		X	X	L5		X	X	X	X	X		X	X
<i>Galium mollugo</i>	Smooth Bedstraw		XSR	X	L+		X			X				
<i>Geum</i> sp.	Avens sp.							X						
<i>Hypericum perforatum</i>	Common St. John's-wort		X	X	L+			X						
<i>Inula helenium</i>	Elecampane		X	X	L+			X						
<i>Juglans nigra</i>	Black Walnut		X	X	L5			X		X				
<i>Juniperus virginiana</i>	Eastern Red Cedar		R5	L	L5		X			X				
<i>Leonurus cardiaca</i>	Common Motherwort		X	X	L+	X								
<i>Lolium arundinaceum</i>	Tall Ryegrass		X	X	L+		X							
<i>Lonicera tatarica</i>	Tatarian Honeysuckle		X	X	L+	X								
<i>Lonicera x bella</i>	Bell's Honeysuckle		X	X	L+		X	X		X				
<i>Lotus corniculatus</i>	Garden Bird's-foot Trefoil		X	X	L+		X			X				
<i>Lycopus europaeus</i>	European Water-horehound			X	L+								X	
<i>Lythrum salicaria</i>	Purple Loosestrife		X	X	L+		X	X		X			X	X
<i>Malus pumila</i>	Common Apple		X	X	L+		X			X				
<i>Melilotus albus</i>	White Sweet-clover		X	X	L+		X			X	X			
<i>Monarda fistulosa</i>	Wild Bergamot		X	X	L5		X							
<i>Morus alba</i>	White Mulberry		X	X	L+	X								
<i>Nepeta cataria</i>	Catnip		X	X	L+	X								
<i>Oenothera biennis</i>	Common Evening-primrose		U	X	L5		X							
<i>Parthenocissus vitacea</i>	Thicket Creeper		X	X	L5	X								X
<i>Phalaris arundinacea</i> var. <i>arundinacea</i>	Reed Canarygrass		X	X	L+?	X	X			X				
<i>Phragmites australis</i>	Common Reed		X	X	L+								X	
<i>Phragmites australis</i> ssp. <i>australis</i>	European Reed				L+		X	X	X	X		X		X
<i>Picea glauca</i>	White Spruce		R3	L	L3			X						

SCIENTIFIC NAME	COMMON NAME	SARO ¹	PEEL REGION (Varga et al. 2000) ²	PEEL/CVC (Kaiser, 2001) ³	TRCA (2018) ⁴	CUH1-A/CUT1	CUM1-1	CUS1	CUT1	CUT1b	CUW1	MAM2-a	SWD2-2	SWD4-1
<i>Picea pungens</i>	Blue Spruce				L+	*	*							
<i>Pinus resinosa</i>	Red Pine		R1	R/L	L2		*				*			
<i>Poa pratensis</i> ssp. <i>pratensis</i>	Kentucky Bluegrass		X	X	L+	X	X	X		X				
<i>Populus balsamifera</i>	Balsam Poplar		X	X	L5			X						
<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood		X							X	X			
<i>Portulaca oleracea</i>	Common Purslane		X	X	L+		X							
<i>Potentilla recta</i>	Sulphur Cinquefoil		X	X	L+		X							
<i>Prunus virginiana</i>	Chokecherry		X	X	L5	X				X				
<i>Pyrus communis</i>	Common Pear		X	X	L+		X							
<i>Quercus macrocarpa</i>	Bur Oak		X	X	L4	X		X						
<i>Rhamnus cathartica</i>	European Buckthorn		X	X	L+	X	X	X	X	X	X		X	
<i>Rhus typhina</i>	Staghorn Sumac		X	X	L5			X		X				
<i>Robinia pseudoacacia</i>	Black Locust		X	X	L+	X					X			
<i>Rubus idaeus</i> ssp. <i>strigosus</i>	North American Red Raspberry		X	X	L5		X	X		X				
<i>Salix amygdaloides</i>	Peach-leaved Willow		R6	L	L4		X			X			X	X
<i>Salix bebbiana</i>	Bebb's Willow		X	X	L4							X		
<i>Salix eriocephala</i>	Cottony Willow		X	X	L5					X				X
<i>Salix interior</i>	Sandbar Willow		R5	L	L5		X	X					X	
<i>Salix petiolaris</i>	Meadow Willow		X	X	L4							X		
<i>Salix</i> sp.	Willow sp.								X		X			
<i>Salix x fragilis</i>	Hybrid White Willow		X/XSR	X	L+	X								
<i>Solanum dulcamara</i>	Bittersweet Nightshade		X	X	L+	X							X	
<i>Solidago altissima</i> var. <i>altissima</i>	Eastern Tall Goldenrod		X	X	L5	X	X	X	X	X	X			X
<i>Solidago nemoralis</i> ssp. <i>nemoralis</i>	Grey-stemmed Goldenrod		X	X	L5		X							
<i>Symphotrichum ericoides</i> var. <i>ericoides</i>	White Heath Aster			X	L5	X	X			X	X			
<i>Symphotrichum laeve</i> var. <i>laeve</i>	Smooth Aster				L3					X				

SCIENTIFIC NAME	COMMON NAME	SARO ²	PEEL REGION (Varga et al. 2000) ¹	PEEL/CVC (Kaiser, 2001) ⁸	TRCA (2018) ⁴	CUH1-A/CUT1	CUM1-1	CUS1	CUT1	CUT1b	CUW1	MAM2-a	SWD2-2	SWD4-1
<i>Symphotrichum lanceolatum</i> <i>ssp. lanceolatum</i>	Eastern Panicked Aster		X	X	L5		X	X		X				
<i>Symphotrichum novae-angliae</i>	New England Aster		X	X	L5	X	X	X	X	X				
<i>Symphotrichum pilosum</i> var. <i>pilosum</i>	Old Field Aster		R1	R/L	L3		X							
<i>Symphotrichum x</i> <i>amethystinum</i>	Amethyst Aster		X	X	L5		X							
<i>Syringa vulgaris</i>	Common Lilac		X	X	L+		X							
<i>Taraxacum officinale</i>	Common Dandelion		X	X	L+		X							
<i>Typha angustifolia</i>	Narrow-leaved Cattail		X	X	L+								X	X
<i>Ulmus americana</i>	White Elm		X	X	L5			X		X				
<i>Viburnum lantana</i>	Wayfaring Viburnum		X	X	L+		X	X		X				
<i>Vicia cracca</i>	Tufted Vetch		X	X	L+		X			X				
<i>Vincetoxicum rossicum</i>	European Swallowwort		X	X	L+		X	X	X	X	X			
<i>Vitis riparia</i>	Riverbank Grape		X	X	L5	X	X	X		X				X

* = planted

PLANT LIST LEGEND

¹ Scientific Name, Common Name, and Family

Based on Vascan (Dec. 2017) and NHIC (Dec. 16 2018)

Vascan: <http://data.canadensys.net/vascan/search>

NHIC: http://www.sse.gov.on.ca/sites/MNR-PublicDocs/EN/ProvincialServices/Ontario_Vascular_Plants.xlsx

² SARO (Species at Risk in Ontario)

Provincial status from MNRF (Status as of Dec. 2018)

<https://www.ontario.ca/environment-and-energy/species-risk-ontario-list>

The provincial review process is implemented by the MNR's Committee on the Status of Species at Risk in Ontario (COSSARO). COSSARO is an independent advisory panel to the Ontario Ministry of Natural Resources and Forestry that assesses the status of species at risk of extinction.

MNRF Conservation Status Ranks

EXP: Extirpated – Extirpated – Lives somewhere in the world, and at one time lived in the wild in Ontario, but no longer lives in the wild in Ontario.

END: Endangered – Lives in the wild in Ontario but is facing imminent extinction or extirpation.

THR: Threatened – Lives in the wild in Ontario, is not endangered, but is likely to become endangered if steps are not taken to address factors threatening it.

SC: Special Concern – Lives in the wild in Ontario, is not endangered or threatened, but may become threatened or endangered due to a combination of biological characteristics and identified threats.

³ Peel, Toronto, GTA

Varga, S., et. al. 2000. *The Distribution and Status of the Vascular Plants of the Greater Toronto Area*. Ontario Ministry of Natural Resources, Aurora, ON. 103 pp.

"Plant rarity is based on the number of locations for a native plant species" and also takes into account native species restricted to specialized rare habitats. For the Greater Toronto Area column, "A species is considered rare in the Greater Toronto Area if it is rare or uncommon in a least four of... Halton, Peel, Toronto, York, and Durham".

Codes are defined as follows:

X: Present

U: Uncommon native species

R: Rare native species

R#: Number of stations for a rare native species

E: Extirpated native species

+ or I: Introduced species

X+: Introduced in municipality

SR: Sight record

LR: Literature record

⁴ Peel and/or CVC

Kaiser, Jeff. 2001. *The Vascular Plant Flora of the Region of Peel and the Credit River Watershed*. Prepared for Credit Valley Conservation, The Regional Municipality of Peel, and the Toronto and Region Conservation Authority.

R: Regionally Rare (GTA), fewer than 40 locations

L: Locally Rare (Peel and Credit River Watershed), fewer than 11 stations

X: Present



Appendix E: Archaeology Assessment Stage 1 Report



DRAFT REPORT

Stage 1 Archaeological Assessment

Schedule 'B' Municipal Class EA for the Proposed Upgrades to the Finch Stormwater Pumping Station, Parts of Lots 14 and 15, Concession 8 and 9 Southern Division, Former Geographic Township of Toronto Gore, County of Peel, now the Cities of Brampton and Mississauga, Regional Municipality of Peel, Ontario

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February 27, 2023

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1 e-copy - Ministry Citizenship and Multiculturalism

1 e-copy - WSP Canada Inc.

DRAFT

Executive Summary

The Executive Summary highlights key points from the report only; for complete information and findings, as well as the limitations, the reader should examine the complete report.

WSP Canada Inc. (WSP), formerly Golder Associates Ltd., a member of WSP (Golder), was retained by GM BluePlan (the Client) through the Regional Municipality of Peel (end Client) to undertake a Stage 1 Archaeological Assessment as part of the Schedule 'B' Municipal Class EA for the proposed upgrades to the Finch Stormwater Pumping Station. The Class EA Study Area is approximately 35 ha, within part of Lots 14 and 15, Concession 8 Southern Division, and part of Lots 14 and 15, Concession 9 Southern Division, former Geographic Township of Toronto Gore, County of Peel, now the cities of Brampton and Mississauga, Regional Municipality of Peel, Ontario.

The objectives of the Stage 1 Archaeological Assessment were to gather information about the Study Area's geography, land use history and current condition, as well as any previous archaeological research within the vicinity, to determine the Study Area's archaeological potential and recommend further archaeological assessment (i.e., Stage 2 Archaeological Assessment), if required. The Stage 1 Archaeological Assessment and property inspection found that portions of the Study Area exhibited potential for the recovery of pre- and post-contact Indigenous and Euro-Canadian historical archaeological resources. Based on these findings, the following recommendations are provided.

- 1) Portions of the Study Area identified as having archaeological potential on Map 8 should be subject to Stage 2 Archaeological Assessment survey prior to anticipated ground disturbing activities associated with the proposed upgrades to the Finch Stormwater Pumping Station. The survey should include shovel test pitting at 5 m intervals in accordance with Section 2.1.2 of the MCM's *Standards and Guidelines for Consultant Archaeologists* (2011). If areas of archaeological potential within the Study Area are not anticipated to be impacted by ground disturbing activities associated with the proposed upgrades to the Finch Stormwater Pumping Station (i.e., areas outside of proposed Alternatives A, B, C, and D), then they do not require Stage 2 Archaeological Assessment survey at this time but will require Stage 2 survey prior to any future planned impacts.
- 2) Portions of the Study Area associated with proposed Alternatives A, B, C, and D that have been identified as previously disturbed or steeply sloped on Map 8 do not require further archaeological assessment.
- 3) Portions of the Study Area outside of proposed Alternatives A, B, C, and D that have been identified as previously disturbed or steeply sloped should be subject to property inspections to confirm they are areas of low archaeological potential not requiring Stage 2 Archaeological Assessment. If the property inspections confirm low archaeological potential within these areas, then no further assessment is required. If the property inspections determine that there is archaeological potential, then Stage 2 Archaeological Assessment should be completed prior to development/ construction impacts.

The MCM is requested to review and provide a letter indicating their satisfaction with the results and recommendations presented herein, with regard to the 2011 *Standards and Guidelines for Consultant Archaeologists* and the terms and conditions for archaeological licences, and to enter this report into the Ontario Public Register of Archaeological Reports.

Study Limitations

WSP Canada Inc. (WSP) has prepared this report in a manner consistent with that level of care and skill ordinarily exercised by members of the archaeological profession currently practicing under similar conditions in the jurisdiction in which the services are provided, subject to the time limits and physical constraints applicable to this report. No other warranty expressed or implied is made.

This report has been prepared for the specific site, design objective, developments and purpose described to WSP by GM BluePlan Engineering Limited (the Client) and the Region of Peel (end Client). The factual data, interpretations and recommendations pertain to a specific project as described in this report and are not applicable to any other project or site location.

The information, recommendations and opinions expressed in this report are for the sole benefit of the Client. No other party may use or rely on this report or any portion thereof without WSP's express written consent. If the report was prepared to be included for a specific permit application process, then upon the reasonable request of the client, WSP may authorize in writing the use of this report by the regulatory agency as an Approved User for the specific and identified purpose of the applicable permit review process. Any other use of this report by others is prohibited and is without responsibility to WSP. The report, all plans, data, drawings and other documents as well as all electronic media prepared by WSP are considered its professional work product and shall remain the copyright property of WSP, who authorizes only the Client and Approved Users to make copies of the report, but only in such quantities as are reasonably necessary for the use of the report by those parties. The Client and Approved Users may not give, lend, sell, or otherwise make available the report or any portion thereof to any other party without the express written permission of WSP. The Client acknowledges the electronic media is susceptible to unauthorized modification, deterioration, and incompatibility and therefore the Client cannot rely upon the electronic media versions of WSP's report or other work products.

Unless otherwise stated, the suggestions, recommendations and opinions given in this report are intended only for the guidance of the Client in the design of the specific project.

Special risks occur whenever archaeological investigations are applied to identify subsurface conditions and even a comprehensive investigation, sampling and testing program may fail to detect all or certain archaeological resources. The sampling strategies incorporated in this study comply with those identified in the MCM's *Standards and Guidelines for Consultant Archaeologists* (2011).

Project Personnel

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Abbreviations

OASD	Ontario Archaeological Site Database
CHVI	Cultural Heritage Value or Interest
Golder	Golder Associates Ltd., a member of WSP
m	Metre(s)
ha	Hectare(s)
MCM	Ministry of Citizenship and Multiculturalism
ND	No Date
PIF	Project Information Form
WSP	WSP Canada Inc.

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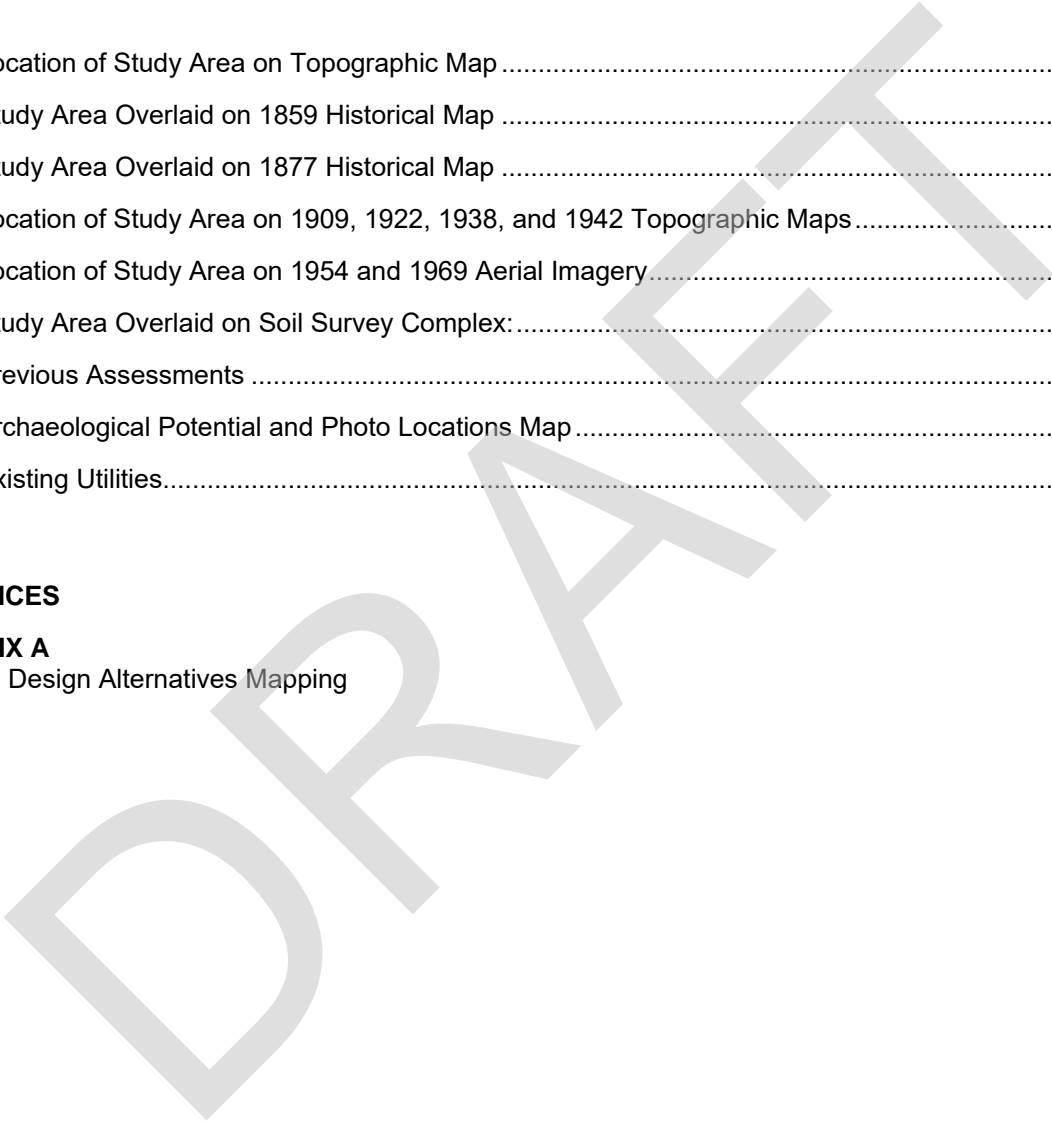
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APPENDIX A

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1.0 PROJECT CONTEXT

1.1 Development Context

The Region of Peel (the Region) is responsible for planning, design, constructing, operating, and maintaining the sanitary sewer network, pumping stations, and treatment plants within its municipal boundaries. With the Region's forecasted growth to 2041 and beyond, there is a need to expand and enhance some of its vertical infrastructures to accommodate the projected near future wastewater system flow capacity. Furthermore, the need to maximize the use of existing infrastructure has been part of the preferred wastewater strategy in the Region's masterplan.

WSP Canada Inc. (WSP), formerly Golder Associates Ltd., a member of WSP (Golder), was retained by GM BluePlan (the Client) through the Regional Municipality of Peel (end Client) to undertake a Stage 1 Archaeological Assessment as part of the Schedule 'B' Municipal Class EA for the proposed upgrades to the Finch Stormwater Pumping Station. The Class EA Study Area consists of proposed design alternatives within a Study Area that is approximately 35 ha. The Study Area is within part of Lots 14 and 15, Concession 8 Southern Division, and part of Lots 14 and 15, Concession 9 Southern Division, former Geographic Township of Toronto Gore, County of Peel, now the cities of Brampton and Mississauga, Regional Municipality of Peel, Ontario (Map 1).

Permission to enter the Toronto and Region Conservation Authority (TRCA) owned Lands was provided by the TRCA. The remaining areas were inspected from the public rights-of-way.

1.2 Objectives

In compliance with Ontario's requirements set out in the *Standards and Guidelines for Consultant Archaeologists* (MCM 2011), the objectives of the Stage 1 Archaeological Assessment were:

- to provide information about the Study Area's geography, history, previous archaeological fieldwork and current land condition
- to evaluate in detail the Study Area's archaeological potential, which will support recommendations for Stage 2 survey for all or parts of the Study Area
- to recommend appropriate strategies for Stage 2 archaeological survey

To meet these objectives the following tasks were completed:

- review of relevant archaeological, historical, and environmental literature pertaining to the Study Area
- review of an updated listing of registered archaeological sites from the Ontario Archaeological Sites Database (OASD)
- review of previously completed archaeological assessments within or adjacent to the Study Area
- review of historical maps of the Study Area
- a property inspection

1.3 Historic Context

1.3.1 Regional Indigenous Pre-Contact History

The general culture history of southern Ontario based on Ellis and Ferris (1990), spanning the Pre-Contact Indigenous Period is summarised in Table 1.

Table 1: Overview of Cultural Chronology of Southern Ontario

Period		Time Period (circa)	Characteristics
Paleo	Early	10,950 – 10,350 BP	Gainey, Barnes and Crowfield traditions; Small bands; mobile hunters and gatherers and large territories; Fluted projectiles.
	Late	10,350 – 9950 BP	Holcomb, Hi-Lo and Lanceolate biface traditions; continuing mobility; Campsite/Way-Station sites; Smaller territories are utilized; Non-fluted projectiles.
Archaic	Early	9950 – 7950 BP	Side-notched, corner-notched, and bifurcate base traditions; growing diversity of stone tool types; heavy woodworking tools appear (e.g., ground stone axes and chisels).
	Middle	7950 – 4450 BP	Stemmed, Brewerton side- and corner-notched traditions; reliance on local resources; populations increasing; more ritual activities; fully ground and polished tools; netsinkers common; earliest copper tools.
	Late	4450 – 2900 BP	Narrow Point, Broad Point and Small Point traditions; less mobility; use of fish-weirs; more formal cemeteries appear; stone pipes emerge; long-distance trade.
Woodland	Early	2900 – 2350 BP	Meadowood tradition; cord-roughened ceramics emerge; Meadowood cache blades and side-notched points; bands of up to 35 people.
	Middle	2350 – 1400 BP	Saugeen, Point Peninsula and Couture traditions; stamped ceramics appear; Saugeen projectile points; cobble spall scrapers; seasonal settlements and resource utilization; post holes, hearths, middens, cemeteries, and rectangular structures identified.
	Transitional	1400 – 1050 BP	Princess Point tradition; cord roughening, impressed lines, and punctate designs on pottery; adoption of maize horticulture at the western end of Lake Ontario; oval houses and 'incipient' longhouses; first palisades; villages with up to 75 people.
	Early Late Woodland	1050 – 650 BP	Glen Meyer tradition; settled village-life based on agriculture; small villages (0.4 ha) with up to 75-200 people and 4-5 longhouses; semi-permanent settlements.
	Middle Late Woodland	650 – 550 BP	Uren and Middleport traditions; classic longhouses emerge; larger villages (1.2 ha) with up to 600 people; more permanent settlements (30 years).
	Late Late Woodland	550 – 350 BP	Larger villages (1.7 ha) with examples up to 5 ha and up to 2,500 people; extensive croplands; hamlets, cabins, camps, and cemeteries; potential tribal units; fur trade begins ca. 1580; European trade goods appear.

*(BP) Before Present Era dates are calculated using the year 1950 as the recognized start date of the present era.

1.3.1.1 Paleo Period

The first human occupation of southern Ontario begins just after the end of the Wisconsin Glacial Period. Although there were a complex series of ice retreats and advances which played a large role in shaping the local topography, south-central Ontario was finally ice free by 12,500 years ago.

The first human settlement can be traced back 11,000 years, when this area was settled by Indigenous groups that had been living south of the Great Lakes. The period of these early Indigenous inhabitants is known as the Paleo Period (Ellis and Deller 1990).

Our current understanding of settlement patterns of Early Paleo peoples suggests that small bands, consisting of probably no more than 25-35 individuals, followed a pattern of seasonal mobility extending over large territories. One of the most thoroughly studied of these groups followed a seasonal round that extended from as far south as Chatham to the Horseshoe Valley north of Barrie. Early Paleo sites tend to be located in elevated locations on well-drained loamy soils. Many of the known sites were located on former beach ridges associated with glacial lakes. There are a few extremely large Early Paleo sites, such as one located close to Parkhill, Ontario, which covered as much as six hectares. It appears that these sites were formed when the same general locations were occupied for short periods of time over the course of many years. Given their placement in locations conducive to the interception of migratory mammals such as caribou, it has been suggested that they may represent communal hunting camps. There are also smaller Early Paleo camps scattered throughout the interior of southwestern and south-central Ontario, usually situated adjacent to wetlands.

Research suggests that population densities were very low during the Early Paleo Period (Ellis and Deller 1990: 54). Archaeological examples of Early Paleo sites are rare.

The Late Paleo Period (10,350 – 9950 BP) has been less well researched and is consequently more poorly understood. By this time the environment of south-central Ontario was coming to be dominated by closed coniferous forests with some minor deciduous elements. It seems that many of the large game species that had been hunted in the early part of the Paleo Period had either moved further north, or as in the case of the mastodons and mammoths, became extinct.

Like the Early Paleo peoples, Late Paleo peoples covered large territories as they moved about in response to seasonal resource fluctuations. On a province wide basis Late Paleo projectile points are far more common than Early Paleo materials, suggesting a relative increase in population.

The end of the Late Paleo Period was heralded by numerous technological and cultural innovations that appeared throughout the Archaic Period. These innovations may be best explained in relation to the dynamic nature of the post-glacial environment and region-wide population increases.

1.3.1.2 Archaic Period

During the Early Archaic Period (9950 – 7950 BP), the jack and red pine forests that characterized the Late Paleo environment were replaced by forests dominated by white pine with some associated deciduous trees (Ellis et al. 1990: 68-69). One of the more notable changes in the Early Archaic Period is the appearance of side and corner-notched projectile points. Other significant innovations include the introduction of ground stone tools such as celts and axes, suggesting the beginnings of a simple woodworking industry. The presence of these often large and not easily portable tools suggests there may have been some reduction in the degree of seasonal movement, although it is still suspected that population densities were quite low, and band territories large.

During the Middle Archaic Period (7950 – 4450 BP) the trend to more diverse toolkits continued, as the presence of net-sinkers suggest that fishing was becoming an important aspect of the subsistence economy. It was also at this time that "bannerstones" were first manufactured.

Bannerstones are carefully crafted ground stone devices that served as a counterbalance for atlatls or spear-throwers. Another characteristic of the Middle Archaic is an increased reliance on local, often poor-quality chert resources for the manufacturing of projectile points. It seems that during earlier periods, when groups occupied large territories, it was possible for them to visit a primary outcrop of high-quality chert at least once during their seasonal round. However, during the Middle Archaic, groups inhabited smaller territories that often did not encompass a source of high-quality raw material. In these instances, lower quality materials which had been deposited by the glaciers in the local till and river gravels were utilized.

This reduction in territory size was probably the result of gradual region-wide population growth which led to the infilling of the landscape. This process forced a reorganization of Indigenous subsistence practices, as more people had to be supported from the resources of a smaller area. During the latter part of the Middle Archaic, technological innovations such as fish weirs have been documented as well as stone tools especially designed for the preparation of wild plant foods.

It is also during the latter part of the Middle Archaic Period that long-distance trade routes began to develop, spanning the northeastern part of the continent. In particular, native copper tools manufactured from a source located northwest of Lake Superior were being widely traded (Ellis et al. 1990: 66). By 5450 BP the local environment had stabilized in a near modern form (Ellis et al. 1990: 69).

During the Late Archaic (4450 – 2900 BP) the trend towards decreased territory size and a broadening subsistence base continued. Late Archaic sites are far more numerous than either Early or Middle Archaic sites, and it seems that the local population had definitely expanded. It is during the Late Archaic that more formal cemeteries appear.

The appearance of formal cemeteries during the Late Archaic has been interpreted as a response to increased population densities and competition between local groups for access to resources. It is argued that cemeteries would have provided strong symbolic claims over a local territory and its resources. These cemeteries are often located on heights of well-drained sandy/gravel soils adjacent to major watercourses.

This suggestion of increased territoriality is also consistent with the regionalized variation present in Late Archaic projectile point styles. It was during the Late Archaic that distinct local styles of projectile points appear. Also, during the Late Archaic the trade networks which had been established during the Middle Archaic continued to flourish. Native copper from northern Ontario and marine shell artifacts from as far away as the Mid-Atlantic coast are frequently encountered as grave goods. Other artifacts such as polished stone pipes and banded slate gorgets also appear on Late Archaic sites. One of the more unusual and interesting of the Late Archaic artifacts is the birdstone. Birdstones are small, bird-like effigies usually manufactured from green banded slate.

1.3.1.3 Woodland Period

The Early Woodland Period (2900 – 2350 BP) is distinguished from the Late Archaic Period primarily by the addition of ceramic technology. While the introduction of pottery provides a useful demarcation point for archaeologists, it may have made less difference in the lives of the Early Woodland peoples. The first pots were thick walled and friable. It has been suggested that they were used in the processing of nut oils by boiling crushed nut fragments in water and skimming off the oil. These vessels were not easily portable, and individual pots must not have enjoyed a long use life. There have also been numerous Early Woodland sites located at which no pottery was found, suggesting that ceramic vessels had yet to assume a central position in the day-to-day lives of Early Woodland peoples.

Other than the introduction of ceramic technology, the lifeways of Early Woodland peoples show a great deal of continuity with the preceding Late Archaic Period. For instance, birdstones continue to be manufactured, although the Early Woodland varieties have "pop-eyes" which protrude from the sides of their heads.

Likewise, the thin, well-made projectile points which were produced during the terminal part of the Archaic Period continue in use. However, the Early Woodland variants were side-notched rather than corner-notched, giving them a slightly altered and distinctive appearance.

The trade networks which were established in the Middle and Late Archaic also continued to function, although there does not appear to have been as much traffic in marine shell during the Early Woodland Period. During the last 200 years of the Early Woodland Period, projectile points manufactured from high quality raw materials from the American Midwest begin to appear on sites in southwestern Ontario.

In terms of settlement and subsistence patterns, the Middle Woodland (2350 – 1400 BP) provides a major point of departure from the Archaic and Early Woodland Periods. While Middle Woodland peoples still relied on hunting and gathering to meet their subsistence requirements, fish were becoming an even more important part of the diet.

In addition, Middle Woodland peoples relied much more extensively on ceramic technology. Middle Woodland vessels are often heavily decorated with impressed designs covering the entire exterior surface and upper portion of the vessel interior.

It is also at the beginning of the Middle Woodland Period that rich, densely occupied sites appear along the margins of major rivers and lakes. While these areas had been utilized by earlier peoples, Middle Woodland sites are significantly different in that the same location was occupied off and on for as long as several hundred years and large deposits of artifacts often accumulated. Unlike earlier seasonally utilized locations, these Middle Woodland sites appear to have functioned as base camps, occupied off and on over the course of the year. There are also numerous small upland Middle Woodland sites, many of which can be interpreted as special purpose camps from which localized resource patches were exploited. This shift towards a greater degree of sedentism continues the trend witnessed from at least Middle Archaic times and provides a prelude to the developments that follow during the Late Woodland Period.

The Late Woodland Period began with a shift in settlement and subsistence patterns involving an increasing reliance on corn horticulture (Fox 1990: 185; Smith 1990; Williamson 1990: 312). Corn may have been introduced into southwestern Ontario from the American Midwest as early as 1500 BP or a few centuries before. Corn did not become a dietary staple, however, until at least three to four hundred years later, and then the cultivation of corn gradually spread into south-central and southeastern Ontario.

During the early Late Woodland, particularly within the Princess Point Complex (circa 1450 – 900 BP), a number of archaeological material changes have been noted: the appearance of triangular projectile point styles, first seen during this period begin with the Levanna form; cord-wrapped stick decorated ceramics using the paddle and anvil forming technique replace the mainly coil-manufactured and dentate stamped and pseudo-scallop shell impressed ceramics; and if not appearance, increasing use of maize as a food source (e.g., Bursley 1995; Crawford et al. 1997; Ferris and Spence 1995: 103; Martin 2004 [2007]; Ritchie 1971: 31-32; Spence et al. 1990; Williamson 1990: 299).

The Late Woodland Period is widely accepted as the beginning of agricultural life ways in south-central Ontario. Researchers have suggested that a warming trend during this time may have encouraged the spread of maize into southern Ontario, providing a greater number of frost-free days (Stothers and Yarnell 1977). Further, shifts in the location of sites have also been identified with an emphasis on riverine, lacustrine and wetland occupations set against a more diffuse use of the landscape during the Middle Woodland (Dieterman 2001).

The first agricultural villages in southern Ontario date to the 10th century. Unlike the riverine base camps of the Middle Woodland Period, these sites are located in the uplands, on well-drained sandy soils. Village sites dating between 1050 – 650 BP share many attributes with the historically reported Late Woodland sites, including the presence of longhouses and sometimes palisades. However, these early longhouses typically smaller, averaging about 12.4 metres in length (Dodd et al. 1990: 349; Williamson 1990: 304-305). It is also quite common to find the outlines of overlapping house structures, suggesting that these villages were occupied long enough to necessitate re-building.

The Jesuits reported that the Huron moved their villages once every 10-15 years, when the nearby soils had been depleted by farming and conveniently collected firewood grew scarce (Pearce 2010). It seems likely that early Late Woodland peoples occupied their villages for considerably longer, as they relied less heavily on corn than did later groups, and their villages were much smaller, placing less demand on nearby resources.

Judging by the presence of carbonized corn kernels and cob fragments recovered from sub-floor storage pits, agriculture was becoming a vital part of the early Late Woodland economy (Crawford et al. 1997). However, it had not reached the level of importance it would in the middle Late and Late Woodland Periods. There is ample evidence to suggest that more traditional resources continued to be exploited and comprised a large part of the subsistence economy (Dodd et al. 1990).

The middle Late Woodland Period (650 – 550 BP) witnessed several interesting developments in terms of settlement patterns and artifact assemblages. Changes in ceramic styles have been carefully documented, allowing the placement of sites in the first or second half of this 100-year period (Dodd et al. 1990). Moreover, villages, which averaged approximately 0.6 ha in extent during the early Late Woodland Period, now consistently range between 1 and 2 ha (Dodd et al. 1990).

House lengths also change dramatically, more than doubling to an average of 30 m, while houses of up to 45 m have been documented. This increase in longhouse length has been variously interpreted. The simplest possibility is that increased house length is the result of a gradual, natural increase in population (Dodd et al. 1990: 323, 350, 357; Smith 1990). However, this does not account for the sudden shift in longhouse lengths around 650 BP. Other possible explanations involve changes in economic and socio-political organization (Dodd et al. 1990: 357).

One suggestion is that during the middle Late Woodland Period small villages were amalgamating to form larger communities for mutual defense (Dodd et al. 1990, p. 357). This hypothesis draws support from the fact that some sites had up to seven rows of palisades, indicating at least an occasional need for strong defensive measures. There are, however, other middle Late Woodland villages which had no palisades present (Dodd et al. 1990). More research is required to evaluate these competing interpretations.

Initially at least, the late Late Woodland Period (550 – 350 BP) continues many of the trends which have been documented for the preceding century. For instance, between 500 and 450 BP house lengths continue to grow, reaching an average length of about 62 m. One longhouse excavated on a site southwest of Kitchener was an incredible 123 m (Lennox and Fitzgerald 1990: 444-445). After 450 BP, house lengths begin to decrease, with houses dating between 400 – 320 BP averaging 30 m in length.

Village size also continues to expand throughout the late Late Woodland Period, with many of the larger villages showing signs of periodic expansions. The latter part of the middle Late Woodland Period and the first century of the late Late Woodland Period was a time of village amalgamation. One large village situated just north of Toronto has been shown to have expanded on no fewer than five occasions. These large villages were often heavily defended with numerous rows of wooden palisades, suggesting that defence may have been one of the rationales

for smaller groups banding together. Village expansion has been clearly documented at several late Late Woodland sites throughout southwestern and south-central Ontario. The excavations at the Lawson site, a large village located in southwestern Ontario, has shown that the original village was expanded by at least twenty percent to accommodate the construction of nine additional longhouses (Anderson 2009).

1.3.2 Post-Contact Period (350 to 100 BP)

The post-contact Indigenous occupation of southern Ontario was heavily influenced by the dispersal of various Iroquoian speaking peoples by the New York State Iroquois and the subsequent arrival of Algonkian-speaking groups from northern Ontario at the end of the 17th century and beginning of the 18th century (Schmalz 1991).

Following the introduction of Europeans to North America, the nature of First Nations settlement size, population distribution, and material culture shifted as settlers began to colonize the land. Despite this shift in First Nations lifeways, “written accounts of material life and livelihood, the correlation of historically recorded villages to their archaeological manifestations, and the similarities of those sites to more ancient sites have revealed an antiquity to documented cultural expressions that confirms a deep historical continuity to Iroquoian systems of ideology and thought” (Ferris 2009:114). As a result, First Nation peoples of southern Ontario have left behind archaeologically significant resources throughout southern Ontario which show continuity with past peoples, even if this connection has not been recorded in historical Euro-Canadian documentation.

The Study Area for the current Stage 1 Archaeological Assessment is situated within the former Township of Toronto Gore, County of Peel, now City of Brampton and City of Mississauga, Regional Municipality of Peel, Ontario. This geographic area was inhabited by the Mississauga First Nation at the time of initial Euro-Canadian contact and is situated within the area covered by the Treaty No. 13 (The Toronto Purchase).

Treaty No. 13: (The Toronto Purchase): August 1, 1805 – This treaty was negotiated to clarify the conditions of the Johnson-Butler Purchase made in 1787 and in incorporate York, the then capital of Upper Canada. The treaty covered approximately 250,800 acres and is described as follows:

“Commencing on the east bank of the south outlet of the River Etobicoke; thence up the same, following the several windings and turnings of the said river to a maple tree blazed on four sides at the distance of three miles and three-quarters, in a straight line from the mouth of the said river; thence north twenty-two degrees west twenty-four miles and one-quarter; then north sixty-eight degrees east fourteen miles; then south twenty-two degrees east twenty-eight miles, more or less, to Lake Ontario; then westerly along the water's edge of Lake Ontario to the eastern bank of the south outlet of the River Etobicoke, being the place of beginning, containing Two hundred and fifty thousand, eight hundred and eighty acres, together with all the woods and waters thereon.”

(Morris 1943, p. 21-22)

By 1821, the Mississauga First Nation had surrendered most of the Credit Indian Reserve lands set aside in 1805 in the final two “Credit Treaties.” In 1847, the remaining members of the Mississaugas relocated to the New Credit Reserve (now Mississaugas of the Credit First Nation) in Hagersville (Heritage Mississauga 2009). The geographic area now known as the City of Brampton and City of Mississauga has since been farmed, settled, and developed by families and communities of European descent.

1.3.3 Euro-Canadian Settlement Period

1.3.3.1 Toronto Gore Township, Peel County

Today's southern Ontario was within the old Province of Quebec and divided into four political districts: Lunenburg, Mechlenburg, Nassau, and Hesse. These became part of the Province of Upper Canada in 1791, and renamed the Eastern, Midland, Home, and Western Districts, respectively. The Study Area is within the former Nassau District, then later the Home District, which originally included all lands between an arbitrary line on the west running north from Long Point on Lake Erie to Georgian Bay, and a line on the east running north from Presqu'île Point on Lake Ontario to the Ottawa River. Each district was further subdivided into counties and townships, with the Study Area originally falling within west riding of York County, one of three 'new' sections (the other two being Albion and Caledon) ceded by the Mississauga people through treaty on October 28, 1818. York County was reorganized in 1851, with the west riding forming the County of Peel.

Peel County, named after Sir Robert Peel, was created in 1852 and was composed of the Townships of Toronto, Chinguacousy, Toronto Gore, Albion, and Caledon. Two years later, in 1854, Ontario County separated leaving York and Peel, which were administered out of the City of Toronto. Peel County officially separated from York in 1867, as they had the essential administrative buildings; a courthouse with a council chamber and a jail (Peel Archives n.d).

Toronto Gore opened for settlement in 1820, with all lands available for sale. This was unlike the adjacent townships of Chinguacousy, Albion, and Caledon in which parcels of land were available to settlers as free land grants with the requirements to improve the land. As land in Toronto Gore was expensive, in comparison with the adjacent townships free land grants, settlement growth was slow and delayed land improvement. By the 1830's land prices regulated, increasing settlement and agricultural practices in the area (Mays 1979).

1.3.4 Study Area Surveys (1800s)

The Study Area is located within part of Lots 14 and 15, Concession 8 and part of Lots 14 and 15, Concession 9, within the former Township of Toronto Gore. To better understand the 19th century land use history of the Study Area, a review of the 1859 George Tremaine "*Tremaine's Map of the County of Peel*" (Map 2) and the 1877 J.H. Pope "*Illustrated Historical Atlas of the County of Peel, Ontario*" (Map 3) was completed and summarized below.

The 1859 "*Tremaine's Map of the County of Peel*" illustrates William Porter as owning the Lot 14, Concession 9. At this time, there are no structures illustrated on the property. Lot 15, Concession 9 as well as the east half of Lot 14 and the full 200 acres of Lot 15, Concession 8 are illustrated as being owned by John P de la Haye Esq. Four structures are illustrated on de la Hayes lands. Two structures are located on Lot 15, Concession 9 and two structures are located on the west portion of Lot 15, Concession 8 (Map 2).

By 1877, the west of Lot 15, Concession 9 is illustrated as being owned by William Porter; a structure and an orchard are illustrated on the property. The eastern half of Lot 15, Concession 9 is depicted as being owned by John Button. Lot 14, Concession 9 is still owned by William Porter and a structure with an orchard is illustrated on the banks of the Humber River. Lot 14, Concession 8 is illustrated as being parcelled into three smaller properties. William Watson is illustrated as owning the southeastern half of Lot 14, Concession 8; William Porter is depicted as owning a portion of the lot, and Dr. J.A McKay is illustrated as owning the northern quarter of the lot. The east half of Lot 15, Concession 8 is illustrated as the Estate of John P de la Hayes, no structures are depicted on this property, at this time (Map 3).

A review of the 1954 and 1969 aerial photographs shows the Study Area to be undeveloped. The Study Area is made up of mostly agricultural fields with small patches of forestland. In 1969, the CN railway is depicted on the map and runs southwest to northwest through the middle of the Study Area (Map 4). The 1909, 1922, 1938, and 1942 historical topographic maps show that the area is not developed and consists of only agricultural fields and small woodlots (Map 5).

1.4 Archaeological Context

1.4.1 Existing Conditions

The Study Area occupies an area of 31.42 ha within parts of Lots 14 and 15, Concession 8, and Lots 14 and 15, Concession 9 Southern Division, in the Former Geographic Township of Toronto Gore, County of Peel, now the Cities of Brampton and Mississauga, Regional Municipality of Peel, Ontario. Currently, the Study Area consists of roadways, parking lots, infrastructure, commercial lots to the north, a campground, and residential areas to the south. There is a CN railway line running southwest to northwest through the middle of the Study Area. The topography of the area is fairly flat and trends slightly lower towards Lake Ontario to the south with an average elevation range of 168 – 172 m asl.

1.4.2 Physiography

The Study Area is in southcentral Ontario, approximately 20 km northwest of Lake Ontario within the Peel Plains physiographic region. The Peel Plains is described as:

“The Peel plain is a level-to-undulating tract of clay soils covering 300 square miles across the central portions of the Regional Municipalities of York, Peel, and Halton. The general elevation is from 500 to 750 feet a.s.l. and there is a gradual and fairly uniform slope toward Lake Ontario. Across this plain the Credit, Humber, Don, and Rouge Rivers have cut deep valleys, as have other streams such as the Bronte, Oakville, and Etobicoke Creeks.”

(Chapman and Putnam 1984:174)

The soils within the Study Area consist of Peel clay, Malton clay, and alluvial bottom lands (Map 6). The Peel clay soil complex is described as having gently sloping topography. (Hoffman and Wicklund 1953). Peel clay occurs in large areas within the former township of Toronto Gore and has imperfect drainage. This soil type is conducive to growing cereal grains such as corn and flax. (Hoffman and Wicklund 1953). The Malton clay soil complex is described as a poorly drained, stone free clay with gently sloping topography. General farming and dairy farming are the most common agricultural practices found on Malton clay. This soil type is conducive to the growing of cereal grains and is well suited for the production of hay (Hoffman and Wicklund 1953). Alluvial bottom land deposits are generally subject to flooding as drainage is largely poor, however, bottom lands can be used for pasture (Hoffman and Wicklund 1953).

The Study Area is adjacent to several watercourses that drain into Lake Ontario. The Humber River, which flows through the Claireville Reservoir and dam is located approximately 20 m from the southeastern boundary and approximately 300 m from the northeastern boundary of the Study Area. Mimico Creek is located approximately 120 m from the western edge of the Study Area.

1.4.3 Registered Archaeological Sites

The primary source of information regarding known archaeological sites in the vicinity of the Study Area was the OASD, which was consulted on October 19, 2021. The search identified a total of 95 registered archaeological sites located within 1 km of the Study Area (Table 2). The search of the OASD indicated AkGv-198 was within 300 m of the Study Area, based on the GPS information and was located within the Wet ‘n’ Wild Water Park, though the site description on the Site Form was contradictory. The report mapping was consulted, and the site was determined to be on the north side of the 407 ETR highway, which puts AkGv-198 more than 300 m of the Study Area. There are no archaeological sites within 300 m of the Study Area.

Table 2: Registered Archaeological Sites within 1 km of the Study Area

Borden Number	Name	Time Period	Cultural Affiliation	Site Type	Current Development Review Status
AlGw-79	-	Unknown	Indigenous	Unknown	No Further CHVI
AkGv-75	Familiaris	Paleo-Indian, Late	Indigenous	Other camp/campsite	-
AkGv-258	Claireville 55	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-246	Claireville 42	Post-Contact	-	Unknown	No Further CHVI
AkGv-245	Claireville 41	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-244	Claireville 40	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-243	Claireville 39	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-238	Claireville 34	Pre-Contact Indigenous	Indigenous	Unknown	No Further CHVI
AkGv-217	Claireville 12	Pre-Contact Indigenous	Indigenous	Unknown	No Further CHVI
AkGv-214	Claireville 9	Pre-Contact Indigenous	Indigenous	Unknown	No Further CHVI
AkGv-213	Claireville 8	Pre-Contact Indigenous	Indigenous	Unknown	No Further CHVI
AkGv-212	Claireville 7	Post-Contact	-	Unknown	Further CHVI
AkGv-210	Claireville 5	Post-Contact	-	Unknown	No Further CHVI
AkGv-209	Claireville 3	Pre-Contact Indigenous	Indigenous	Unknown	No Further CHVI
AkGv-208	Claireville 1	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-206	Claireville 44	Pre-Contact Indigenous	Indigenous	camp / campsite	No Further CHVI
AkGv-204	-	Pre-Contact Indigenous	Indigenous	Unknown	No Further CHVI
AkGv-198	-	Post-Contact	-	Unknown	Further CHVI
AkGw-461	-	Post-Contact	-	-	-
AkGw-423	-	Post-Contact	Euro-Canadian	Agricultural	No Further CHVI
AkGw-4	Grahamsville	Post-Contact	Euro-Canadian	Farmstead	-
AkGv-79	Sunshine	Pre-Contact Indigenous	Indigenous	Other Camp/Campsite	-
AkGv-78	Vulpes	Pre-Contact Indigenous	Indigenous	Unknown	-
AkGv-77	Syvil	Woodland	Indigenous	camp / campsite	-
AkGv-76	Inner	Pre-Contact Indigenous	Indigenous	Unknown	-
AkGv-350	P4	Archaic, Early	Indigenous	scatter	Further CHVI
AkGv-349	P3	Pre-Contact	Indigenous	scatter	No Further CHVI
AkGv-344	Site 3	Post-Contact		Unknown	Further CHVI

Borden Number	Name	Time Period	Cultural Affiliation	Site Type	Current Development Review Status
AkGv-343	Site 1	Pre-Contact	Indigenous	Unknown	Further CHVI
AkGv-340	Humber Plantings Site 1	Archaic	Indigenous	findspot	Further CHVI
AkGv-33	Weatherspoon 2	Pre-Contact Indigenous	-	Other/findspot	-
AkGv-329	-	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-328	-	Pre-Contact Indigenous	Indigenous	scatter	Further CHVI
AkGv-327	-	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-317	-	Post-Contact	Euro-Canadian	midden	-
AkGv-295	AkGv-295	Post-Contact	Euro-Canadian	Unknown	No Further CHVI
AkGv-281	Claireville 59	Pre-Contact Indigenous	Indigenous	findspot	-
AkGv-280	Claireville 58	Pre-Contact Indigenous	Indigenous	Other camp/campsite	-
AkGv-279	Woodbine	Post-Contact	Euro-Canadian	homestead	No Further CHVI
AkGv-273	Maltby	Post-Contact	Euro-Canadian	Unknown	Further CHVI
AkGv-259	Claireville 56	Pre-Contact Indigenous	Indigenous	Unknown	No Further CHVI
AkGv-257	Claireville 54	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-256	Claireville 53	Post-Contact	-	Unknown	Further CHVI
AkGv-255	Claireville 52	Post-Contact	-	Unknown	Further CHVI
AkGv-254	Claireville 51	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-253	Claireville 50	Post-Contact	-	Unknown	Further CHVI
AkGv-252	Claireville 49	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-251	Claireville 48	Post-Contact	-	Unknown	Further CHVI
AkGv-250	Claireville 47	Woodland	Indigenous	camp / campsite	Further CHVI
AkGv-25	John Wray	-	-	-	-
AkGv-248	Claireville 45	Pre-Contact Indigenous	Indigenous	camp / campsite	Further CHVI
AkGv-247	Claireville 43	Woodland, Middle	Indigenous	camp / campsite	No Further CHVI
AkGv-242	Claireville 38	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-241	Claireville 37	Woodland, Early	Indigenous	Unknown	No Further CHVI
AkGv-240	Claireville 57	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-239	Claireville 35	Pre-Contact Indigenous	Indigenous	Unknown	No Further CHVI
AkGv-237	Claireville 32	Pre-Contact Indigenous	Indigenous	Unknown	No Further CHVI

Borden Number	Name	Time Period	Cultural Affiliation	Site Type	Current Development Review Status
AkGv-236	Claireville 31	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-235	Claireville 30	Post-Contact	-	Unknown	Further CHVI
AkGv-234	Claireville 29	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-233	Claireville 28	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-232	Claireville 27	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-231	Claireville 26	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-230	Claireville 25	Post-Contact	-	Unknown	Further CHVI
AkGv-229	Claireville 24	Paleo-Indian	Indigenous	Unknown	Further CHVI
AkGv-228	Claireville 23	Archaic, Early	Indigenous	Unknown	Further CHVI
AkGv-227	Claireville 22	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-226	Claireville 21	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-225	Claireville 20	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-224	Claireville 19	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-223	Claireville 18	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-222	Claireville 17	Post-Contact	-	Unknown	Further CHVI
AkGv-221	Claireville 16	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-220	Claireville 15	Post-Contact	-	Unknown	Further CHVI
AkGv-219	Claireville 14	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-218	Claireville 13	Post-Contact	-	Unknown	Further CHVI
AkGv-216	Claireville 11	Post-Contact	-	Unknown	Further CHVI
AkGv-215	Claireville 10	Post-Contact	-	Unknown	No Further CHVI
AkGv-211	Claireville 6	Post-Contact	-	Unknown	Further CHVI
AkGv-207	Claireville 4	Post-Contact	-	Unknown	No Further CHVI
AkGv-205	Claireville 2	Archaic, Middle	Indigenous	camp / campsite	No Further CHVI
AkGv-201	Topbank Site	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-200	Wray	Post-Contact	Euro-Canadian	homestead	Further CHVI
AkGv-197	-	Post-Contact	-	Unknown	Further CHVI
AkGv-196	-	Post-Contact	-	Unknown	Further CHVI
AkGv-194	Townley	Post-Contact	Euro-Canadian	homestead	Further CHVI
AkGv-174	CCA-20-1	Pre-Contact Indigenous, Post-Contact	Indigenous, Euro-Canadian	findspot, homestead	-

Borden Number	Name	Time Period	Cultural Affiliation	Site Type	Current Development Review Status
AkGv-135	Highway 407 Operations Centre 2	Pre-Contact Indigenous	Indigenous	findspot	No Further CHVI
AkGv-134	Highway 407 Operations Centre 1	Archaic, Late, Woodland, Early	Indigenous	findspot	No Further CHVI
AkGv-123	Legu	Paleo-Indian	Indigenous	camp / campsite	-
AkGv-122	Drizzle	-	-	-	-
AkGv-121	ROW	Archaic	Indigenous	Unknown	-
AkGv-120	Static	Pre-Contact Indigenous	Indigenous	Unknown	Further CHVI
AkGv-119	Flood	Post-Contact	Algonkian, Mississauga	scatter	-
AkGv-118	Tegis	Archaic	Indigenous	Other camp/campsite, processing	-

“-“ denotes information was not available on the OASD

1.4.4 Previous Archaeological Assessments

At the time of writing this report, a search of all reports on the MCM's Past Portal corresponding to the County, Township and Region, identified two previous archaeological assessment that was undertaken within 50 m of the Study Area (Map 7). The results of these assessments are summarized below.

In 2013, Toronto and Region Conservation Authority (TRCA) completed a Stage 1 and 2 Archaeological Assessment for a proposed replacement of an existing Enbridge gas pipeline. The assessment included a small portion of land along the rail line within the water park property. The Stage 2 test pit survey was conducted at 5 m intervals and no archaeological resources were recovered (TRCA 2014). No further assessment was recommended for the Study Area (TRCA 2014).

In 2014, a Stage 1 Archaeological Assessment was completed by Golder Associates Ltd., as part of the King's North Connection Pipeline Project for TransCanada PipeLine Limited, in support of a proposed new natural gas transmission pipeline located across various Lots and Concession within York County and Peel County (Golder 2015). The Stage 1 desktop survey included a 24-ha area which covered the northeastern half of the current Study Area. The results of the desktop survey determined that portions of the Study Area have archaeological potential, which were recommended for further assessment. There were other areas identified as having extensive disturbance and no further assessment was recommended (Golder 2015).

1.4.5 Cultural Heritage Resources

A review of the City of Brampton's *Municipal Register of Cultural Heritage Resources* indicated that there are no potential cultural heritage resources within the Study Area (City of Brampton 2021).

1.4.6 Cemeteries

There are no cemeteries within 300 m of the Study Area (City of Brampton 2022).

2.0 FIELD METHODS

2.1 Property Inspection of Proposed Design Alternatives

As part of this Stage 1 Archaeological Assessment, a property inspection was conducted on 20 October 2022, 2022, under archaeological consulting license P468, issued to Rhiannon Fisher by the MCM (PIF# P468-0108-2022). Sarah News (R485), delegated licensed staff archaeologist from WSP, assumed responsibility of undertaking the archaeological fieldwork within the Study Area as per Section 12 of the MCM 2013 *Terms and Conditions for Archaeological Licences*, issued in accordance with clause 48(4)(d) of the *Ontario Heritage Act* (Government of Ontario 1990). The inspection was undertaken to gain first-hand knowledge of the of the four design alternatives within the larger Study Area, to determine if there were areas of disturbance that would affect archaeological potential, and to determine what survey strategies would be appropriate for a Stage 2 Archaeological Assessment, should it be required.

The weather during the property inspection was 6° C and overcast with light flurries. At no time were field conditions found to be detrimental to the identification of archaeological potential. Permission to enter was granted by the client and the Toronto Region Conservation Authority.

The property inspection was carried out systematically to identify the presence or absence of archaeological potential. Photographic images of the Study Area are presented within Section 7.0. Location and orientation information of photographs is provided on Map 8.

2.1.1 Proposed Design Alternative A

Proposed design Alternative A is located in the northwest portion of the Study Area, along the west side of Finch Avenue West and the north side of the CN Rail line (Map 8; Image 1 to Image 6). It contains the proposed locations for a new control station and pumping station and is associated with three access route alternatives.

This area is largely commercial with areas of manicured lawn and asphalt sidewalk, along with road signage, utility poles and minor landscaping. An area of steep slope is also located along the west side of Finch Avenue West as it approaches the overpass for the CN Rail line. A gas line and sewer grate were also observed within proposed Alternative A.

2.1.2 Proposed Design Alternative B

Proposed design Alternative B is located in the northeast portion of the Study Area, along the east side of Finch Avenue West and the north side of the CN Rail line (Map 8; Image 7 to Image 9). It too is commercial in nature and contains areas of manicured lawn, overgrown scrub land, and concrete sidewalks.

2.1.3 Proposed Design Alternative C

Proposed design Alternative C is located in the southeast portion of the Study Area, along the east side of Finch Avenue West and the south side of the CN Rail line (Map 8; Image 10 to Image 11). It primarily contains areas of manicured lawn and concrete sidewalk, along with road signage, utility poles and existing sewer installations. The terrain was steeply sloped along the east side of Finch Avenue West.

2.1.4 Proposed Design Alternative D

Proposed design Alternative D is located in the southwest portion of the Study Area, along the west side of Finch Avenue West and the south side of the CN Rail line (Map 8; Image 12). It contains an area of manicured lawn and asphalt sidewalk in addition to steeply sloped terrain along the west side of Finch Avenue West.

3.0 ANALYSIS AND CONCLUSIONS

Archaeological potential is established by determining the likelihood that archaeological resources may be present within a property. In accordance with the MCM's 2011 *Standards and Guidelines for Consultant Archaeologists*, the following are features or characteristics that indicate archaeological potential:

- Previously identified archaeological sites;
- Water sources;
 - Primary water sources (lakes, rivers, streams, creeks);
 - Secondary water sources (intermittent streams and creeks; springs; marshes; swamps);
 - Features indicating past water sources (e.g., glacial lake shorelines indicated by the presence of raised gravel, sand, or beach ridges; relic river or stream channels indicated by clear dip or swale in the topography; shorelines of drained lakes or marshes; and cobble beaches);
 - Accessible or inaccessible shoreline (e.g., high bluffs, swamps or marsh fields by the edge of a lake; sandbars stretching into marsh);
- Elevated topography (eskers, drumlins, large knolls, plateaux);
- Pockets of well drained sandy soil, especially near areas of heavy soil or rocky ground; Distinctive land formations that might have been special or spiritual places, such as waterfalls, rock outcrops, caverns, mounds, and promontories and their bases (there may be physical indicators of their use, such as burials, structures, offerings, rock paintings or carvings);
- Resource areas including:
 - Food or medicinal plants;
 - Scarce raw materials (e.g., quartz, copper, ochre or outcrops of chert);
 - Early Euro-Canadian industry (fur trade, mining, logging);
- Areas of Euro-Canadian settlement; and,
- Early historical transportation routes.

In recommending a Stage 2 property survey based on determining archaeological potential for an area, the MCM stipulates the following:

- No areas within 300 m of a previously identified site; water sources; areas of early Euro-Canadian settlement; or locations identified through the knowledge or informants can be recommended for exemption from further assessment;
- No areas with 100 m of early transportation routes can be recommended for exemptions from further assessment; and,
- No areas within the property containing an elevated topography; pockets of well-drained sandy soil; distinctive land formations; or resource areas can be recommended for exemption from further assessment.

3.1 Potential for Indigenous Archaeological Resources

Potential for Indigenous archaeological sites is established by determining the likelihood that archaeological resources may be present in a Study Area. Archaeological potential criteria commonly used by the MCM (2011) were applied to determine areas of archaeological potential within the Study Area. These variables include distance to previously identified archaeological sites, distance to various types of water sources, drainage, soil type, glacial geomorphology, and the general topographic variability of the area.

In archaeological potential modelling, a distance to water criterion of 300 m is generally employed for water sources, including lakeshores, rivers, creeks, and swamps. The Humber River, a primary water source flows north to south, through the Claireville Reservoir, approximately 300 m from the northeastern boundary and approximately 20 m from the eastern boundary of the Study Area and empties into Lake Ontario. Mimico Creek is located approximately 120 m to the west of the Study Area, and also empties into Lake Ontario. Water sources in the Study Area would have provided potable water, transportation, as well as plant and food resources, which would have supported past human settlement of the area.

Soil texture can be an important determinant of past settlement, usually in combination with other factors, such as topography. The Study Area is situated within the Peel Plains physiographic region which is described as a “level to undulating tract of clay soils” (Chapman and Putnam 1984: 174). The Peel clay soil complex would have supported past human settlement and various forms of land use, for the production of cereal grains like corn or flax and would have been ideal for hunting/gathering activities or are reserved for pastureland or other non-crop growing activities. The topography of the Study Area is level to undulating and ranges from approximately 168 – 172 m asl (Hoffman and Wicklund 1953).

Furthermore, the MCM stipulates that, areas within 300 m of previously identified archaeological sites to be of high archaeological potential. A review of the OASD maintained by the MCM identified 95 known archaeological sites located within 1 km of the Study Area, though none were within 300 m of the Study Area.

When the above noted archaeological potential criteria are applied to the Study Area, archaeological potential exists for the identification of pre-contact Indigenous archaeological resources.

3.2 Potential for Euro-Canadian Archaeological Resources

The criteria used by the MCM to determine potential for historical archaeological sites include the presence of: 1) particular, resource-specific features that would have attracted past subsistence or extractive uses; 2) areas of initial, non-Indigenous settlement; 3) early historical transportation routes; 4) previously identified archaeological sites; and 5) properties designated under the Ontario Heritage Act (MCM 2011).

In addition to the Study Area being located in proximity to resource-specific features such as water sources and soil types conducive for past human settlement as stated above, it is located in proximity to numerous historical Euro-Canadian settlements and occupies a considerable amount of land that could potentially hold cultural heritage resources. The 1859 “*Tremaine’s Map of the County of Peel*” illustrates William Porter as owning the Lot 14, Concession 9. At this time, there are no structures illustrated on the property. Lot 15, Concession 9 as well as the east half of Lot 14 and the full 200 acres of Lot 15, Concession 8 are illustrated as being owned by John P de la Haye Esq. Three structures are illustrated on de la Hayes lands. Two structures are located on Lot 15, Concession 9 and one structure is located on the northwest portion of Lot 15, Concession 8.

By 1877, the west of Lot 15, Concession 9 is illustrated as being owned by William Porter; a structure and an orchard are illustrated on the property. The eastern half of Lot 15, Concession 9 is depicted as being owned by John Button. Lot 14, Concession 9 is still owned by William Porter and a structure with an orchard is illustrated on

the banks of the Humber River. Lot 14, Concession 8 is illustrated as being parcelled into three smaller properties. William Watson is illustrated as owning the southeastern half of Lot 14, Concession 8; William Porter is depicted as owning a portion of the lot, and Dr. J.A McKay is illustrated as owning the northern quarter of the lot. The east half of Lot 15, Concession 8 is illustrated as the Estate of John P de la Hayes, no structures are depicted on this property, at this time.

Areas of early Euro-Canadian settlements (e.g., pioneer homesteads, isolated cabins, farmstead complexes, early wharf or dock complexes, pioneer churches, and early cemeteries), early historic transportation routes (e.g., trails, passes, roads, railways, portage routes), and properties that local histories or informants have identified with possible archaeological sites, historical events, activities, or occupations, are considered features of archaeological potential.

Furthermore, the MCM stipulates that areas within 300 m of previously identified archaeological sites have archaeological potential. A review of the OASD maintained by the MCM identified 95 known archaeological sites located within 1 km of the limits of the Study Area, though none are within 300 m of the Study Area.

When the above noted archaeological potential criteria are applied to the Study Area, archaeological potential exists for the identification of historical Euro-Canadian archaeological resources.

3.3 Archaeological Integrity

A negative indicator of archaeological potential is extensive below-grade land disturbance. This includes widespread earth movement activities that would have removed or relocated any archaeological resources to such a degree that their information potential and cultural heritage value or interest has been lost.

Activities that are recognized to cause sufficient disturbance to remove archaeological potential include: quarrying, major landscaping involving grading below topsoil, building footprints, and infrastructure development. Activities including agricultural cultivation, gardening, minor grading, and landscaping do not necessarily removed archaeological potential (MCM 2011: 18). Area of disturbance within the Study Area include previously developed areas with building footprints, paved parking lots, roadways, underground utilities, and the CN Rail line.

Furthermore, a storm sewer replacement project was completed within the Study Area along Finch Avenue from 150 m south of Steeles Avenue to Highway 427. The project design was provided by the client, which involved digging an approximately 5 m wide trench, as well as resurfacing and relocating certain features, such as sidewalks (Maps 8 and 9). Several Enbridge pipelines have also been installed within the Study Area; however, the method of installation is unknown at this time, and therefore this area would need to be investigated to determine the extent of the disturbance (Map 9).

4.0 RECOMMENDATIONS

The Stage 1 Archaeological Assessment and property inspection found that portions of the Study Area exhibited potential for the recovery of pre- and post-contact Indigenous and Euro-Canadian historical archaeological resources. Based on these findings, the following recommendations are provided.

- 1) Portions of the Study Area identified as having archaeological potential on Map 8 should be subject to Stage 2 Archaeological Assessment survey prior to anticipated ground disturbing activities associated with the proposed upgrades to the Finch Stormwater Pumping Station. The survey should include shovel test pitting at 5 m intervals in accordance with Section 2.1.2 of the MCM's *Standards and Guidelines for Consultant Archaeologists* (2011). If areas of archaeological potential within the Study Area are not anticipated to be impacted by ground disturbing activities associated with the proposed upgrades to the Finch Stormwater Pumping Station (i.e., areas outside of proposed Alternatives A, B, C, and D), then they do not require Stage 2 Archaeological Assessment survey at this time but will require Stage 2 survey prior to any future planned impacts.
- 2) Portions of the Study Area associated with proposed Alternatives A, B, C, and D that have been identified as previously disturbed or steeply sloped on Map 8 do not require further archaeological assessment.
- 3) Portions of the Study Area outside of proposed Alternatives A, B, C, and D that have been identified as previously disturbed or steeply sloped should be subject to property inspections to confirm they are areas of low archaeological potential not requiring Stage 2 Archaeological Assessment. If the property inspections confirm low archaeological potential within these areas, then no further assessment is required. If the property inspections determine that there is archaeological potential, then Stage 2 Archaeological Assessment should be completed prior to development/ construction impacts.

The MCM is requested to review and provide a letter indicating their satisfaction with the results and recommendations presented herein, with regard to the 2011 *Standards and Guidelines for Consultant Archaeologists* and the terms and conditions for archaeological licences, and to enter this report into the Ontario Public Register of Archaeological Reports.

5.0 ADVICE ON COMPLIANCE WITH LEGISLATION

This report is submitted to the Minister of Citizenship and Multiculturalism, as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18. The report is reviewed to ensure that it complies with the standards and guidelines that are issued by the Minister, and that the archaeological fieldwork and report recommendations ensure the conservation, protection, and preservation of the cultural heritage of Ontario. When all matters relating to archaeological sites within the project area of a development proposal have been addressed to the satisfaction of the MCM, a letter will be issued by the ministry stating that there are no further concerns with regard to alterations to archaeological sites by the proposed development.

It is an offence under Sections 48 and 69 of the *Ontario Heritage Act* for any party other than a licensed archaeologist to make any alteration to a known archaeological site or to remove any artifact or other physical evidence of past human use or activity from the site, until such time as a licensed archaeologist has completed archaeological fieldwork on the site, submitted a report to the Minister stating that the site has no further cultural heritage value or interest, and the report has been filed in the Ontario Public Register of Archaeology Reports referred to in Section 65.1 of the *Ontario Heritage Act*.

Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48 (1) of the *Ontario Heritage Act*. The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out archaeological fieldwork, in compliance with Section 48 (1) of the *Ontario Heritage Act*.

The *Funeral, Burial and Cremation Services Act*, 2002, S.O. 2002, c.33, requires that any person discovering or having knowledge of a burial site shall immediately notify the police or coroner. It is recommended that the Registrar of Cemeteries at the Ontario Ministry of Consumer Services is also immediately notified.

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7.0 IMAGES



Image 1: View of grassed margin along west side of Finch Avenue West, within Proposed Design Alternative A, identifying archaeological potential, facing south. 20 October 2022



Image 2: View of grassed margin along west side of Finch Avenue West, identifying archaeological potential, within Proposed Design Alternative A, facing south. 20 October 2022



Image 3: View of grassed margin along west side of Finch Avenue West within Proposed Design Alternative A, identified as having archaeological potential, facing south. 20 October 2022



Image 4: View of current pumping station along west side of Finch Avenue West, within Proposed Design Alternative A, facing south. 20 October 2022



Image 5: View of slope on west side of Finch Avenue West, within Proposed Design Alternative A, facing south. 20 October 2022



Image 6: View of buried infrastructure along west side of Finch Avenue West, within Proposed Design Alternative A, facing south. 20 October 2022



Image 7: View of grassed margin along east side of Finch Avenue West within Proposed Design Alternative B, identified as having archaeological potential, facing south. 20 October 2022



Image 8: View of overgrown/treed area identified as having archaeological potential, within Proposed Design Alternative B, facing west. 20 October 2022



Image 9: View of overgrown/treed area identified as having archaeological potential, within Proposed Design Alternative B, facing south. 20 October 2022



Image 10: View of slope and road disturbance along east side of Finch Avenue West, within Proposed Design Alternative C, facing northeast. 20 October 2022



Image 11: View of disturbance associated with existing infrastructure along east side of Finch Avenue West, within Proposed Design Alternative C, facing northeast. 20 October 2022

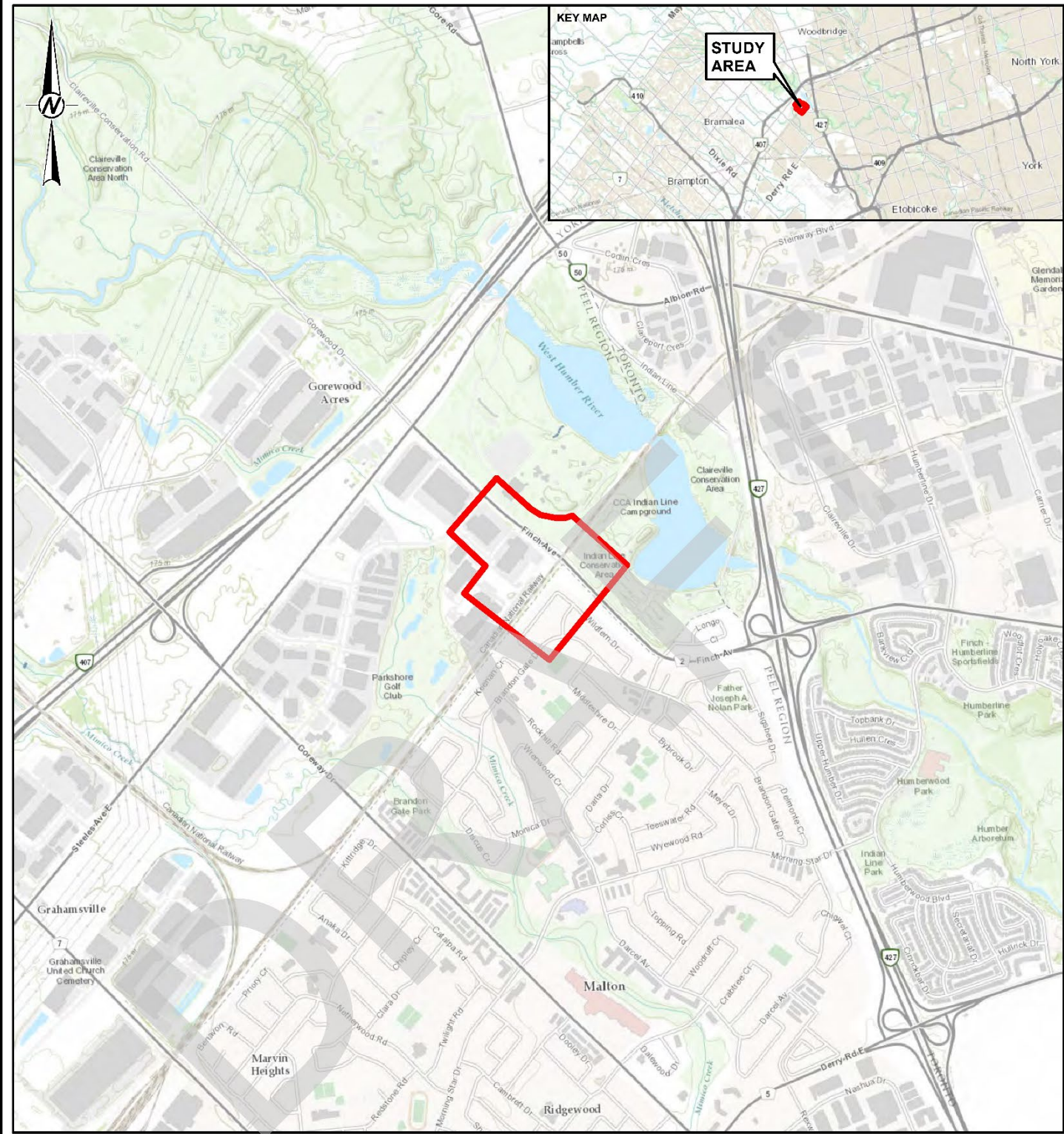
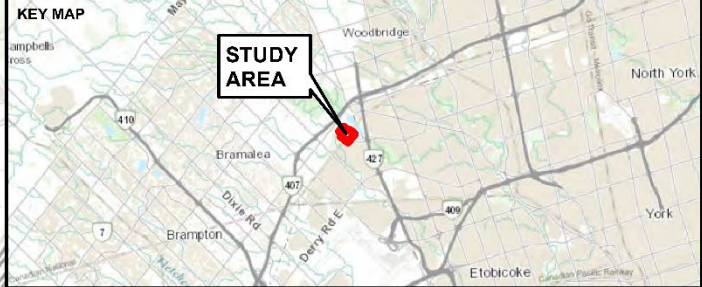


Image 12: View of slope along west side of Finch Avenue West, within Proposed Design Alternative D, facing south. 20 October 2022

8.0 MAPS

All maps will follow on succeeding pages.

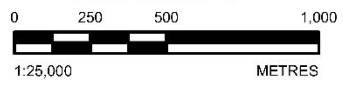
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 STUDY AREA

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NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
 2. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT

GM BLUEPLAN ENGINEERING LIMITED

PROJECT

STAGE 1 ARCHAEOLOGICAL ASSESSMENT
 REGION OF PEEL, MUNICIPAL CLASS EA

TITLE

LOCATION OF STUDY AREA ON TOPOGRAPHIC MAP

CONSULTANT



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APPROVED	----

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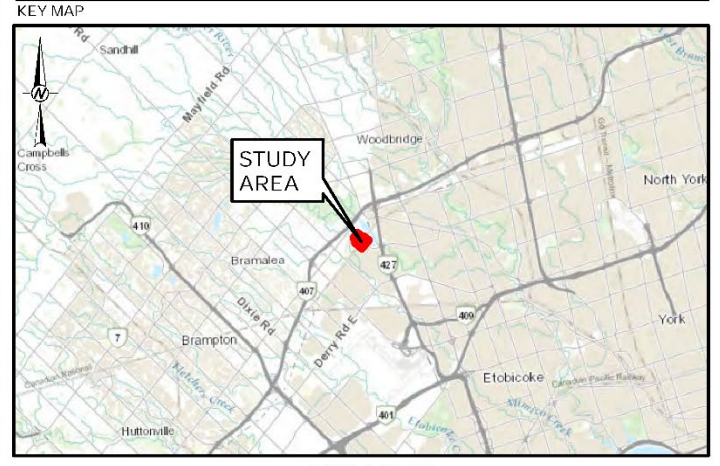
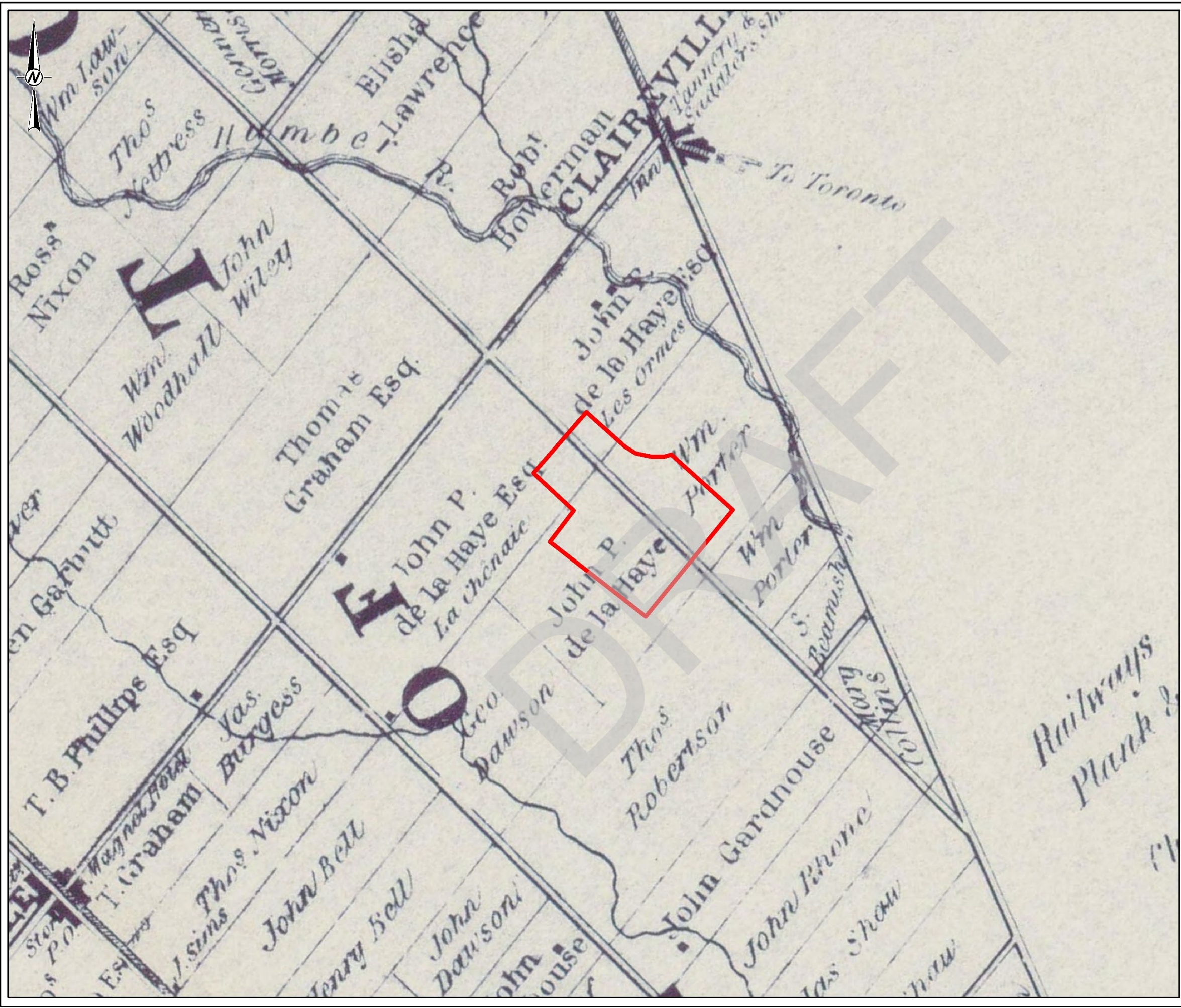
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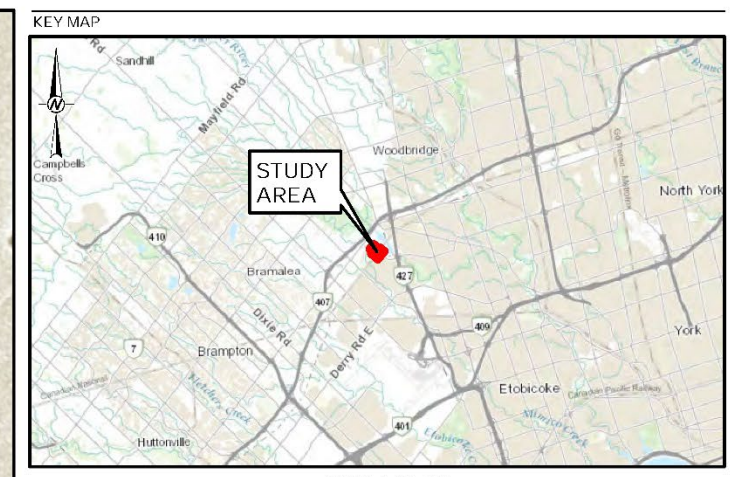
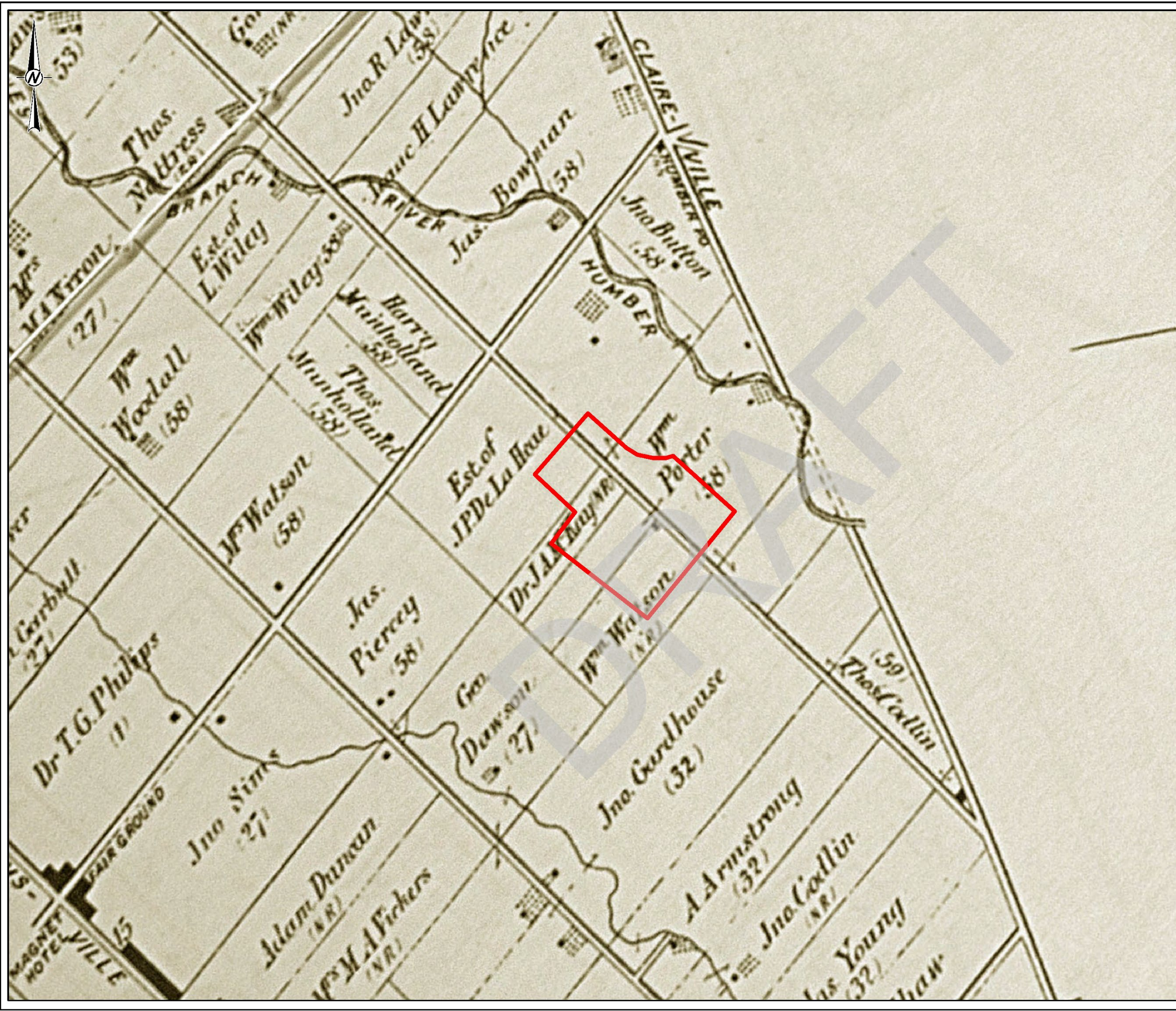
NOTE(S)
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GM BLUEPLAN ENGINEERING LIMITED			
PROJECT			
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TITLE			
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WSP GOLDER	DESIGNED	---	
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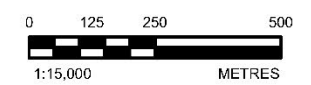
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LEGEND
 STUDY AREA

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 REGION OF PEEL, MUNICIPAL CLASS EA

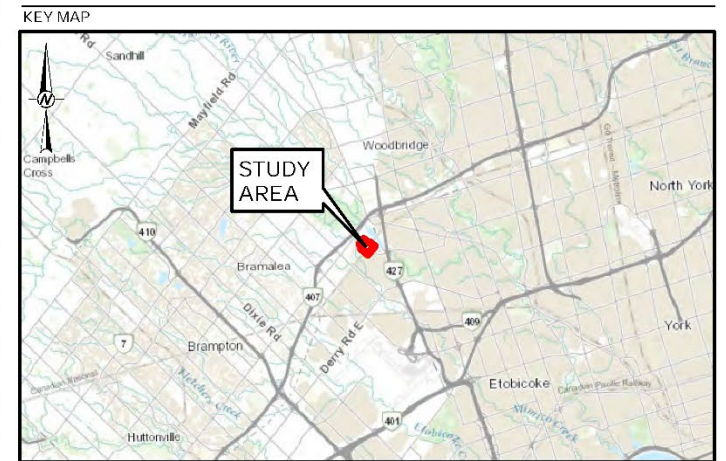
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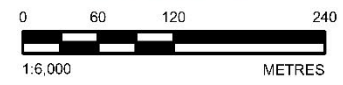


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 Study Area

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GM BLUEPLAN ENGINEERING LIMITED

PROJECT

STAGE 1 ARCHAEOLOGICAL ASSESSMENT
REGION OF PEEL, MUNICIPAL CLASS EA

TITLE

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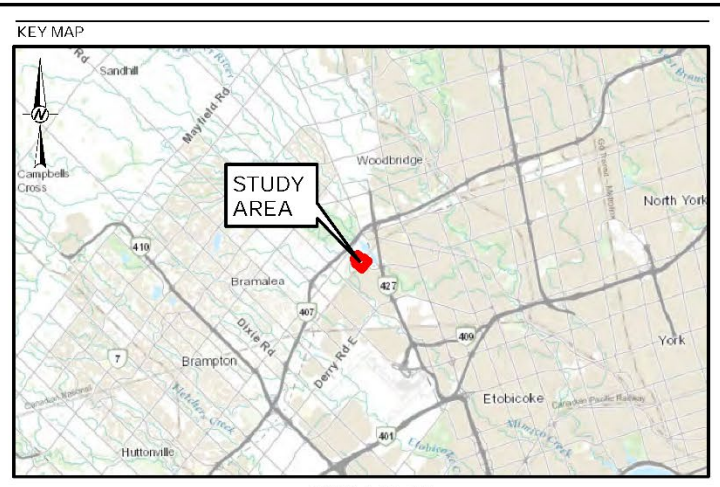
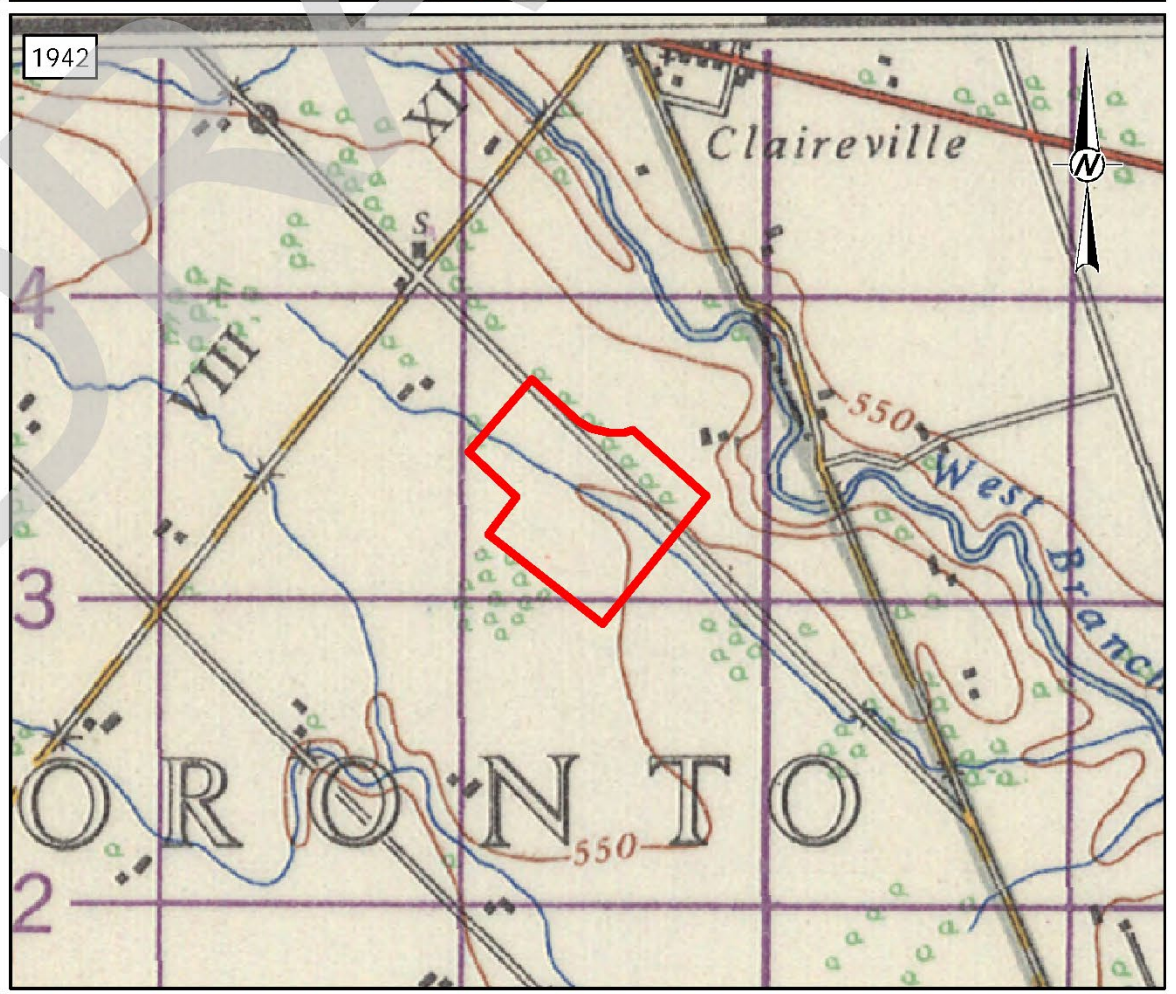
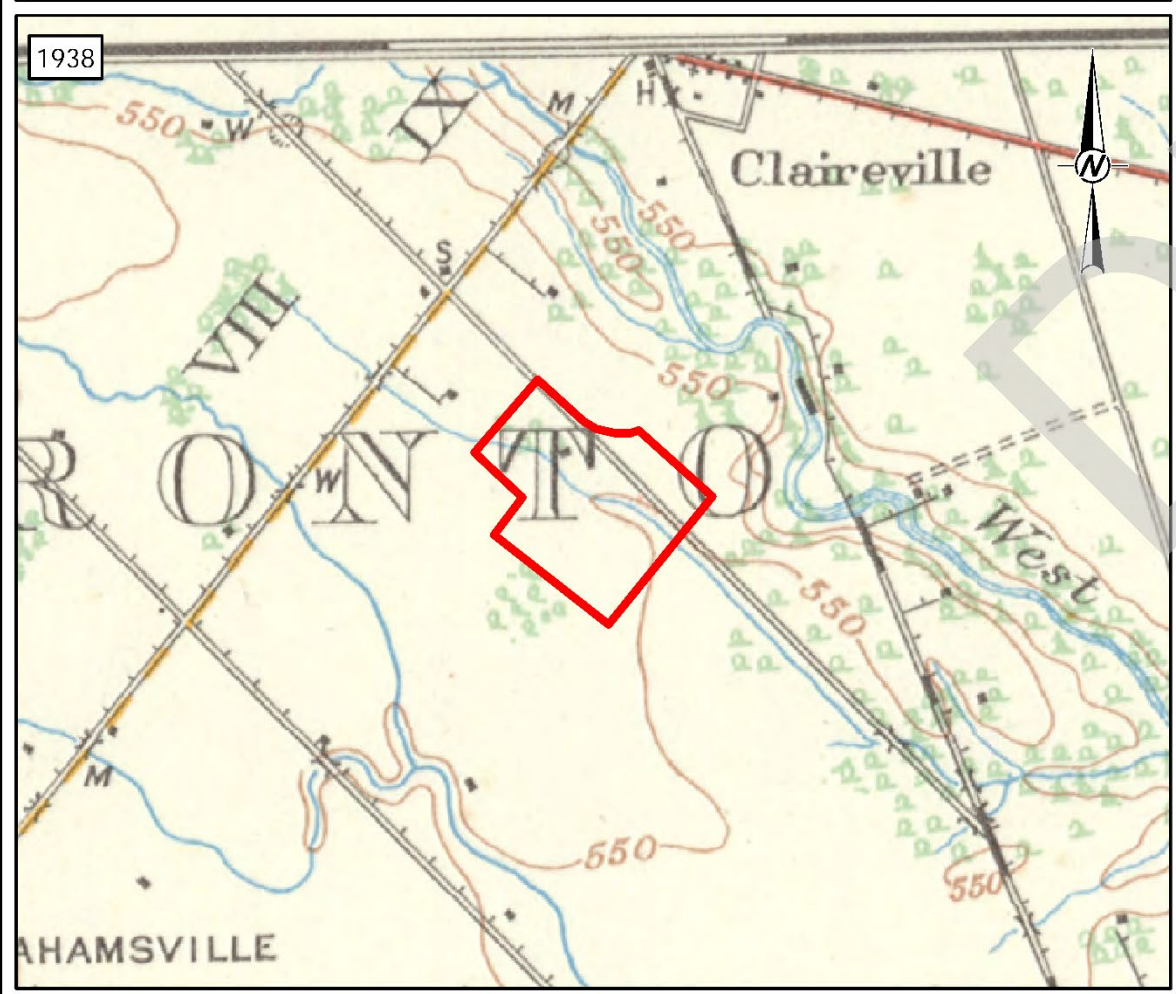
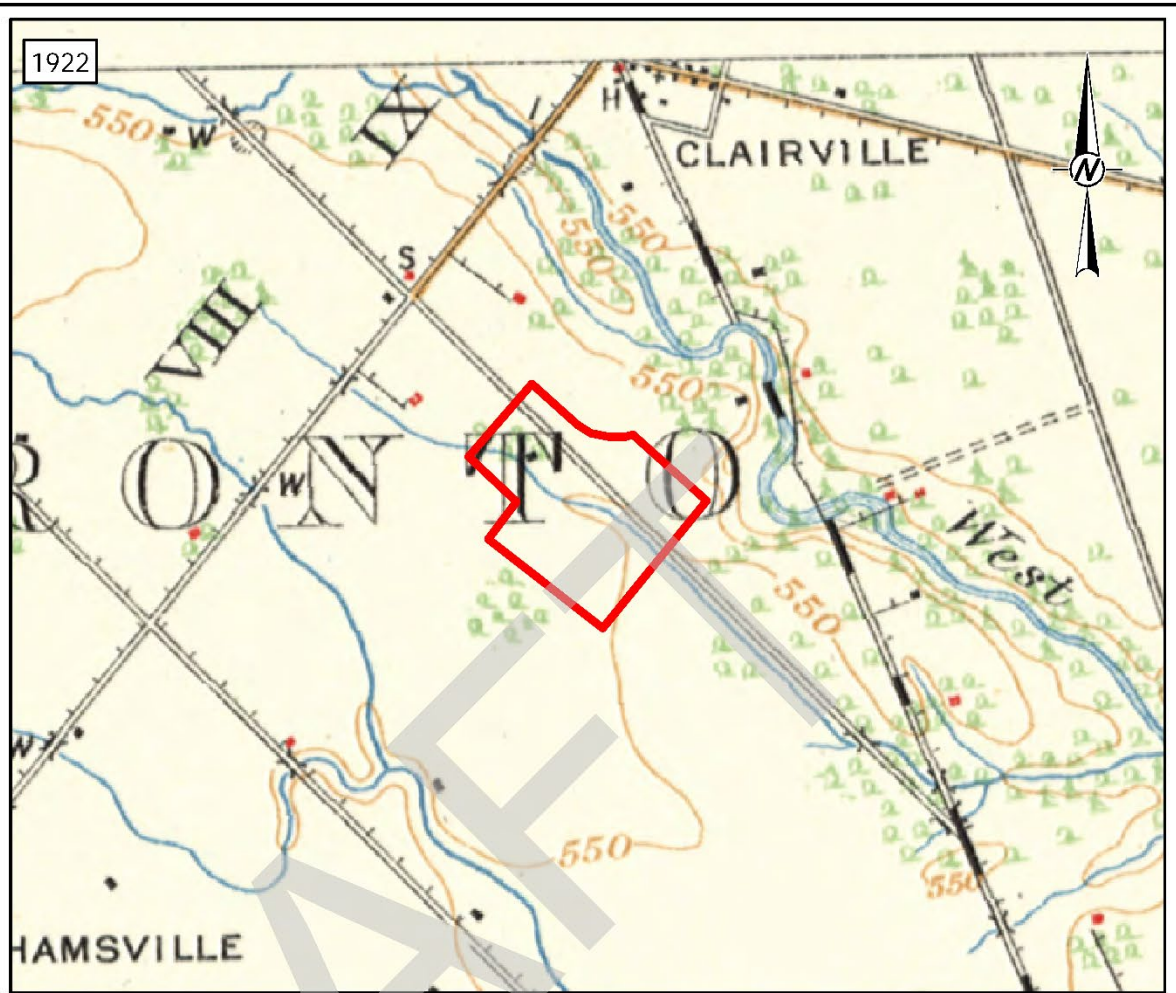
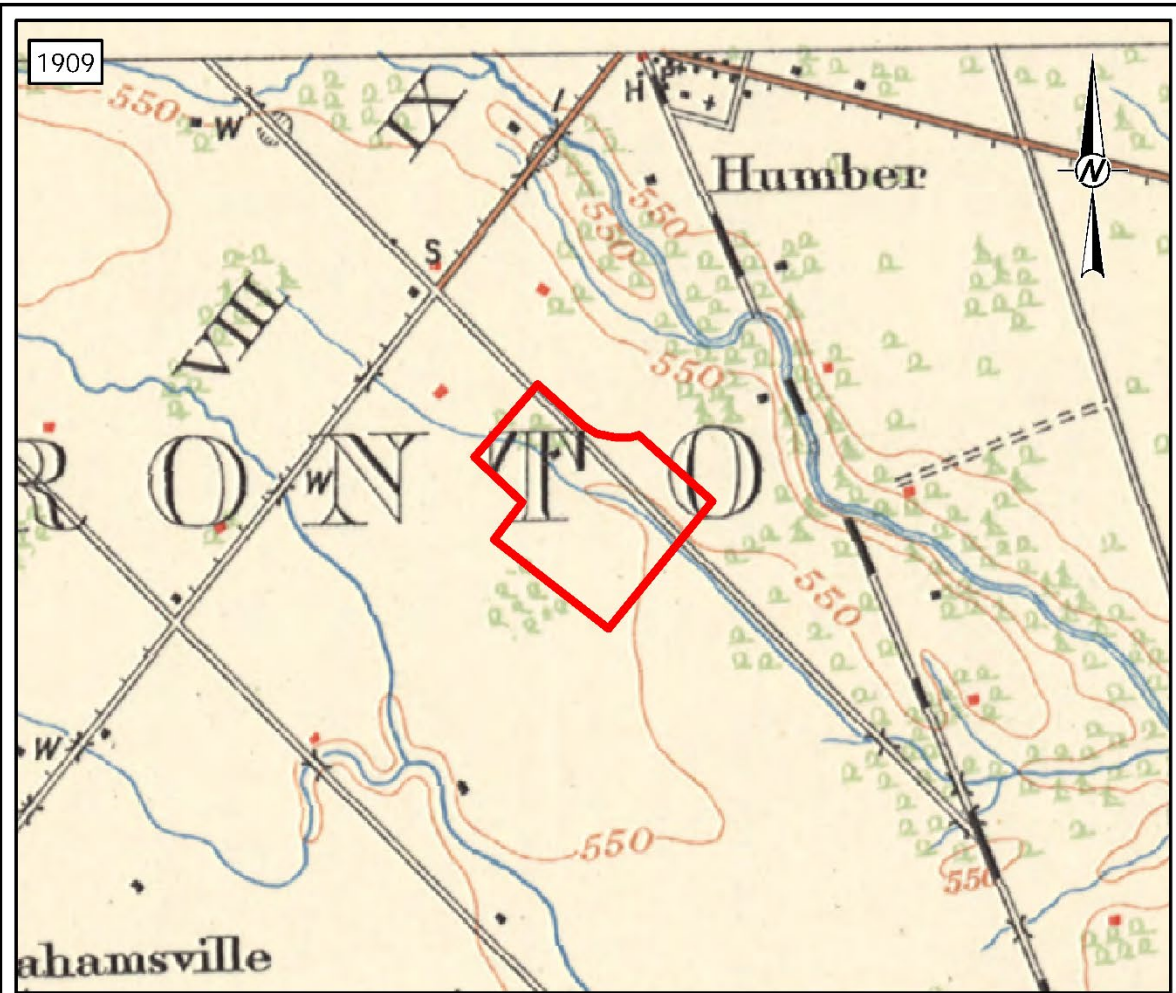
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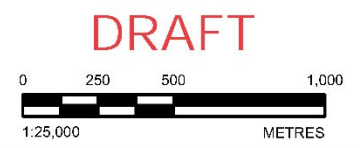
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LEGEND
 Study Area



NOTE(S)
 1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
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PROJECT
 STAGE 1 ARCHAEOLOGICAL ASSESSMENT
 REGION OF PEEL, MUNICIPAL CLASS EA

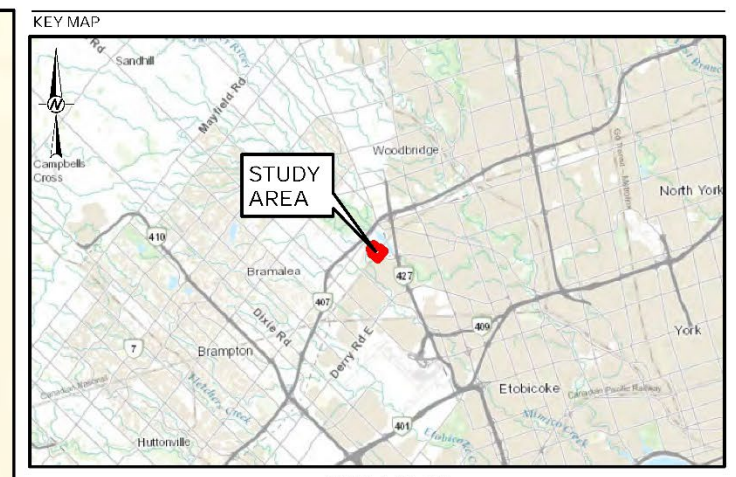
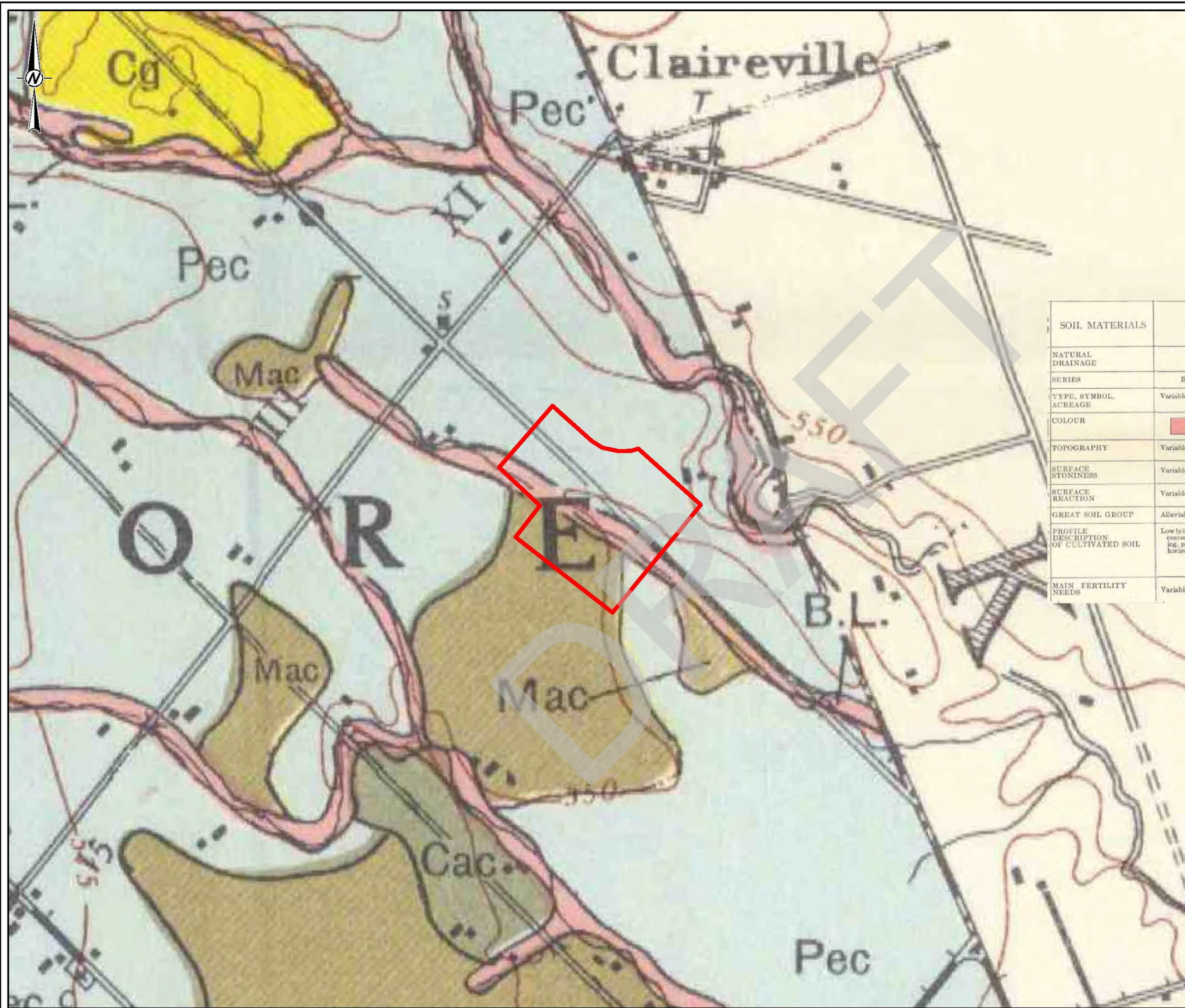
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 MAPS (1909, 1922, 1938, 1942)

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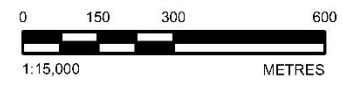


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LEGEND
 Study Area

SOIL MATERIALS		Good	Poor	Imperfect
NATURAL DRAINAGE	Variable	Good	Poor	Imperfect
SERIES	Bottom Land	Caledon	Malton	Peel
TYPE, SYMBOL, ACREAGE	Variable B.L. - 25,500	loam Cg - 10,200	clay Mac - 5,000	clay Pec - 33,000
COLOUR				
TOPOGRAPHY	Variable.	Smooth gently sloping to smooth moderately sloping.	Smooth very gently sloping.	Smooth gently sloping.
SURFACE STONINESS	Variable.	Few stones.	Stonefree.	Stonefree.
SURFACE REACTION	Variable.	Slightly acid to neutral.	Slightly alkaline.	Neutral to slightly alkaline.
GREAT SOIL GROUP	Alluvial.	Grey-Brown Podsolc.	Dark Grey Gleysolc	Grey-Brown Podsolc.
PROFILE DESCRIPTION OF CULTIVATED SOIL	Low lying land along stream courses; subject to flooding; profile immature and horizons poorly defined.	4" very dark grey-brown loam; profile well developed; concentration of stones in B horizon; parent material consists of well sorted sand and gravel; brown in colour, shaly.	8" very dark grey clay over poorly defined, very mottled lower horizons; heavy clay till at depths of 3 feet and less.	7" very dark grey clay over slightly mottled A2 and B horizons; A2 horizon is shallow; heavy clay till at depths of 3 ft. and less.
MAIN FERTILITY NEEDS	Variable.	Organic matter PHOSPHATE POTASH	Phosphate	Organic Matter Phosphate

DRAFT



NOTE(S)
 1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
 1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
 2. IMAGERY CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
 GM BLUEPLAN ENGINEERING LIMITED

PROJECT
 STAGE 1 ARCHAEOLOGICAL ASSESSMENT
 REGION OF PEEL, MUNICIPAL CLASS EA

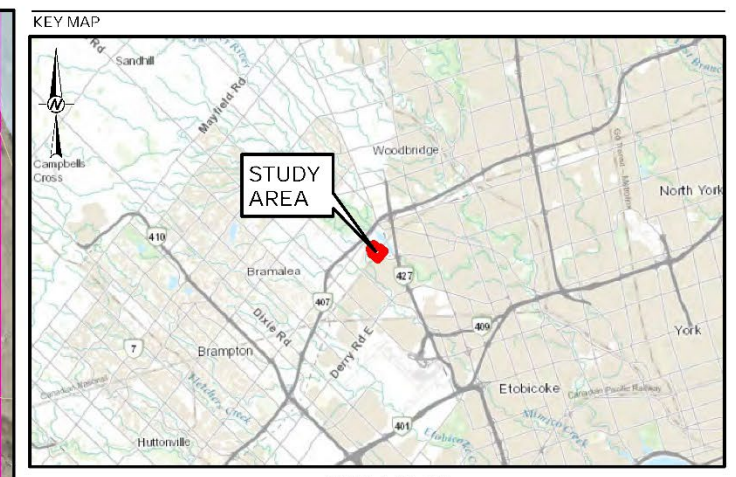
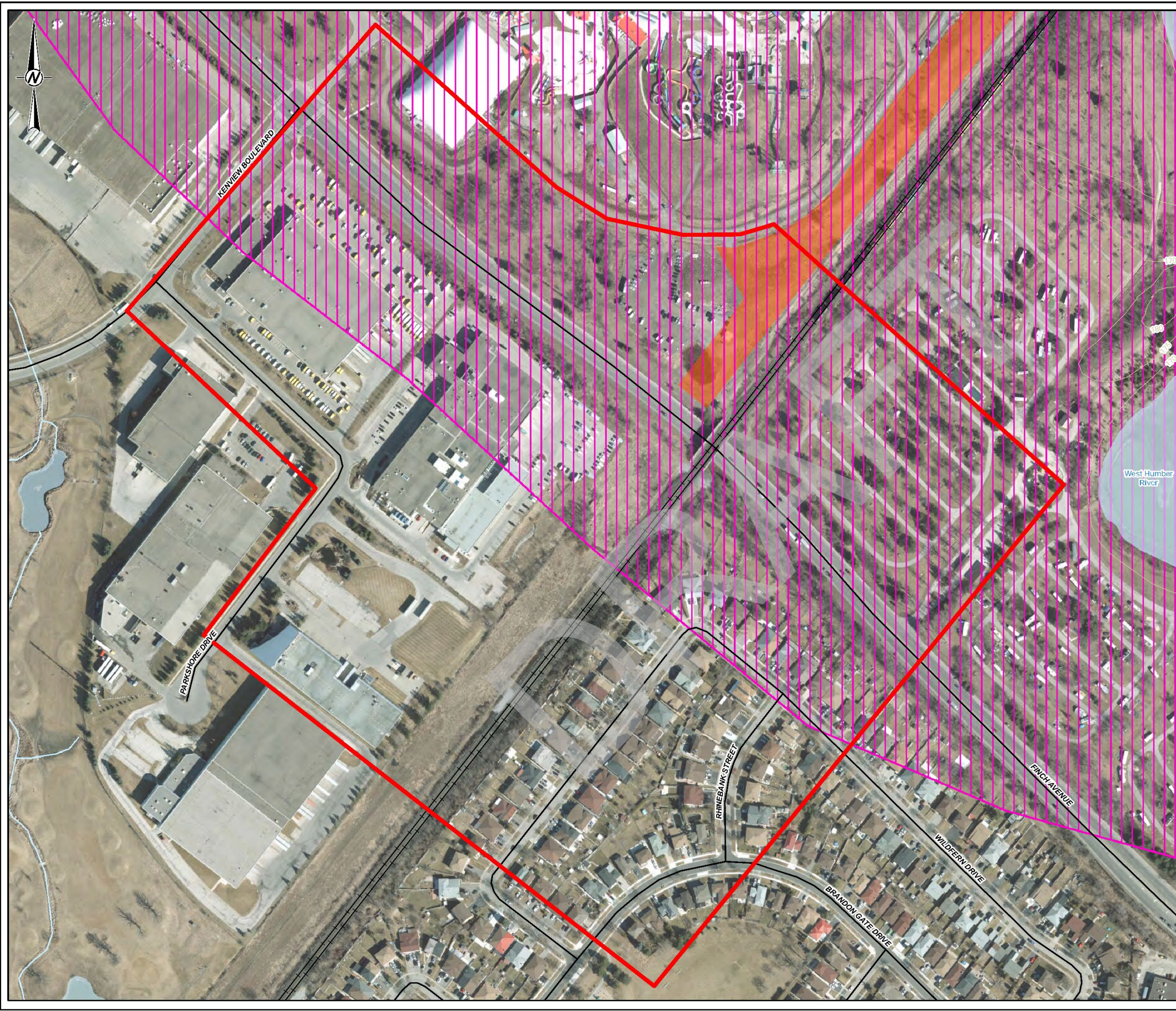
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CONSULTANT	YYYY-MM-DD	2022-11-29
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	PREPARED	BR
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	APPROVED	---

PROJECT NO. 22525575 CONTROL 0002 REV. A MAP 6

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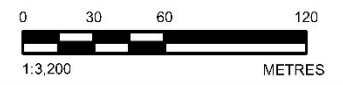
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LEGEND

	PREVIOUSLY ASSESSED - FURTHER ASSESSMENT REQUIRED (GOLDER)
	PREVIOUSLY ASSESSED - NO FURTHER ASSESSMENT REQUIRED (TRCA)
	STUDY AREA
	ROADWAY
	RAILWAY
	TOPOGRAPHIC CONTOUR, METRES
	WATERCOURSE
	WATERBODY

DRAFT



NOTE(S)
 1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
 1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
 2. IMAGERY CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP, GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
 SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY
 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
 GM BLUEPLAN ENGINEERING LIMITED

PROJECT
 STAGE 1 ARCHAEOLOGICAL ASSESSMENT
 REGION OF PEEL, MUNICIPAL CLASS EA

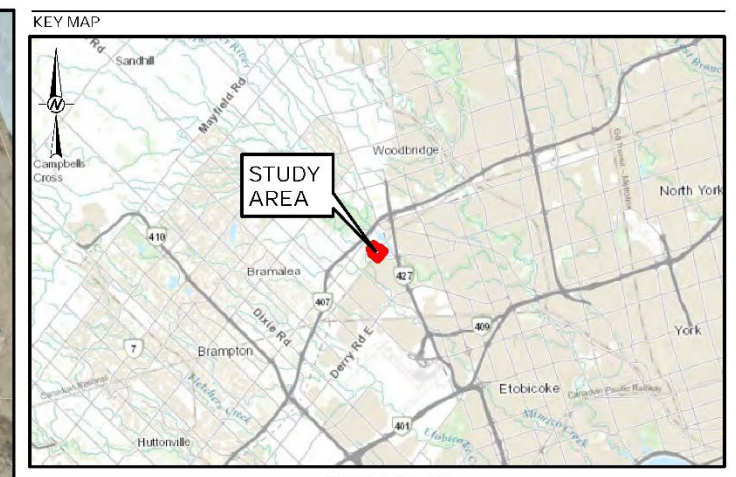
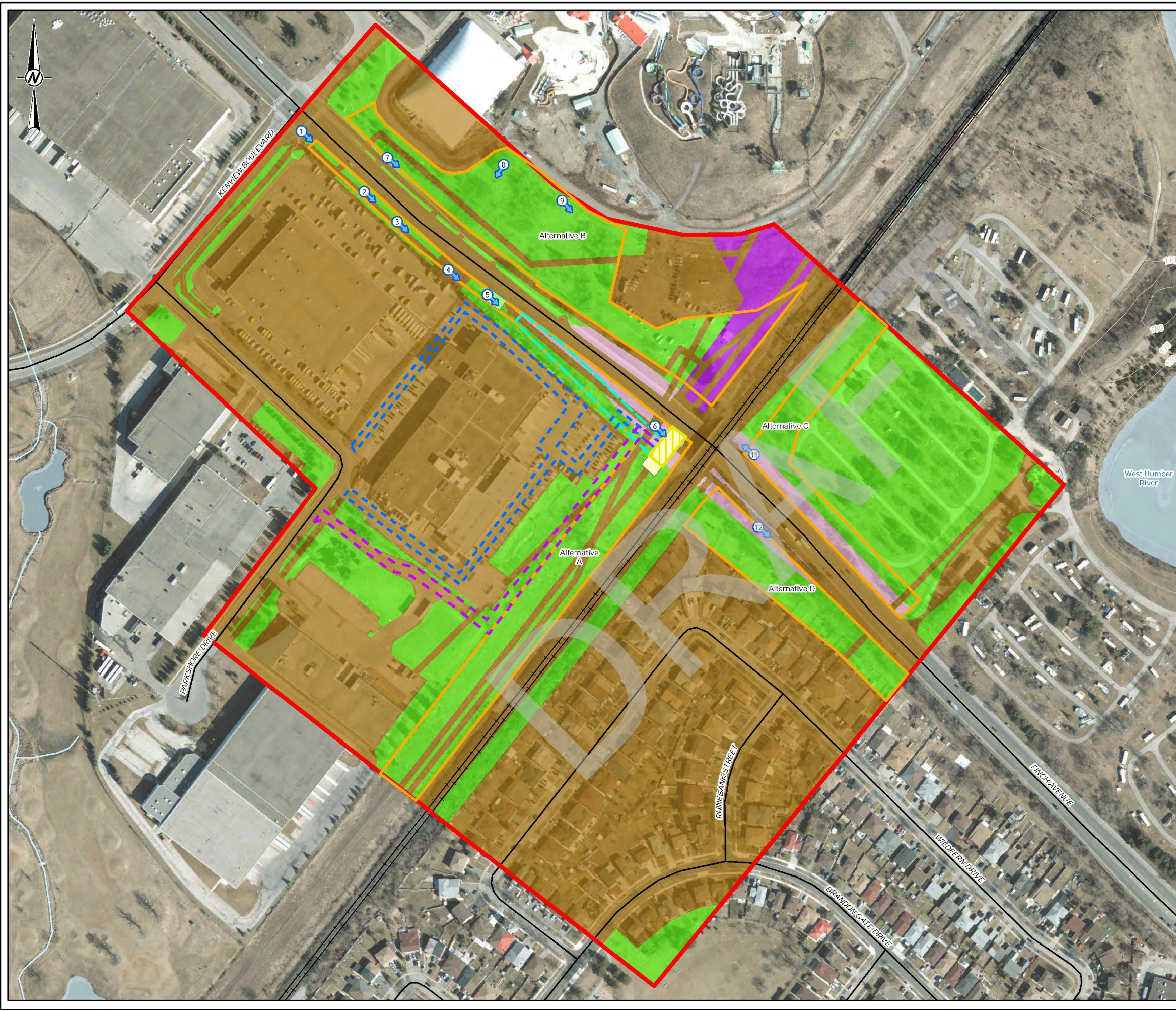
TITLE
 PREVIOUS ASSESSMENTS

CONSULTANT	YYYY-MM-DD	2023-02-03
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	APPROVED	---

PROJECT NO.	CONTROL	REV.	MAP
22525575	0002	A	7

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LEGEND

- PHOTO LOCATION AND DIRECTION
- ARCHAEOLOGICAL POTENTIAL – STAGE 2 TEST PIT SURVEY RECOMMENDED
- PREVIOUSLY ASSESSED – NO FURTHER ASSESSMENT REQUIRED (TRCA 2014)
- DISTURBED – LOW ARCHAEOLOGICAL POTENTIAL – NO FURTHER ASSESSMENT REQUIRED
- SLOPE – LOW ARCHAEOLOGICAL POTENTIAL – NO FURTHER ASSESSMENT REQUIRED
- AREA FOR PROPOSED CONTROL BUILDING
- AREA FOR PROPOSED VALVE CHAMBER: WET WELL
- PROPOSED PUMPING STATION LOCATION

PROPOSED ACCESS

- ACCESS ROUTE ALTERNATIVE 1 - FINCH AVENUE
- ACCESS ROUTE ALTERNATIVE 2 - CANADIAN BLOOD SERVICES PARKING LOT
- ACCESS ROUTE ALTERNATIVE 3 - BRITA WATER DRIVEWAY

OTHER FEATURES

- ALTERNATIVE AREAS
- STUDY AREA
- ROADWAY
- RAILWAY
- TOPOGRAPHIC CONTOUR, METRES
- WATERCOURSE
- WATERBODY

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0 30 60 120
1:3,200 METRES

NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. IMAGERY CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
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3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
GM BLUEPLAN ENGINEERING LIMITED

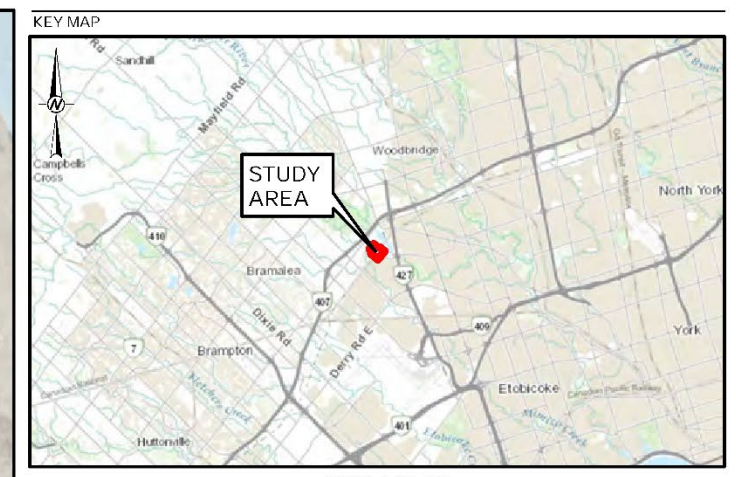
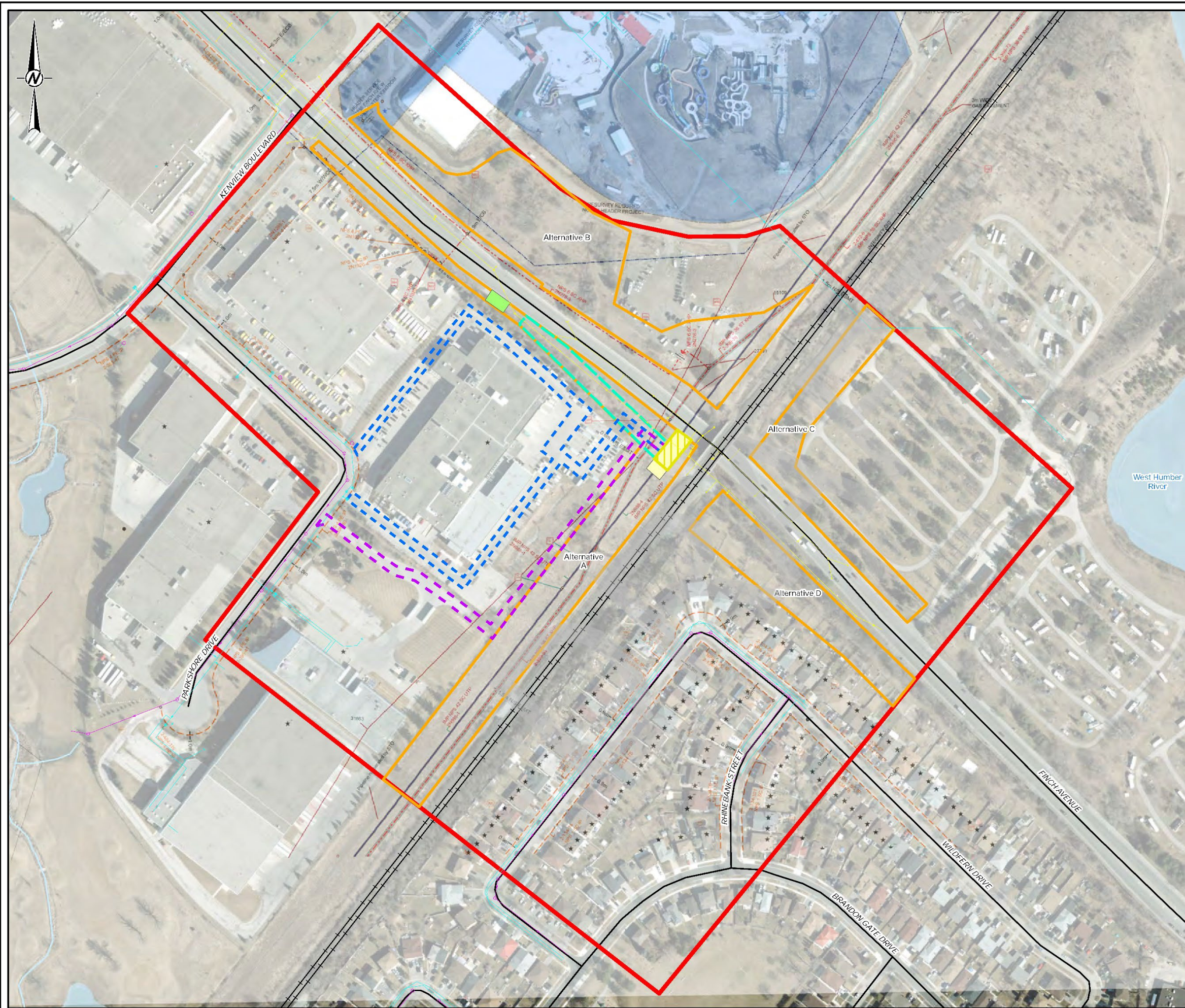
PROJECT
STAGE 1 ARCHAEOLOGICAL ASSESSMENT
REGION OF PEEL, MUNICIPAL CLASS EA

TITLE
ARCHAEOLOGICAL POTENTIAL AND PHOTO LOCATIONS MAP

CONSULTANT	YYYY-MM-DD	2023-02-24
	DESIGNED	---
	PREPARED	BR
	REVIEWED	---
	APPROVED	---

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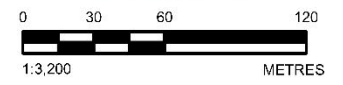
- WATERMAIN
- STORM
- SANITARY
- AREA FOR PROPOSED CONTROL BUILDING
- AREA FOR PROPOSED VALVE CHAMBER; WET WELL
- PROPOSED PUMPING STATION LOCATION

PROPOSED ACCESS ALTERNATIVES

- ACCESS ROUTE ALTERNATIVE 1 - FINCH AVENUE
- ACCESS ROUTE ALTERNATIVE 2 - CANADIAN BLOOD SERVICES PARKING LOT
- ACCESS ROUTE ALTERNATIVE 3 - BRITA WATER DRIVEWAY

- ALTERNATIVE AREAS
- STUDY AREA
- ROADWAY
- RAILWAY
- WATERCOURSE
- WATERBODY

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NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
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SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY
3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
GM BLUEPLAN ENGINEERING LIMITED

PROJECT
STAGE 1 ARCHAEOLOGICAL ASSESSMENT
REGION OF PEEL, MUNICIPAL CLASS EA

TITLE
EXISTING UTILITIES

CONSULTANT	YYYY-MM-DD	2023-02-23
wsp GOLDER	DESIGNED	---
	PREPARED	BR
	REVIEWED	---
	APPROVED	---

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9.0 CLOSURE

We trust that this report meets your current needs. If you have any questions, or if we may be of further assistance, please contact the undersigned.

WSP Canada Inc.

Martha Tildesley, MA, RPA
Archaeologist

Michael Teal, MA
Director, Archaeology and Heritage

SN/MT/ca

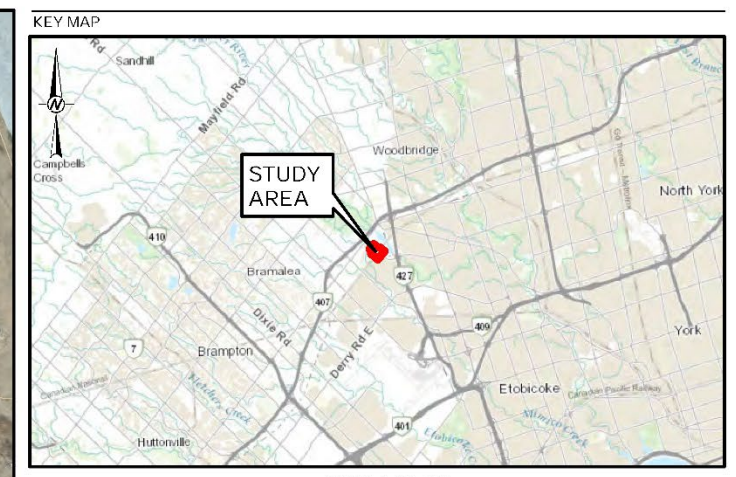
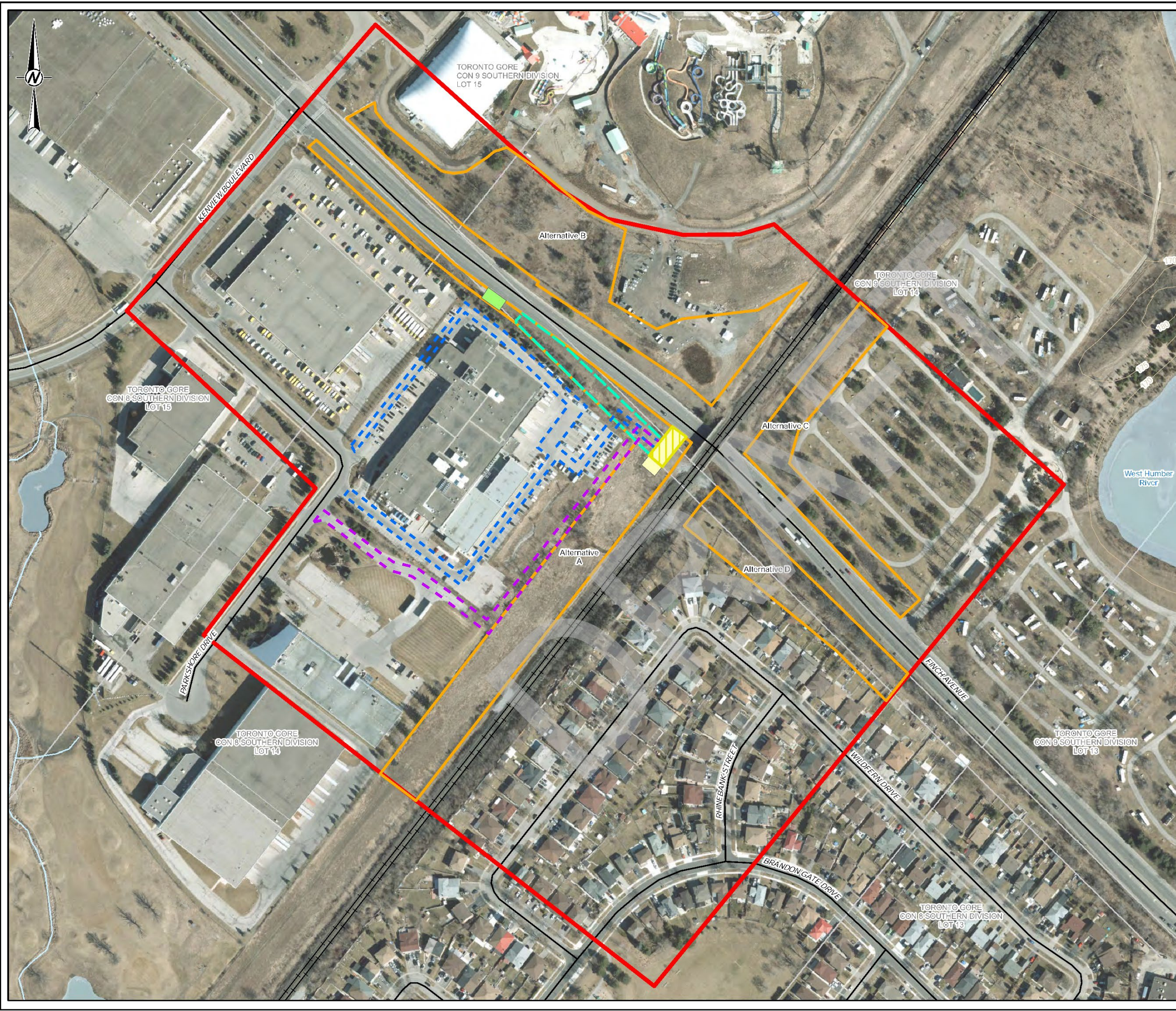
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APPENDIX A

**Proposed Design Alternatives
Mapping**



- LEGEND**
- AREA FOR PROPOSED CONTROL BUILDING
 - AREA FOR PROPOSED VALVE CHAMBER; WET WELL
 - PROPOSED PUMPING STATION LOCATION
 - PROPOSED ACCESS ALTERNATIVES**
 - ACCESS ROUTE ALTERNATIVE 1 - FINCH AVENUE
 - ACCESS ROUTE ALTERNATIVE 2 - CANADIAN BLOOD SERVICES PARKING LOT
 - ACCESS ROUTE ALTERNATIVE 3 - BRITA WATER DRIVEWAY
 - ALTERNATIVE AREAS
 - STUDY AREA
 - ROADWAY
 - RAILWAY
 - TOPOGRAPHIC CONTOUR, METRES
 - WATERCOURSE
 - WATERBODY
 - TOWNSHIP, CONCESSION AND LOT



NOTE(S)
 1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
 1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
 2. IMAGERY CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
 SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

CLIENT
 GM BLUEPLAN ENGINEERING LIMITED

PROJECT
 STAGE 1 ARCHAEOLOGICAL ASSESSMENT
 REGION OF PEEL, MUNICIPAL CLASS EA

TITLE
 PROPOSED DESIGN ALTERNATIVES MAPPING

CONSULTANT	DATE	REVISION
	YYYY-MM-DD	2023-02-22
	DESIGNED	---
	PREPARED	BR
	REVIEWED	---
	APPROVED	---

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Appendix F: Cultural Heritage Report

GM BLUEPLAN ENGINEERING LIMITED

CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT CLASS ENVIRONMENTAL ASSESSMENT FOR THE FINCH STORMWATER PUMPING STATION UPGRADES IN THE REGION OF PEEL

JANUARY 16, 2023

FINAL





CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

CLASS ENVIRONMENTAL
ASSESSMENT FOR THE FINCH
STORMWATER PUMPING STATION
UPGRADES IN THE REGION OF
PEEL

GM BLUEPLAN ENGINEERING LIMITED

ORIGINAL REPORT

FINAL

PROJECT NO.: 221-11343-00
GOLDER PROJECT NO.: 22525575

DATE: JANUARY 16, 2023

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SIGNATURES AND DISCLAIMERS

PREPARED BY



Claire Forward, BA (Hons.), MA, MSc

Cultural Heritage Specialist

REVIEWED BY



Joel Konrad, PhD, CAHP

Cultural Heritage Lead, Ontario

WSP Canada Inc. ("WSP") prepared this report solely for the use of the intended recipient, GM BluePlan Engineering Limited, in accordance with the professional services agreement between the parties.

The report is intended to be used in its entirety. No excerpts may be taken to be representative of the findings in the assessment.

The conclusions presented in this report are based on work performed by trained, professional and technical staff, in accordance with their reasonable interpretation of current and accepted engineering and scientific practices at the time the work was performed.

The content and opinions contained in the present report are based on the observations and/or information available to WSP at the time of preparation, using investigation techniques and engineering analysis methods consistent with those ordinarily exercised by WSP and other engineering/scientific practitioners working under similar conditions, and subject to the same time, financial and physical constraints applicable to this project.

WSP disclaims any obligation to update this report if, after the date of this report, any conditions appear to differ significantly from those presented in this report; however, WSP reserves the right to amend or supplement this report based on additional information, documentation or evidence.

WSP makes no other representations whatsoever concerning the legal significance of its findings.

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This limitations statement is considered an integral part of this report.

EXECUTIVE SUMMARY

WSP Canada Inc. (WSP) has been retained by GM BluePlan Engineering Limited on behalf of the Regional Municipality of Peel (the Region) to undertake a Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment (Cultural Heritage Report) in support of the Class Environmental Assessment (EA) for the Finch Stormwater Pumping Station Upgrades (the “Project”) in the City of Brampton, Region of Peel, Ontario. The Project consists of a new control building with emergency generator, a new valve chamber, new submersible pumps, site access improvements and the demolition of the existing control building. The Study Area is located in part of Lots 14 to 15, Concession VIII, and Lots 14 to 15, Concession IX, within the historic Township of Peel, now the City of Brampton in the Regional Municipality of Peel, Ontario (Figure 1). The Study Area is generally bounded to the north by Kenview Boulevard and Finch Avenue West, to the east by Finch Avenue West, to the south by Finch Avenue West and Brandon Gate Drive, and to the west by Wildfern Drive and Parkshore Drive.

This Cultural Heritage Report identifies existing and potential Built Heritage Resources (BHRs) and Cultural Heritage Landscapes (CHLs) within the Study Area. Further, the report includes a review of the background history of the Study Area, the results of a property visit undertaken to confirm existing conditions, a preliminary impact assessment to identify negative impacts to BHRs and CHLs, preliminary mitigation recommendations, and determination of whether a Cultural Heritage Evaluation Report (CHER) or Heritage Impact Assessment (HIA) is required for all or parts of the Study Area to be impacted.

The cultural heritage identification and evaluation documented in this Cultural Heritage Report follows the process set out in the *Draft Existing Conditions and Preliminary Impact Assessment Report Guidelines* provided by the Ministry of Citizenship and Multiculturalism (MCM, 2019). In addition, best practice in heritage identification and assessment has been used, as outlined in the *Standards and Guidelines for The Conservation of Provincial Heritage Properties* (MCM, 2010), *Identification and Evaluation Process* (MCM, 2014), and the *Ontario Heritage Toolkit* (MCM, 2006a).

This Cultural Heritage Report was prepared by Joel Konrad, PhD, CAHP, Cultural Heritage Lead, Ontario and Claire Forward BA (Hons.), MA, MSc, Cultural Heritage Specialist. A site visit was conducted on November 16, 2022, which confirmed that there are zero (0) BHRs and zero (0) CHLs with known or potential cultural heritage value or interest (CHVI) within the Study Area. As no BHRs or CHLs were identified, the preliminary impact assessment determined that there will be no impacts to potential heritage resources. As such, the following recommendation should be implemented:

- 1 Should future work require expansion of the Finch Stormwater Pumping Station Upgrades EA Study Area, a qualified heritage consultant should be contacted to confirm the impacts of the proposed work on potential BHRs and CHLs.

PROJECT PERSONNEL

CLIENT

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Project Manager, GM BluePlan Engineering Limited

WSP

Project Manager Rhiannon Fisher, MSc, RPA
*Archaeology Team Lead, GTA and Southwestern Ontario, Senior
Archaeologist*

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Cultural Heritage Specialist

Mapping/GIS Miranda Gilliland
GIS Analyst

Report Review Joel Konrad, PhD, CAHP
Cultural Heritage Lead, Ontario



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1 INTRODUCTION

1.1 STUDY PURPOSE AND OBJECTIVES

GM BluePlan Engineering Limited on behalf of the Regional Municipality of Peel (the Region), retained WSP Canada Inc. (WSP) to undertake a Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment (Cultural Heritage Report) in support of the Class Environmental Assessment (EA) for the Finch Stormwater Pumping Station Upgrades (the “Project”).

This Cultural Heritage Report was undertaken to identify municipally, provincially, and federally recognized heritage properties as well as potential heritage properties within the Study Area and assess the impacts that the Project may have on cultural heritage resources.

A Cultural Heritage Report is required as part of the EA process to: identify existing and potential built heritage resources (BHR) and cultural heritage landscapes (CHL); review the background history of the Study Area; complete a site visit to confirm existing conditions; provide a preliminary impact assessment; identify mitigation and/or monitoring for potential impacts; and determine whether additional heritage reporting is required.

To meet these objectives, the report will:

- Introduce the study including the purpose and methodology used to undertake the work.
- Review background studies to complete a summary history of the Study Area using local histories, historical mapping and aerial photographs. This work will trace the evolution of the Study Area and aid in the identification of existing and potential BHRs and CHLs.
- Obtain information regarding the City of Brampton’s heritage recognitions and identification of listed and/or designated heritage properties within the Study Area.
- Confirm the presence of previously recognized built heritage resources and cultural heritage landscapes. This process will aid in the identification of built heritage resources and cultural heritage landscapes that may be impacted by the undertaking. This task will include a review of municipal, provincial, and federal heritage registers and inventories, including the City of Brampton’s Heritage Registers.

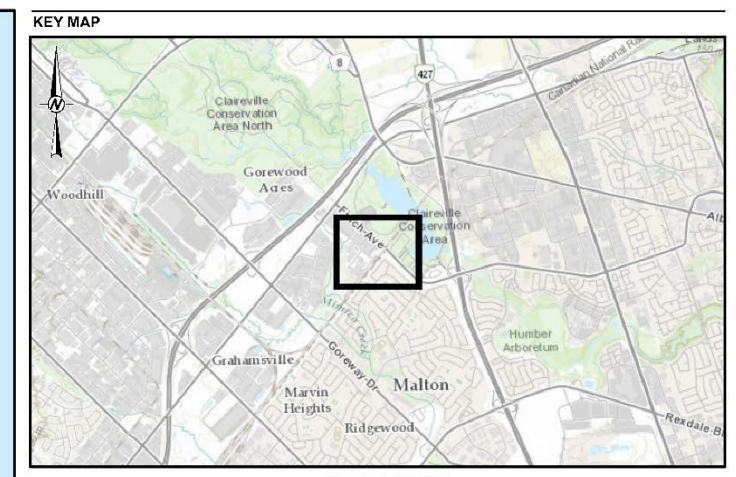
This work will be conducted in accordance with the *Ontario Heritage Act* (OHA, 2005), the *Provincial Policy Statement* (2020), and the City of Brampton’s *Official Plan* (2006). The cultural heritage identification and evaluation documented in this Cultural Heritage Report follows the process set out in the *Draft Existing Conditions and Preliminary Impact Assessment Report Guidelines* provided by the Ministry of Citizenship and Multiculturalism (MCM 2019; formerly the Ministry of Tourism, Culture and Sport). In addition, best practice in heritage identification and assessment will be used, as outlined in the *Standards and Guidelines for Conservation of Provincial Heritage Properties* (MCM, 2010), *Identification and Evaluation Process* (2014) and the *Ontario Heritage Toolkit* (2006a).

1.2 PROJECT DESCRIPTION AND STUDY AREA

The Finch Stormwater Pumping Station is located at 7848 Finch Avenue West in the City of Brampton. The station is designed to lift stormwater from a local drainage area, including Finch Avenue West railway underpass, into a nearby storm sewer. The station was built in 1984 and underwent SCADA (Supervisory Control and Data Acquisition) modifications in 1991. The station requires upgrades to fully comply with the Region of Peel SPS Design Standards (Figure 1).

The proposed upgrades to the Finch Stormwater include a new control building with emergency generator, a new valve chamber, new submersible pumps, site access improvements and demolition of the existing control building. The existing wet well may either be replaced or refurbished. A Schedule "B" Class EA is underway to assess alternative locations for the control building and site access.

The Study Area is generally bounded to the north by Kenview Boulevard and Finch Avenue West, to the east by Finch Avenue West, to the south by Finch Avenue West and Brandon Gate Drive, and to the west by Wildfern Drive and Parkshore Drive.



SCALE 1:100,000

- LEGEND**
- RAILWAY
 - WATERCOURSE
 - WATERBODY
 - PARCEL BOUNDARY
 - STUDY AREA
 - STATION UPGRADES - ALTERNATIVE A
 - STATION ALTERNATIVES - ALTERNATIVE 3
 - PROPOSED ACCESS ALTERNATIVES**
 - ACCESS ROUTE - GRANITE
 - ACCESS ROUTE - CANADIAN BLOOD SERVICES PARKING LOT
 - ACCESS ROUTE - FINCH AVE



NOTE(S)
 1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
 1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
 2. STUDY AREA, PARCEL BOUNDARIES, AND ALTERNATIVES FROM GMBP PROJECT 122062-000, PROVIDED BY THE CLIENT.
 3. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
 SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY
 4. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
GM BLUEPLAN ENGINEERING LIMITED

PROJECT
CULTURAL HERITAGE REPORT: FINCH STORMWATER PUMPING STATION UPGRADES

TITLE
LOCATION MAP

CONSULTANT	YYYY-MM-DD	2023-01-16
GOLDER	DESIGNED	---
	PREPARED	MG
	REVIEWED	CF
	APPROVED	JK

PROJECT NO.	CONTROL	REV.	FIGURE
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2 LEGISLATIVE FRAMEWORK

This report reviews BHRs and CHLs within the Study Area to ensure that the Project takes into consideration these resources. This section outlines the various legislative frameworks and policies relevant to the report.

2.1 UNITED NATIONS DECLARATION ON THE RIGHTS OF INDIGENOUS PEOPLES

On June 21st, 2021, the Canadian federal government enacted the *United Nations Declaration on the Rights of Indigenous Peoples Act* and confirmed that the *United Nations Declaration on the Rights of Indigenous Peoples (Declaration - 2007)* “must be implemented in Canada.” As a result, Indigenous peoples in Canada are recognized as having unique rights, including those that pertain to the conservation of Indigenous heritage. As per Articles 11 and 31 of the Declaration:

11. 1) Indigenous peoples have the right to practice and revitalize their cultural traditions and customs. This includes the right to maintain, protect and develop the past, present and future manifestations of their cultures, such as archaeological and historical sites, artefacts, designs, ceremonies, technologies and visual and performing arts and literature.
31. 1) Indigenous peoples have the right to maintain, control, protect and develop their cultural heritage, traditional knowledge and traditional cultural expressions, as well as the manifestations of their sciences, technologies and cultures, including human and genetic resources, seeds, medicines, knowledge of the properties of fauna and flora, oral traditions, literatures, designs, sports and traditional games and visual and performing arts. They also have the right to maintain, control, protect and develop their intellectual property over such cultural heritage, traditional knowledge, and traditional cultural expressions.
 - 2) In conjunction with Indigenous peoples, States shall take effective measures to recognize and protect the exercise of these rights.

These rights to historical sites, ceremonies, cultural traditions, etc. (collectively understood as Indigenous heritage) are pertinent to the Environmental Assessment process through Articles 25 and 26 of the Declaration, which state that:

25. Indigenous peoples have the right to maintain and strengthen their distinctive spiritual relationship with their traditionally owned or otherwise occupied and used lands, territories, waters and coastal seas and other resources and to uphold their responsibilities to future generations in this regard.
26. 1) Indigenous peoples have the right to the lands, territories and resources which they have traditionally owned, occupied or otherwise used or acquired.
 - 2) Indigenous peoples have the right to own, use, develop and control the lands, territories and resources that they possess by reason of traditional ownership or other traditional occupation or use, as well as those which they have otherwise acquired.

3) States shall give legal recognition and protection to these lands, territories and resources. Such recognition shall be conducted with due respect to the customs, traditions, and land tenure systems of the Indigenous peoples concerned.

2.2 PROVINCIAL POLICY STATEMENT

The *Provincial Policy Statement (PPS)* (2020) outlines provincial “policy direction on matters of provincial interest related to land use planning and development” (Part I: Preamble PPS 2020). The intent is to provide for appropriate development that protects resources of public interest, public health and safety and the quality of the natural and built environment. The PPS 2020 identifies the conservation of significant built heritage resources and cultural heritage landscapes as a provincial interest in Section 2.6.1.

Relevant definitions from the PPS 2020 include:

Built Heritage Resources (BHR): means a building, structure, monument, installation or any manufactured or constructed part or remnant that contributes to a property’s cultural heritage value or interest as identified by a community, including an Indigenous community. *Built heritage resources* are located on property that may be designated under Parts IV or V of the OHA, or that may be included on local, provincial, federal and/or international registers.

Cultural Heritage Landscapes (CHL): means a defined geographical area that may have been modified by human activity and is identified as having cultural heritage value or interest by a community, including an Indigenous community. The area may include features such as buildings, structures, spaces, views, archaeological sites or natural elements that are valued together for their interrelationship, meaning or association. *Cultural heritage landscapes* may be properties that have been determined to have cultural heritage value or interest under the OHA, or have been included on federal and/or international registers, and/or protected through official plan, zoning by-law, or other land use planning mechanisms.

Conserved: means the identification, protection, management and use of *built heritage resources*, *cultural heritage landscapes* and *archaeological resources* in a manner that ensures their cultural heritage value or interest is retained. This may be achieved by the implementation of recommendations set out in a conservation plan, archaeological assessment, and/or heritage impact assessment that has been approved, accepted or adopted by the relevant planning authority and/or decision-maker. Mitigative measures and/or alternative development approaches can be included in these plans and assessments.

2.3 ONTARIO HERITAGE ACT

The OHA (2005) gives municipalities and the provincial government powers to preserve the heritage of Ontario, with a primary focus on protecting heritage properties and archaeological sites. The OHA grants the authority to municipalities and to the province to identify and designate properties of heritage significance, provide standards and guidelines for the preservation of heritage properties and enhance protection of heritage conservation districts, marine heritage sites and archaeological resources.

Designation ensures the conservation of important places and can take the form of individual designations (Part IV of the OHA) or as part of a larger group of properties, known as a Heritage Conservation District (Part V of the OHA). An evaluation using the criteria outlined in Ontario Regulation (O. Reg) 9/06 is used to determine whether a property possesses cultural heritage value or interest and may be worthy of designation under the OHA. Designation offers protection for properties under Sections 33, 34 and 42 of the OHA, prohibiting the owner of a designated property from altering, demolishing or removing a building or structure on the property unless the owner applies to the council of the municipality and receives written consent to proceed with the alteration, demolition or removal.

In addition to designated properties, the OHA allows municipalities to list properties that are considered to have cultural heritage value or interest on their Municipal Heritage Register. Under Part IV, Section 27 of the OHA, municipalities must maintain a Register of properties situated in the municipality that are of cultural heritage value or interest. Section 27 (1.1) states that the register shall be kept by the clerk and that it must list all designated properties (Part IV and V). Under Section 27 (1.2), the Register may include property that has not been designated, but that council believes to be of cultural heritage value or interest. Listed properties, although recognized as having cultural heritage value or interest, are not protected under the OHA to the same extent as designated properties, but are acknowledged under Section 2 of the PPS 2020 under the *Planning Act*. An owner of a listed heritage property must provide the municipality with 60 days' notice of their intention to demolish a building or structure on the property.

The OHA also allows for the designation of provincial heritage properties (PHP). Part III.1 of the OHA enables the preparation of standards and guidelines that set out the criteria and process for identifying the cultural heritage value or interest of PHPs (Part II of the OHA) and cultural heritage value or interest of provincial heritage properties of provincial significance (PHPPS) (Ontario Regulation (O. Reg.) 10/06 of the OHA) and to set standards for their protection, maintenance, use, and disposal.

2.3.1 ONTARIO REGULATION 9/06

The criteria for determining cultural heritage value or interest is defined in O. Reg. 9/06. This regulation was created to ensure a consistent approach to the designation of heritage properties under the OHA. All designations under the OHA made after 2006 must meet the criteria outlined in the regulation.

A property may be designated under Section 29 of the OHA if it meets one or more of the following criteria for determining whether it is of cultural heritage value or interest:

- 1 The property has design value or physical value because it,
 - i. is a rare, unique, representative or early example of a style, type, expression, material or construction method,
 - ii. displays a high degree of craftsmanship or artistic merit, or
 - iii. demonstrates a high degree of technical or scientific achievement.

- 2 The property has historical value or associative value because it,
 - i. has direct associations with a theme, event, belief, person, activity, organization or institution that is significant to a community,
 - ii. yields, or has the potential to yield, information that contributes to an understanding of a community or culture, or
 - iii. demonstrates or reflects the work or ideas of an architect, artist, builder, designer or theorist who is significant to a community.
 - 3 The property has contextual value because it,
 - i. is important in defining, maintaining or supporting the character of an area,
 - ii. is physically, functionally, visually or historically linked to its surroundings, or,
 - iii. is a landmark.
-

2.4 REGION OF PEEL'S OFFICIAL PLAN

The Region of Peel's *Official Plan (2022)* is currently awaiting Provincial approval. The 1996 Region of Peel's *Official Plan as amended (2021)* consists of policies for the sustainable development of the Region (Caledon, Brampton, and Mississauga).

Section 3.6, Cultural Heritage, addresses cultural heritage features, structures, archaeological resources, and cultural heritage landscapes in Peel according to the criteria and guidelines established by the Province. Relevant policies include:

- 3.6.2.5 Direct the area municipalities to require, in their official plans, that the proponents of development proposals affecting heritage resources provide for sufficient documentation to meet Provincial requirements and address the Region's objectives with respect to cultural heritage resources.
 - 3.6.2.6 Encourage and support the area municipalities in preparing, as part of any area municipal official plan, an inventory of cultural heritage resources and provision of guidelines for identification, evaluation and impact mitigation activities.
-

2.5 CITY OF BRAMPTON OFFICIAL PLAN

The City of Brampton's *Official Plan (2006)* was adopted by City Council in October 2006 and approved in part by an Ontario Municipal Board (OMB) Order in October 2008 and last consolidated in September 2020. It provides policy on a wide range of topics including future land use, physical development, and future infrastructure needs to provide a balance between the needs of individual residents and the greater community.

The following sections of the City of Brampton's *Official Plan* identify the recognition and commitment to designate cultural heritage resources of significant cultural heritage value or interest and for their ongoing protection and conservation.

- S. 4.10.1.3 All significant heritage resources shall be designated as being of cultural heritage value or interest in accordance with the Ontario Heritage Act to help ensure effective protection and their continuing maintenance, conservation and restoration.
- S. 4.10.1.4 Criteria for assessing the heritage significance of cultural heritage resources shall be developed. Heritage significance refers to the aesthetic, historic, scientific, cultural, social or spiritual importance or significance of a resource for past, present or future generations. The significance of a cultural heritage resource is embodied in its heritage attributes and other character defining elements including: materials, forms, location, spatial configurations, uses and cultural associations or meanings. Assessment criteria may include one or more of the following core values:
- Aesthetic, Design or Physical Value;
 - Historical or Associative Value; and/or,
 - Contextual Value.
- S. 4.10.1.6 The City will give immediate consideration to the designation of any heritage resource under the Ontario Heritage Act if that resource is threatened with demolition, significant alterations or other potentially adverse impacts.
- S. 4.10.1.8 Heritage resources will be protected and conserved in accordance with the Standards and Guidelines for the Conservation of Historic Places in Canada, the Appleton Charter for the Protection and Enhancement of the Built Environment and other recognized heritage protocols and standards. Protection, maintenance and stabilization of existing cultural heritage attributes and features over removal or replacement will be adopted as the core principles for all conservation projects.

3 METHODOLOGY

3.1 CONSULTATION

BHRs and CHLs already recognized by the municipality, the Ontario Heritage Trust (OHT), provincially and federally were identified by reviewing the following:

The inventory of OHT easements;

The OHT's Ontario Heritage Plaque Guide, an online, searchable database of Ontario Heritage Plaques;

Ontario's Historical Plaques website;

The Ontario Genealogical Society's Ontario Cemetery Index

Parks Canada's Historic Places website, an online, searchable register that provides information on historic places recognized at the local, provincial/territorial and national levels;

Parks Canada's Directory of Federal Heritage Designations, a searchable on-line database that identifies National Historic Sites, National Historic Events, National Historic People, Heritage Railway Stations, Federal Heritage Buildings and Heritage Lighthouses;

Canadian Heritage River System, a national river conservation program that promotes, protects and enhances the best examples of Canada's river heritage; and,

UNESCO World Heritage Sites.

In addition, the mapping tool on the City of Brampton's website was consulted to review the properties included on their Heritage Registers in the Study Area.

For the purposes of this study, any property previously identified by a municipality, municipal staff, provincial or federal agencies as containing, or having the potential to contain, cultural heritage value or interest (CHVI) will be determined to be a BHR or CHL, and if applicable, will be discussed in Section 5.4.

3.2 FIELD ASSESSMENT

Field assessment for this report included a survey of the cultural heritage Study Area from the publicly accessible right-of-way to confirm or identify existing and/or potential BHRs and CHLs. Where identified, potential resources were photographed and mapped, and physical characteristics visible from the right-of-way or aerial imagery were described.

The use of a 40-year-old threshold is a guiding principle when conducting a preliminary identification of cultural heritage resources (MCM, 2016). While identification of a resource that is 40 years old or older does not confer outright heritage significance, this threshold provides a means to collect information about resources that may retain heritage value.

Similarly, if a resource is younger than 40 years old it does not preclude this resource from having CHVI, however it does provide a systematic means of identifying properties that have a higher likelihood of retaining cultural heritage value.

This report includes background research that summarizes the history of the Study Area. In addition to textual sources, historical mapping and aerial photography was consulted to identify the presence of structures/building, settlement patterns and other previously recognized BHRs and CHLs.

3.3 IDENTIFICATION OF CULTURAL HERITAGE VALUE OR INTEREST

Properties identified during field review were screened by employing an application of the 40-year threshold used to identify potential BHRs and/or CHLs, followed by a high-level and cursory assessment based on a theoretical understanding of the criteria outlined in O. Reg. 9/06 for determining CHVI (see Section 2.3.1 for full criteria). The criteria in O. Reg. 9/06 were established to identify properties with sufficient CHVI to warrant designation under the OHA. It is considered best practice when identifying potential BHRs and CHLs to employ O. Reg. 9/06 as it provides a general framework for understanding and interpreting heritage value. It should be noted, however, that the application of this framework is used as a theoretical underpinning, not as a strict measurement applied, to a greater or lesser degree, to each property under study. This report does not provide a comprehensive evaluation of a property according to O. Reg. 9/06 and does not satisfy the requirement for a Cultural Heritage Evaluation Report (CHER).

3.4 AGENCY DATA REQUESTS

As part of this study, the City of Brampton's online Heritage Registers were reviewed to determine if properties and structures have been previously identified and/or have been designated under the OHA. A request was sent to the City of Brampton on November 1, 2022 to confirm if any properties within the Study Area had been previously identified or designated. A response was received on October 12, 2022 indicating that confirmed that there are no listed nor designated properties within or adjacent to the Study Area.

A request was sent to the Ontario Heritage Trust (OHT) on November 1, 2022 to obtain information related to OHT easements and owned properties. A response was received on November 3, 2022 confirming that the OHT does not have any conservation easements or Trust-owned properties within or adjacent to the Study Area.

A request was sent to Ministry of Citizenship and Multiculturalism (MCM) on November 1, 2022 to confirm if any Provincial Heritage Properties (PHPs) were located within the Study Area. A response was received on January 9, 2023 confirming that no properties have been designated by the Minister in the Study Area, nor is the MCM aware of any PHPs located within or adjacent to the Study Area.

A summary of data requested through consultation with the agencies noted above is provided in Table 3-1.

Table 3-1: Agency Data Requests

Contact Name / Position	Organization	Contact Information	Dates of Communication	Information Received
Shelby Swinfield, Heritage Planner	City of Brampton	shelby.swinfield@brampton.ca	Sent: November 1, 2022 Received: November 4, 2022	Ms. Swinfield indicated that there are no listed nor designated properties within or adjacent to the Study Area.
Kevin Baksh, OHT Registrar	OHT	kevin.baksh@heritagetrust.on.ca	Sent: November 1, 2022 Received: November 3, 2022	Mr. Baksh confirmed that the OHT does not have any conservation easements or Trust-owned properties within or adjacent to the Study Area.
Karla Barboza, Heritage Planner	MCM	karla.barboza@ontario.ca	Sent: November 1, 2022 Received Sent: January 9, 2023	Ms. Barboza confirmed that there are no properties designated by the Minister in the Study Area, nor is the MCM aware of any PHPs within or adjacent to the Study Area.

4 HISTORICAL CONTEXT

4.1 HISTORICAL CONTEXT OVERVIEW

The Study Area is located on part of Lots 14 to 15, Concession VIII and Lots 14 to 15, Concession IX, within the historic Township of Peel. The following provides a generalized cultural history of the Indigenous people within the Study Area's surroundings.

The sections below present a sequence of Indigenous land-use for the region from the earliest known human occupation following deglaciation, as well as more recent Euro-Canadian land-use history in the region. These periods are the Pre-Contact period and the Post-Contact (Historic) period.

4.1.1 PRE-CONTACT PERIOD

The pre-contact period in Ontario has been reconstructed, primarily, from the archaeological record and interpretations made by archaeologists through an examination of material culture and site settlement patterns. Technological and temporal divisions of the pre-contact period have been defined by archaeologists based on changes to natural, cultural, and political environments that are observable in the archaeological record. It is pertinent to state that although these divisions provide a generalized framework for understanding the broader events of the pre-contact period, they are not an accurate reflection of the fluidity and intricacies of cultural practices that spanned thousands of years. The following presents a sequence of Indigenous land-use from the earliest human occupation following deglaciation to the more recent past based on the following periods as defined by archaeologists:

- The Paleo Period
- The Archaic Period
- The Woodland Period

PALEO PERIOD

Paleo period populations were the first to occupy what is now southern Ontario, moving into the region following the retreat of the Laurentide Ice Sheet approximately 11,000 years before present (BP). The first Paleo period populations to occupy southern Ontario are referred to by archaeologists as Early Paleo (Ellis & Deller, 1990).

Early Paleo period groups are identified by their distinctive projectile point morphological types, exhibiting long grooves, or 'flutes', that likely functioned as a hafting mechanism (method of attaching the point to a wooden shaft). These Early Paleo group projectile point types include Gainey (ca. 10,900 BP), Barnes (ca. 10,700), and Crowfield (ca. 10,500) (Ellis & Deller, 1990). By approximately 10,400 BP, Paleo projectile points transitioned to various unfluted varieties, such as Holcombe (ca. 10,300 BP), Hi Lo (ca. 10,100 BP), and Unstemmed and Stemmed Lanceolate (ca. 10,400 to 9,500 BP). These tool types were used by Late Paleo period groups (Ellis & Deller, 1990). Both Early and Late Paleo period populations were highly mobile, participating in the hunting of large game animals. Paleo period sites often functioned as small campsites where stone tool production and maintenance occurred (Ellis & Deller, 1990).

ARCHAIC PERIOD

By approximately 8,000 BP, climatic warming supported the growth of deciduous forests in southern Ontario. These forests introduced new flora and faunal resources, which resulted in subsistence shifts and a number of cultural adaptations. This change is reflected in the archaeological record by new tool-kits that are reflective of a shift in subsistence strategies and has been categorized as the Archaic period.

The Archaic period in southern Ontario is sub-divided into the Early Archaic (ca. 10,000 to 8,000 BP), Middle Archaic (ca. 8,000 to 4,500 BP), and the Late Archaic (ca. 4,500 to 2,800 BP) periods. Generally, in North America, the Archaic period represents a transition from big game hunting to broader, more generalized subsistence strategies based on local resource availability. This period is characterized by the following traits:

- An increase in stone tool variation and reliance on local stone sources,
- The emergence of notched and stemmed projectile point types,
- A reduction in extensively flaked tools,
- The use of native copper,
- The use of bone tools for hooks, gorges, and harpoons,
- An increase in extensive trade networks, and
- The production of ground stone tools and an increase in larger, less portable tools.

The Archaic period is also marked by population growth with archaeological evidence suggesting that, by the end of the Middle Archaic period (ca. 4,500 BP), populations had steadily increased in size (Ellis, et al., 1990).

Over the course of the Archaic period, populations began to rely on more localized hunting and gathering territories and were shifting to more seasonal encampments. From the spring into the fall, settlements were focused in lakeshore/riverine locations where a variety of different resources could be exploited. Settlement in the late fall and winter months moved to interior sites where the focus shifted to deer hunting and the foraging of wild plants (Ellis et al., 1990, p. 114). The steady increase in population size and the adoption of a more localized seasonal subsistence strategy led to the transition into the Woodland period.

EARLY AND MIDDLE WOODLAND PERIODS

The beginning of the Woodland period is defined by the emergence of ceramic technology. Similar to the Archaic period, the Woodland period is separated into three timeframes: the Early Woodland (ca. 2,800 to 2,000 BP), the Middle Woodland (ca. 2,000 to 1,200 BP), and the Late Woodland (ca. 1,200 to 350 BP) (Spence et al., 1990; Fox, 1990).

The Early Woodland period is represented in southern Ontario by two cultural complexes: the Meadowood Complex (ca. 2,900 to 2,500 BP), and the Middlesex Complex (ca. 2,500 to 2,000 BP). During this period, the life ways of Early Woodland populations differed little from that of the Late Archaic with hunting and gathering representing the primary subsistence strategies. The pottery of this period is characterized by its relatively crude construction and lack of decoration. These early ceramics exhibit cord impressions, which are likely the result of the techniques used during manufacture rather than decoration (Spence et al., 1990).

The Middle Woodland period has been differentiated from the Early Woodland period by changes in lithic tool forms (e.g. projectile points, expedient tools), and the increased decorative elaboration of ceramic vessels (Spence et al., 1990). Additionally, archaeological evidence suggests the rudimentary use of maize (corn) horticulture by the end of the Middle Woodland Period (Warrick, 2000).

In southern Ontario, the Middle Woodland has been divided into three different complexes based on regional cultural traditions: the Point Peninsula Complex, the Couture Complex, and the Saugeen Complex. These groups are differentiated by sets of characteristics that are unique to regions within the province, specifically regarding ceramic decorations.

The Point Peninsula Complex extends from south-central and eastern Ontario into southern Quebec. The northernmost borders of the complex can be found along the Mattawa and French Rivers. Ceramics are coil constructed with conical bases, outflaring rims, and flat, rounded, or pointed lips. The interior surfaces of vessels are often channelled with a comb-like implement, creating horizontal striations throughout. The exterior is smoothed, or brushed, and decoration generally includes pseudo-scallop stamps or dentate impressions. Occasionally, ceramics will have been treated with a red ochre wash (Spence et al, 1990).

The Saugeen Complex is found generally in south-central Ontario and along the eastern shores of Lake Huron. The Saugeen Complex ceramics are similar in style to Point Peninsula Complex; however, the vessels tended to be cruder than their Point Peninsula counterparts. They were characterized by coil construction with thick walls, wide necks, and poorly defined shoulders. Usually, the majority of the vessel was decorated with pseudo-scallop stamps or dentate impressions, with the latter occurring more frequently at later dates (Spence et al., 1990). The Couture Complex is found in southwestern Ontario and outside of the scope of the Study Area.

LATE WOODLAND PERIOD

There is much debate as to whether a transitional phase between the Middle and Late Woodland periods is present in southern Ontario, but it is generally agreed that the Late Woodland period begins around 1,100 BP. The Late Woodland period in southern Ontario can be divided into three cultural sub-phases: The early, middle, and late Late Woodland periods. The early Late Woodland is characterized by the Glen Meyer and Pickering cultures and the middle Late Woodland is characterized by the Uren and Middleport cultures. These groups are ancestral to the Iroquoian-speaking Neutral-Erie (Neutral), the Huron-Wendat (Huron), and Petun Nations that inhabited southern Ontario during the late Late Woodland period (Smith, 1990, p. 285).

The Pickering and Glen Meyer cultures co-existed within southern Ontario during the early Late Woodland period (ca. 1250-700 BP). Pickering territory is understood to encompass the area north of Lake Ontario to Georgian Bay and Lake Nipissing (Williamson, 1990). Glen Meyer is centred around Oxford and Norfolk counties, but also includes the southeastern Huron basin and the western extent is demarcated by the Ekfrid Clay Plain southwest of London, Ontario (Noble, 1975). Villages of either tradition were generally smaller in size (~1 ha) and composed of smaller oval structures, which were later replaced by larger structures later in the Late Woodland period. Archaeological evidence suggested a mixed economy where hunting and gathering played an important role, but small-scale horticulture was present, indicating a gradual shift from hunting-gathering to a horticultural economy (Williamson, 1990).

The first half of the middle Late Woodland period is represented by the Uren culture (700-650 BP) and the second half by the Middleport (650-600 BP). Uren and Middleport sites of the middle Late Woodland share a similar distribution pattern across much of southwestern and south-central Ontario. (Dodd et al., 1990). Significant changes in material culture and settlement-subsistence patterns are noted during this short time. Iroquois Linear, Ontario Horizontal, and Ontario Oblique pottery types are the most well-represented ceramic assemblages of the middle Late Woodland period (Dodd et al., 1990). At Middleport sites, material culture changes included an increase in the manufacture and use of clay pipes as well as bone tools and adornments (Dodd et al., 1990; Ferris & Spence, 1995).

During this period, evidence in the archaeological record of small year-round villages, secondary ossuary burials, and what are thought to be semi-subterranean sweat lodges suggest a marked increase in sedentism in southern Ontario during the Uren and Middleport cultures (Ferris & Spence, 1995). The increasing permanency of settlements was a result of the development of small-scale cultivation and a subsequent increased reliance on staple crops such as maize, beans, and squash (Dodd et al., 1990; Warrick, 2000; Ferris & Spence, 1995).

Archaeological evidence from the middle Late Woodland sites also documents increases in population size, community organization and village fissioning, and the expansion of trade networks. The development of trade networks with northern Algonquian peoples has also been inferred from findings at Middleport sites along the northern parts of southwestern and south-central Ontario. These changes resulted in the more organized and complex social structures observed in the late Late Woodland period.

During the late Late Woodland period, village size significantly increased as did the complexity of community and political systems. The settlement patterns of the period can be categorized into three types: large village sites, smaller hamlets or cabin sites, and special resource extraction sites. The larger villages and smaller hamlets are typically on small creeks with sandy soils suitable for agriculture. Both larger village and small hamlet sites were both typically surrounded by palisades and activities were focused on subsistence (Lennox & Fitzgerald, 1990, p. 441). Larger longhouses oriented differently than others in the village have been associated with primary familial groups, while longhouses that were located outside of palisade walls may have been for visiting groups for the purposes of trade or social gatherings (Ramsden, 1990). The cabin sites were occupied on a more seasonal basis and typically only had one or two longhouses. By this time, large-scale agriculture had taken hold, making year-round villages even more practical with the improved ability to store large crop yields over winter.

The villages in the vicinity of the Study Area were typically associated with the Huron-Wendat nations who occupied areas as far east as the Trent River and as far west as the Niagara Escarpment. They typically inhabited each village for several decades until the agricultural land was exhausted and communities moved to more fertile areas. Throughout the fifteenth and sixteenth century, community movement often included northern migrations and the incorporation of multiple smaller villages into larger coalescent villages.

The Huron-Wendat eventually dispersed from the Toronto area in the 17th century, during the period of French contact, to settle in their historic homeland of Wendake, which included territory in present-day Simcoe and Grey Counties. Today, "Wendake" is the name of the Huron-Wendat reserve located in Quebec, Ontario, which was formerly known as the village of Huronia. This coalescence and subsequent movement northward was thought to be the result of a number of socio-political factors, including increased conflict with the Five Nations Iroquois, an increased complexity in political organization, stronger trade relations with northern Algonquian groups, and interactions with early European traders (Ramsden, 1990; Birch, 2012; Ferris & Spence, 1995).

Oral histories of the Michi Saagiig (Mississauga Anishinaabeg) reflect increasing levels of inter-community relationships, integration, and trade between different groups. For example, these oral histories speak to the arrival of, and relationships with, the Huron “corn growers” (Migizi & Kapyrka, 2015, pp. 127-136). In addition to archaeological interpretations, oral histories also provide a valuable contribution to our understanding of the occupation and movement of Indigenous peoples in Ontario. The following oral history, provided by Michi Saagiig elder Gitiga Migizi, speaks to the occupation of this area of southern Ontario by the Anishinaabeg throughout the pre-contact and post-contact periods:

The traditional homelands of the Michi Saagiig (Mississauga Anishinaabeg) encompass a vast area of what is now known as southern Ontario. The Michi Saagiig occupied and fished the north shore of Lake Ontario where the various tributaries emptied into the lake. Their territories extended north into and beyond the Kawarthas as winter hunting grounds on which they would break off into smaller social groups for the season, hunting and trapping on these lands, then returning to the lakeshore in spring for the summer months.

The Michi Saagiig were a highly mobile people, travelling vast distances to procure subsistence for their people. They were also known as the “Peacekeepers” among Indigenous nations. The Michi Saagiig homelands were located directly between two very powerful Confederacies: The Three Fires Confederacy to the north and the Haudenosaunee Confederacy to the south. The Michi Saagiig were the negotiators, the messengers, the diplomats, and they successfully mediated peace throughout this area of Ontario for countless generations.

Michi Saagiig oral histories speak to their people being in this area of Ontario for thousands of years. These stories recount the “Old Ones” who spoke an ancient Algonquian dialect. The histories explain that the current Ojibwa phonology is the 5th transformation of this language, demonstrating a linguistic connection that spans back into deep time. The Michi Saagiig of today are the descendants of the ancient peoples who lived in Ontario during the Archaic and Paleo periods. They are the original inhabitants of southern Ontario, and they are still here today.

The traditional territories of the Michi Saagiig span from Gananoque in the east, all along the north shore of Lake Ontario, west to the north shore of Lake Erie at Long Point. The territory spreads as far north as the tributaries that flow into these lakes, from Bancroft and north of the Haliburton highlands. This also includes all the tributaries that flow from the height of land north of Toronto like the Oak Ridges Moraine, and all of the rivers that flow into Lake Ontario (the Rideau, the Salmon, the Ganaraska, the Moira, the Trent, the Don, the Rouge, the Etobicoke, the Humber, and the Credit, as well as Wilmot and 16 Mile Creeks) through Burlington Bay and the Niagara region including the Welland and Niagara Rivers, and beyond. The western side of the Michi Saagiig Nation was located around the Grand River which was used as a portage route as the Niagara portage was too dangerous. The Michi Saagiig would portage from present-day Burlington to the Grand River and travel south to the open water on Lake Erie.

Michi Saagiig oral histories also speak to the occurrence of people coming into their territories sometime between 500-1000 A.D. seeking to establish villages and a corn growing economy – these newcomers included peoples that would later be known as the Huron-Wendat, Neutral, Petun/Tobacco Nations. The Michi Saagiig made Treaties with these newcomers and granted them permission to stay with the understanding that they were visitors in these lands. Wampum was made to record these contracts, ceremonies would have bound each nation to their

respective responsibilities within the political relationship, and these contracts would have been renewed annually (see Gitiga Migizi and Kapyrka, 2015). These visitors were extremely successful as their corn economy grew as well as their populations. However, it was understood by all nations involved that this area of Ontario were the homeland territories of the Michi Saagiig.

The Odawa Nation worked with the Michi Saagiig to meet with the Huron-Wendat, the Petun, and Neutral Nations to continue the amicable political and economic relationship that existed – a symbiotic relationship that was mainly policed and enforced by the Odawa people.

Problems arose for the Michi Saagiig in the 1600s when the European way of life was introduced into southern Ontario. Also, around the same time, the Haudenosaunee were given firearms by the colonial governments in New York and Albany which ultimately made an expansion possible for them into Michi Saagiig territories. There began skirmishes with the various nations living in Ontario at the time. The Haudenosaunee engaged in fighting with the Huron-Wendat and between that and the onslaught of European diseases, the Iroquoian speaking peoples in Ontario were decimated.

The onset of colonial settlement and missionary involvement severely disrupted the original relationships between these Indigenous nations. Disease and warfare had a devastating impact upon the Indigenous peoples of Ontario, especially the large sedentary villages, which mostly included Iroquoian speaking peoples. The Michi Saagiig were largely able to avoid the devastation caused by these processes by retreating to their wintering grounds to the north, essentially waiting for the smoke to clear.

Often times, southern Ontario is described as being “vacant” after the dispersal of the Huron-Wendat peoples in 1649 (who fled east to Quebec and south to the United States). This is misleading as these territories remained the homelands of the Michi Saagiig Nation.

The Michi Saagiig participated in eighteen treaties from 1781 to 1923 to allow the growing number of European settlers to establish in Ontario. Pressures from increased settlement forced the Michi Saagiig to slowly move into small family groups around the present-day communities: Curve Lake First Nation, Hiawatha First Nation, Alderville First Nation, Scugog Island First Nation, New Credit First Nation, and Mississauga First Nation. The Michi Saagiig have been in Ontario for thousands of years, and they remain here to this day.

Migizi and Kapyrka pp. 127-136 (2015)

Early contact with European settlers at the end of the Late Woodland period resulted in extensive changes to the traditional lifestyles of most populations inhabiting Ontario including settlement size, population distribution, and material culture. The introduction of European-borne diseases significantly increased mortality rates, resulting in a drastic drop in population size (Warrick, 2000).

4.1.2 POST-CONTACT PERIOD

Indigenous communities were the first occupants of what is now Ontario. Over time, distinct Indigenous groups' lands and territories shifted in response to physiographic changes, resource fluctuation, and changes in settlement strategies. The Study Area, found within the City of Brampton, is situated within land negotiated under Treaty 19, the Ajetance Purchase.

The treaty was signed on October 28, 1818, by representatives of the Crown and Anishinaabe peoples. The territory described in the written Treaty covers approximately 6,500 km² (Government of Ontario, 2018). Current communities in the area include Brampton, Georgetown, and the Caledon “Badlands”.

4.1.3 EURO-CANADIAN CONTEXT

COUNTY OF PEEL

From 1783 to 1787 the British government negotiated a series of treaties to acquire lands along the north shore of Lake Ontario from the Mississaugas of the Credit except for a portion of land that ran between Etobicoke Creek and Burlington Bay, which came to be known as the “Mississauga Tract.” The land surrounding the tract was used to settle United Empire Loyalists that were displaced from the American colonies during the Revolutionary War in 1783 (Riendeau, 1985). In 1818, as settlement in the area increased, the Crown conducted the Ajetance Purchase, acquiring part of the Mississauga Tract, which included what was to become known as the Townships of Albion, Caledon, Chinguacousy and Toronto Gore (Heyes, 1961).

In 1854, the County of Peel was established and was named after Sir Robert Peel, Prime Minister of Great Britain. Originally, the County was united with the County of York, but many inhabitants wanted independent county status. In October of 1866, a vote was taken that favoured separation, and eventually, the Village of Brampton was chosen as the county town. On January 22, 1867, the first county council of Peel met at the newly constructed courthouse in Brampton. At this time, the County of Peel included the Townships of Albion, Caledon, Chinguacousy, Toronto, and Toronto Gore, and the Town of Brampton and Village of Streetsville (Mika & Mika, 1983).

The Townships of Caledon and Chinguacousy were both surveyed in 1819 and settlement occurred shortly after by United Empire Loyalists. The land within the area was sold in parcels to individuals as well as awarded to soldiers in lots under the stipulation that a percentage of the land be cleared and planted. In the early settlement days, the county had an established industry of timber, specifically tall pines used as masts on the British Navy ships (Riendeau, 1985). As more land was cleared and settled, a new industry was needed to sustain the economy of the county. In the 1850s, by capitalizing on the trade demands with the United States, the County of Peel was established as an agricultural hub. Rather than focusing on cereal crops, the county developed a niche in the breeding of livestock and dairy industries. These agricultural industries brought economic growth to the county well into the early 1900s (Riendeau, 1985).

The Regional Municipality of Peel incorporated on October 15, 1973, and includes the City of Brampton, the City of Mississauga and the Town of Caledon (Mika & Mika, 1983).

TORONTO GORE TOWNSHIP

Named for its triangular shape, the Gore of Toronto Township is located between the Townships of Chinguacousy, Toronto, Vaughan, and Etobicoke (Walker and Miles, 1877). The township was surveyed in 1818, Archibald McVean was among the first settlers in 1819. By 1841, the population of Gore in was 1,145, by 1871 it climbed to 1,559. Several historical villages were once located within Toronto Gore, including Claireville, Ebenezer, Castlemore, Wildfield and Coleraine.

CITY OF BRAMPTON

Brampton was incorporated as a village in 1852, and as a town in 1873. Mr. William Buffy is credited as being an early settler in the town, having built the first tavern within its boundaries, which is said to have been the first substantial building within the town (Walker and Miles, 1877). Brampton had a predominantly agricultural economy with few other industries until the introduction of a railway in the mid-nineteenth century, which connected it with towns and cities in the surrounding area. Prior to the addition of the railway, the main trade routes to and from Brampton consisted of plank roads, which were found to be unreliable in wet weather and in constant need of repair. The Grand Trunk Railway was opened on June 16, 1856, providing a reliable route to Toronto and other areas, and creating an economic boom. The Peel Courthouse was completed in 1876 and it became a county seat until 1974 (Loverseed, 1987). Brampton housed a large greenhouse industry and was described as the most important agricultural supply point within the mainly agricultural tract of land to the north of Toronto (Chapman and Putnam, 1984). In 1974, the City of Brampton was created from the Town of Brampton, Toronto Gore Township and the southern half of Chinguacousy Township and a portion of the Town of Mississauga (Moreau, 2012).

4.1.4 HISTORICAL MAPPING REVIEW

A review of historical mapping and aerial photography was undertaken to understand the changing landscape and built environment within the Study Area. To determine the presence of historical features, nineteenth century historical county maps, twentieth century topographic maps, and aerial photos were reviewed. While these maps and photographs were not the only visual sources consulted for the purposes of this study, they were determined to provide the best overview of land development in the Study Area. The maps and aerial photos consulted include: the 1859 Historic Map of the County of Peel, the 1877 Illustrated Historical Atlas of the County of Peel, the 1914 and 1915 Topographic Maps from the Department of Militia and Defence, the 1933 and 1934 Topographic Maps from the Department of National Defence, the 1938 and 1940 Topographic Maps from the Department of National Defence, the 1954 Aerial, and the 2003 and 2004 Google Earth Aerials.

The 1859 Historic Map of the County of Peel (Figure 2) indicates that the present-day Finch Avenue West was constructed, and that the Study Area constituted a rural landscape. Landowners are listed for each lot within the Study Area, however no structures are illustrated. Lots 14 and 15, Concession VIII and Lot 15, Concession IX were owned by John P. De la Haye Esq; and Lot 14, Concession IX was owned by William Porter. The Humber River is depicted immediately north of the Study Area.

The 1877 Illustrated Historical Atlas of the County of Peel (Figure 3) depicts J. P. De la Haye as owning Lot 15, Concession VIII and Lot 15 Concession IX; and William Watson and Dr. J. Kaye owning parts of Lot 14, Concession VIII. William Porter is depicted as owning Lot 14, Concession IX. There is a single structure in Lot 14, Concession VIII on William Watson's land.

The 1914, 1915, 1934 and 1940 Topographic Maps (Figures 4-6) were reviewed to assist in documenting changes to the landscape. The topographic maps reveal a similar agricultural landscape not very different than what was depicted in the 1877 historic map. Finch Avenue West retains its presence as a main thoroughfare through the area. The structure that was illustrated in the 1877 historic map is also present in all the topographic maps.

The 1954 Aerial (Figure 7) shows little change in the agricultural landscape of the Study Area. The area retains its agricultural nature, and although the quality is difficult to discern visible buildings, one remains in the same location as recorded in the topographic maps.

The 2003 and 2004 Google Earth Aerials (Figure 8) shows large changes in the Study Area. the existing building visible from the 1877 historic map has been removed. A new flood control dam and reservoir was constructed to the north-east. The campground, waterpark, industrial complex, and housing subdivision located are also new to Study Area. The aerials also show that a CN railway has been introduced that connects with the industrial complex and the CN Brampton Yard to the north. On the whole, the agricultural fields visible in the 1954 Aerial have been replaced with industrial buildings or housing subdivisions, and the structure that was illustrated in the 1877 historic map no longer exists.

5 EXISTING CONDITIONS

5.1 SITE VISIT

A site visit was conducted on November 16, 2022 by Claire Forward, Cultural Heritage Specialist, to record the existing conditions of the Study Area. The field review was preceded by a review of available historical and current aerial photographs and maps. These photographs and maps were reviewed for any potential BHRs and CHLs that may be extant in the Study Area. The existing conditions of the Study Area are described below. Zero (0) BHRs and zero (0) CHLs were identified.

5.2 DESCRIPTION OF EXISTING CONDITIONS

The Study Area consists of an industrial complex that includes a DHL warehouse, a Canadian Blood Services Production Site and a Granite office; a Wet'n'Wild water park; the Indian Line Campground; and part of a modern subdivision. The road throughout the Study Area is asphalt with paved sidewalks. As visible from the roads in the Study Area, representative built resources include industrial buildings, waterpark landscape, campground landscape, and new construction houses. The Study Area consists of parts of Finch Avenue West, Kenview Boulevard, Parkshore Drive, Brandon Gate Drive, Rhinebank Street, and Wildfern Drive.

5.2.1 FINCH AVENUE WEST

Finch Avenue West is a paved road that is oriented north-south with two lanes of traffic in both directions, and contains a paved sidewalk shoulders (Image 1- Image 6). Both sides of the road are lined with trees and vegetation that serve as natural buffers to the surrounding property boundaries. At the north end of the road is an industrial complex and the Wet'n'Wild water park. At the south end of the road is the Indian Line Campground and a housing subdivision. All of the existing properties are not historically linked to the area, however Finch Avenue West has maintained the same orientation since at least c.1859 (as visible in Figure 2).

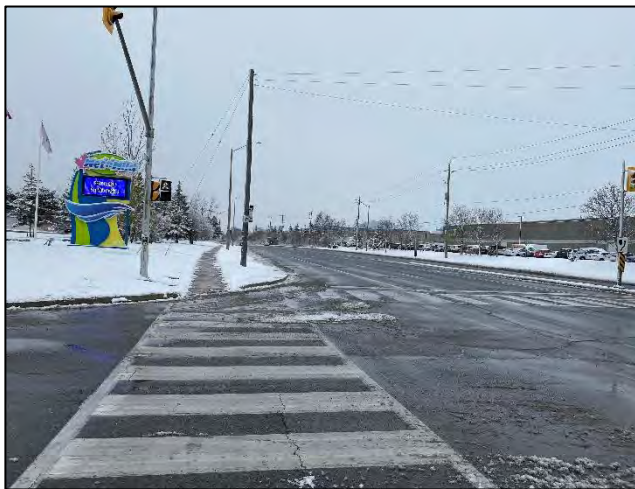


Image 1: View of the intersection of Finch Avenue West and Kenview Boulevard looking south from the north end of Finch Avenue West.



Image 2: View of Finch Avenue West looking west from the north end of the road. The existing SPS control building is visible.



Image 3: View of Finch Avenue West looking south from the middle of the road. The CN Railway is visible.



Image 4: View of Finch Avenue West looking north from the middle of the road, towards Kenview Boulevard.



Image 5: View of the Finch Avenue West from the south end of the road. The Indian Line Campground is visible.



Image 6: View of the Finch Avenue West from the south end of the road looking south.

5.2.2 KENVIEW BOULEVARD

Kenview Boulevard is a paved road that is oriented east-west with two lanes of traffic in both directions and contains a paved sidewalk shoulder on the north side of the road (Image 7-Image 8). The road contains an entrance to Parkshore Drive which leads to the industrial complex.



Image 7: View of Kenview Boulevard looking east from the west end of street.



Image 8: View of Kenview Boulevard looking to the south entrance to Parkshore Drive.

5.2.3 PARKSHORE DRIVE

Parkshore Drive is a paved road that is oriented north-south and east-west with one lane of traffic in both directions and contains a paved sidewalk shoulder on the west side of the road (Image 9-Image 10). The road contains entrances to various industrial buildings including a DHL warehouse, the Canadian Blood Services Production Site, and a Granite office.



Image 9: View of Parkshore Drive looking west toward the west end of the street.



Image 10: View of Parkshore Drive looking east towards the bend in the middle of the road.

5.2.4 BRANDON GATE DRIVE

Brandon Gate Drive is a narrow and paved road that is oriented east-west with one lane of traffic in both directions, and contains paved sidewalk shoulders (Image 11-Image 12). The road contains driveways to modern houses.



Image 11: View looking west on Brandon Gate Drive, modern houses are visible.



Image 12: View looking east on Brandon Gate Drive.

5.2.5 RHINEBANK STREET

Rhinebank Street is a narrow and paved road that is oriented north-south with one lane of traffic in both directions and contains paved shoulders and a sidewalk separated from the roadway by narrow grass verges with mature trees spaced at regular intervals (Image 13-Image 14). Driveways to modern houses exit into the road.



Image 13: View looking north on Rhinebank Street.



Image 14: View looking south on Rhinebank Street.

5.2.6 WILDFERN DRIVE

Wildfern Drive is a narrow and paved road that is oriented north-south and east-west with one lane of traffic in both directions and contains paved shoulders and sidewalks separated by grass verges with mature trees (Image 15-Image 18). The road contains driveways to modern houses.



Image 15: View looking west on Wildfern Drive.



Image 16: View looking east on Wildern Drive.



Image 17: View of a typical detached dwelling on Wildfern Drive.



Image 18: View of a typical semi-detached dwelling on Wildfern Drive.

5.3 PREVIOUS CULTURAL HERITAGE ASSESSMENTS

There have been no previous cultural heritage assessments with a Study Area that overlaps the current Study Area.

Additional cultural heritage assessments have been completed for nearby resources with relevance to the project Study Area. These include:

- Heritage *Impact Assessment 8712 Claireville Conservation Road (Lot 5, Concession VIII ND, Geographic Township of Toronto Gore, City of Brampton, Ontario)* (UMCA, 2009); and
- Cultural *Heritage Resource Assessment: Built Heritage Resources and Cultural Heritage Landscapes Existing Conditions and Preliminary Impact Assessment for the 407 Transitway – West of Hurontario Street to East of Highway 400* (ASI, 2017).

5.4 IDENTIFIED CULTURAL HERITAGE RESOURCES

A desktop study and a field visit were completed to identify known and potential BHRs and CHLs older than 40 years of age located within or adjacent to the Study Area as described in Section 3. A review was conducted to determine previously identified heritage resources documented within or adjacent to the Study Area, including listed (registered non-designated) and designated properties, heritage conservation districts and known CHLs. This included a review of the City of Brampton's Heritage Registers (2021). Zero (0) BHRs and zero (0) CHLs were identified in the Study Area.

During the field review, the Study Area was examined for potential heritage resources by employing a high-level and cursory assessment based on an understanding of the criteria identified in the MCM's *Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes*. As a result of this review, no BHRs nor CHLs were identified in the Study Area.

6 PRELIMINARY IMPACT ASSESSMENT

To establish potential impacts, any identified BHRs and CHLs are considered against a range of possible impacts as outlined in the MCM's *Information Bulletin 3: Heritage Impact Assessments for Provincial Heritage Properties* (2017). However, as there were no identified BHRs nor CHLs, a preliminary impact assessment has not been carried out.

7 CONCLUSIONS

The results of the background historical research and review of the secondary source materials, including historic mapping, revealed that the Study Area consists of lands that have been modified over time to include an industrial complex, a water park, a campground, and a modern subdivision.

The following provides a summary of the assessment results:

- Zero (0) BHRs and (0) CHLs were identified

8 RECOMMENDATIONS

This Cultural Heritage Report has resulted in the following recommendation:

- 1 Should future work require expansion of the Finch Stormwater Pumping Station Upgrades EA Study Area, a qualified heritage consultant should be contacted to confirm the impacts of the proposed work on potential BHRs and CHLs.

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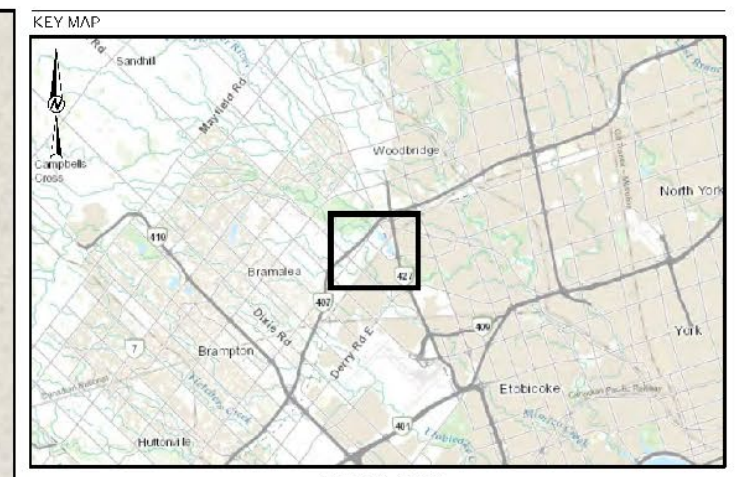
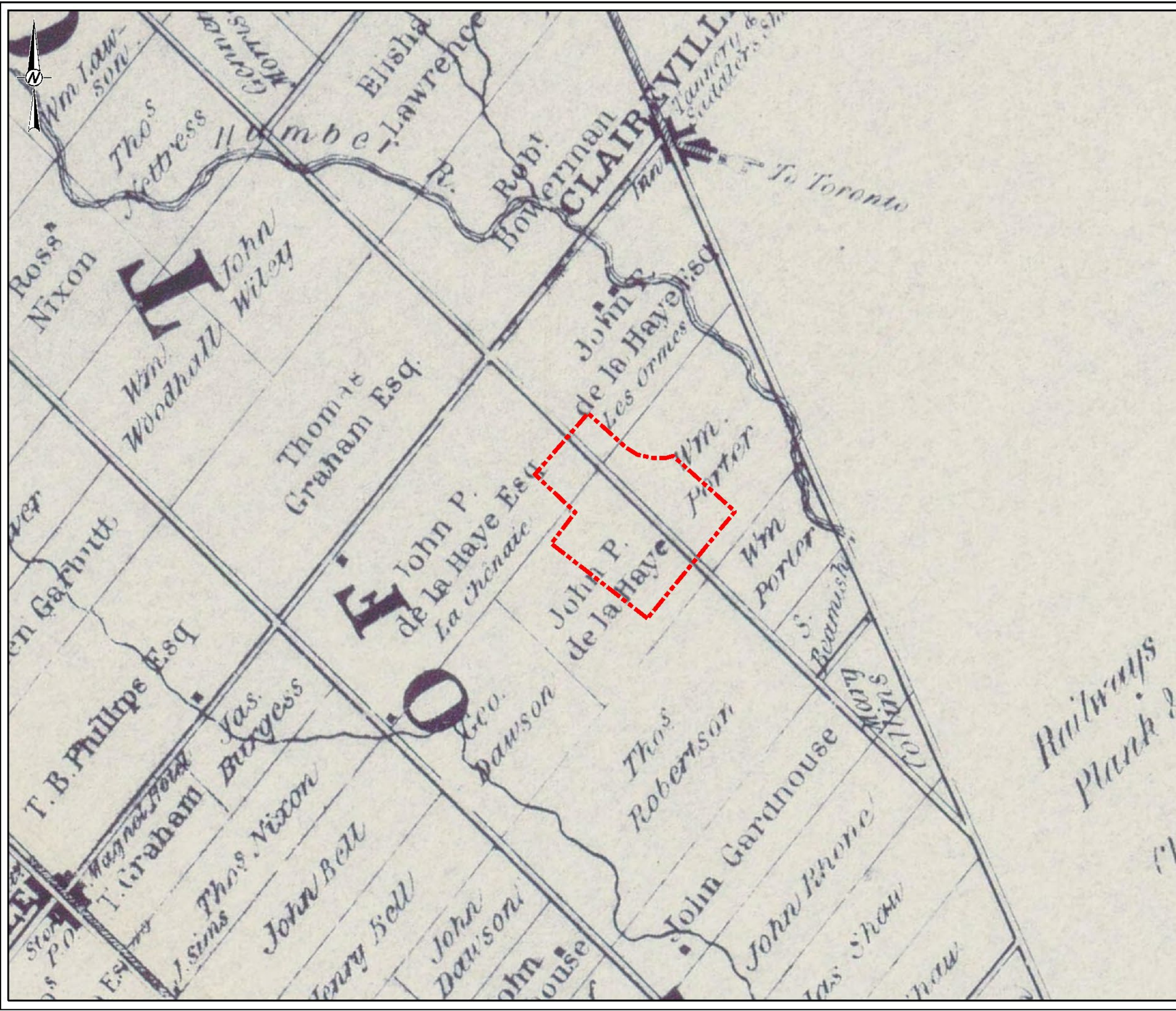
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APPENDIX

A FIGURES 2-9



SCALE 1:400,000

LEGEND
 STUDY AREA



NOTE(S)
 1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
 1. HISTORICAL MAP BY G.R. & G.M. TREMAINE, 1859
 2. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

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PROJECT
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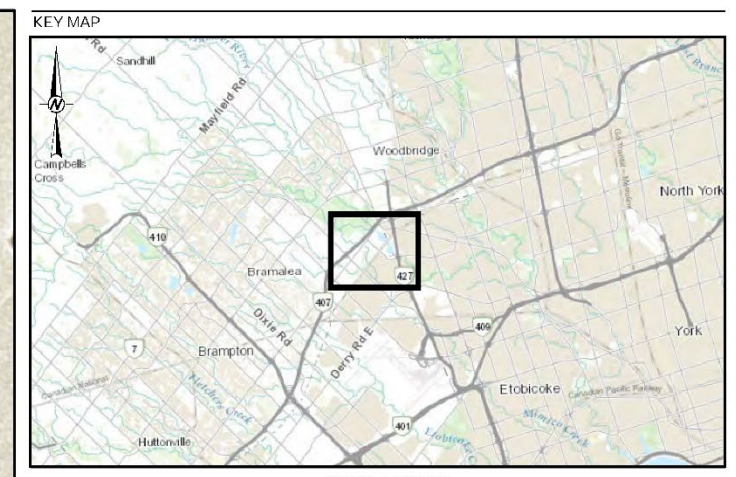
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	REVIEWED	CF
	APPROVED	JK


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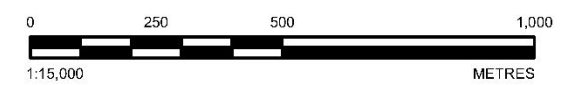
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LEGEND
 STUDY AREA



NOTE(S)
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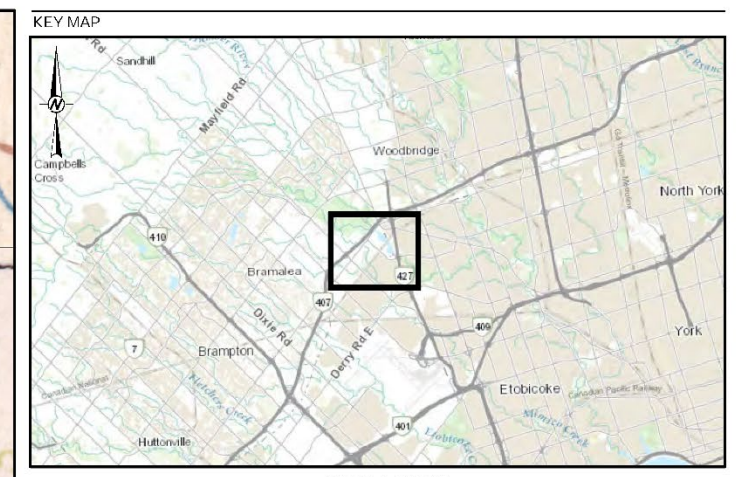
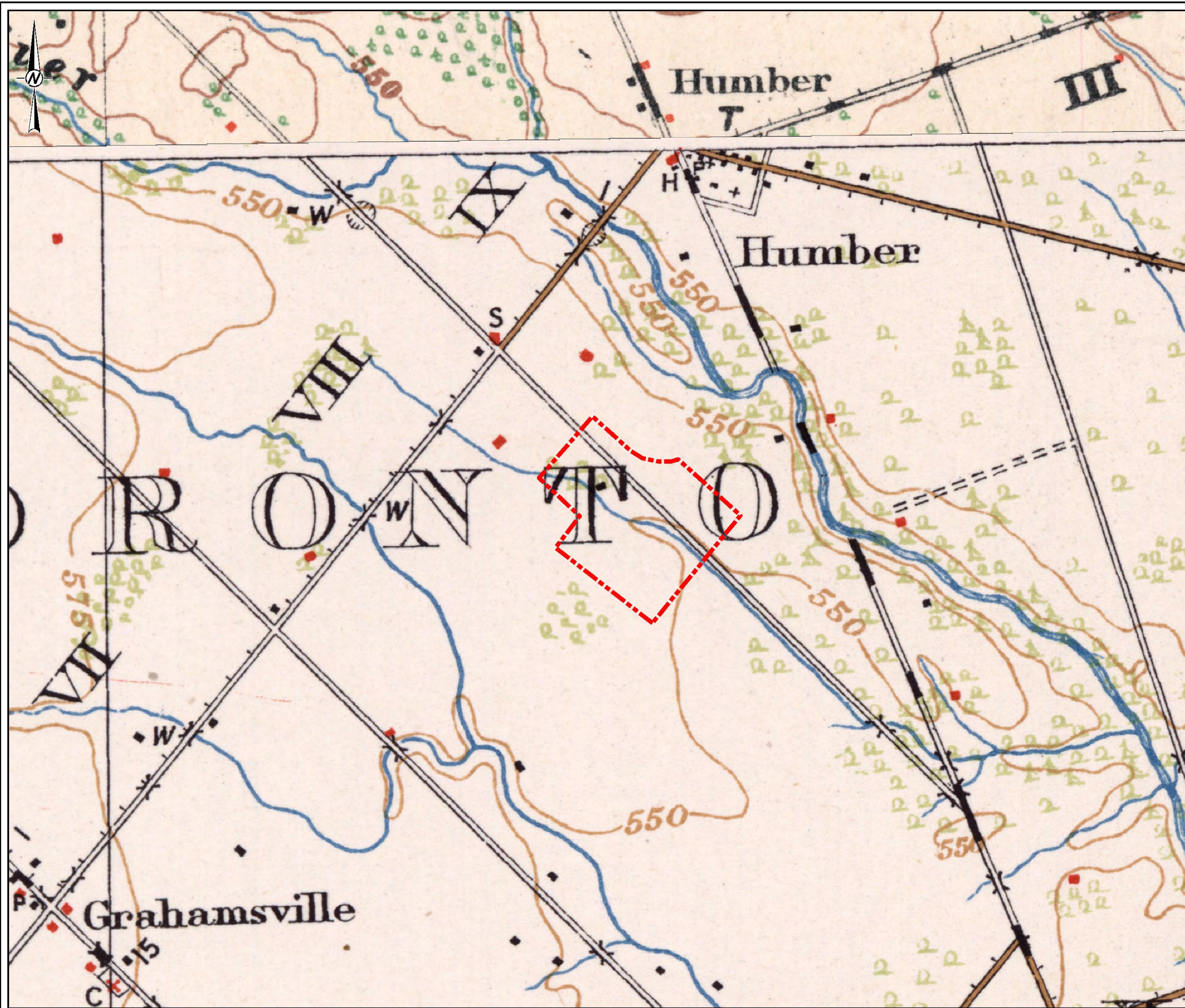
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REVIEWED	CF	
APPROVED	JK	

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LEGEND
 STUDY AREA



NOTE(S)
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REFERENCE(S)
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 2. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDINANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
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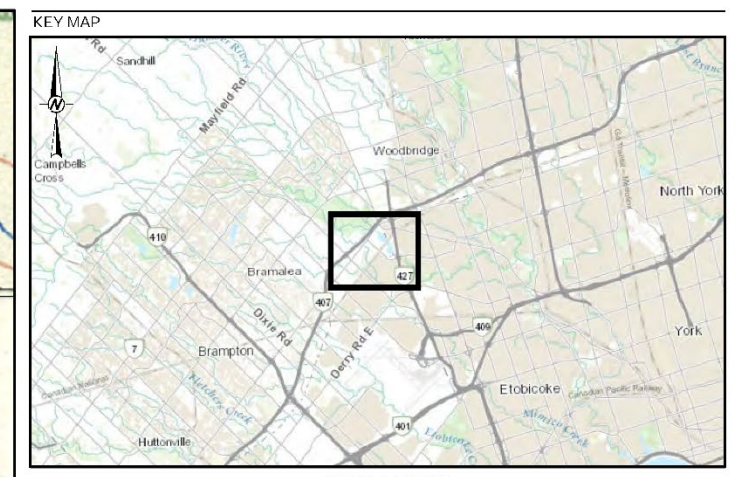
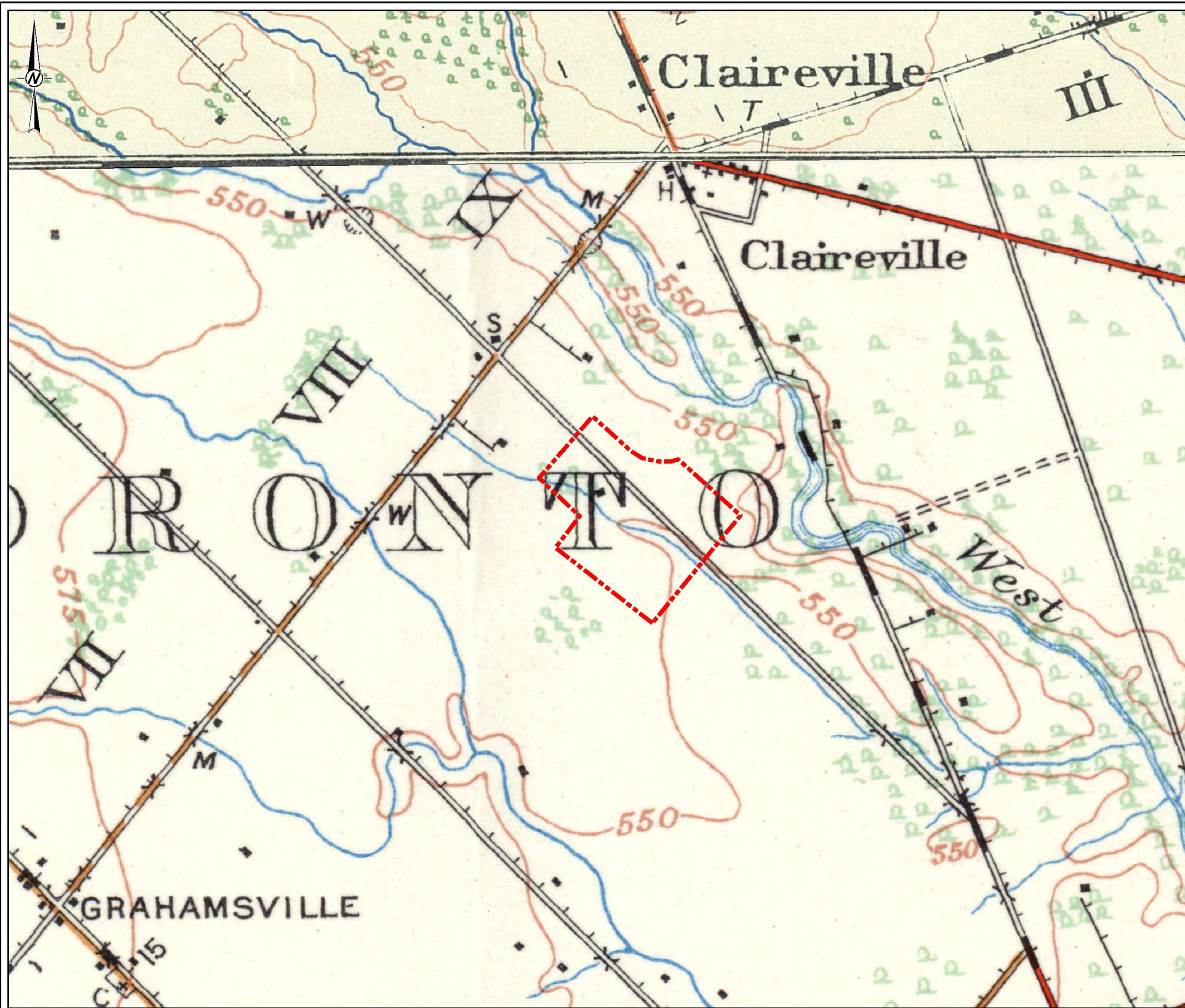
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	REVIEWED	CF
	APPROVED	JK

PROJECT NO.	CONTROL	REV.	FIGURE
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LEGEND
 STUDY AREA



NOTE(S)
 1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
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 2. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
GM BLUEPLAN ENGINEERING LIMITED

PROJECT
CULTURAL HERITAGE REPORT: FINCH STORMWATER PUMPING STATION UPGRADES

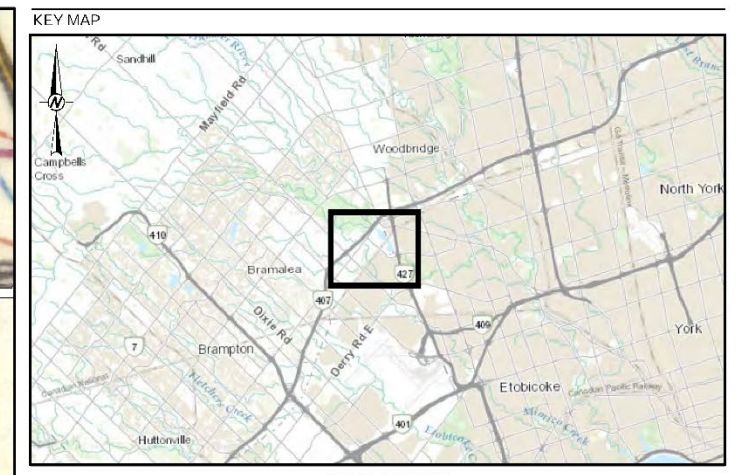
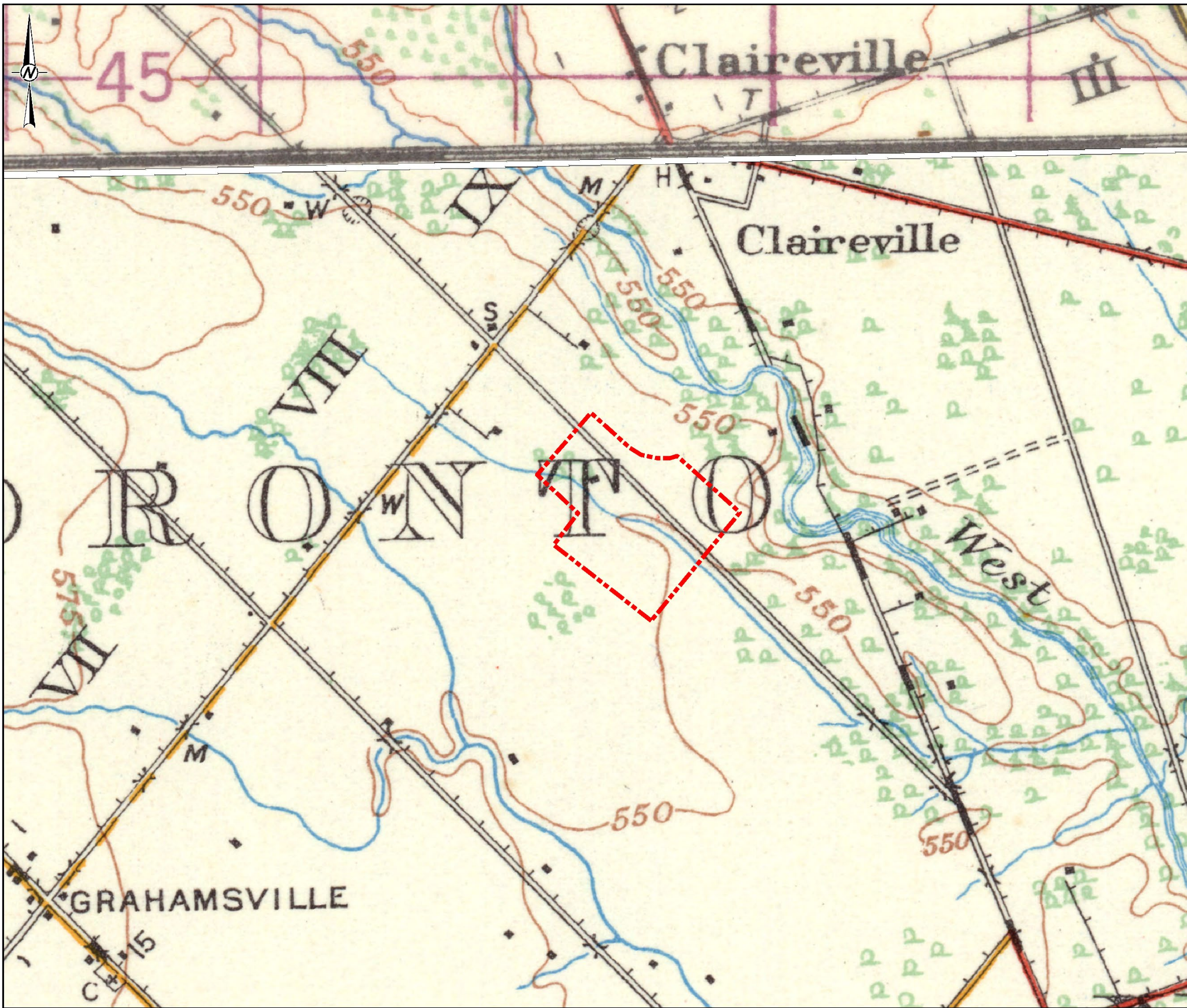
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1933 AND 1934 TOPOGRAPHIC MAPS

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	PREPARED	MG
	REVIEWED	CF
	APPROVED	JK

PROJECT NO. 221-11343-00 CONTROL 0001 REV. 0 FIGURE 5

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LEGEND
 STUDY AREA



NOTE(S)
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REFERENCE(S)
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 2. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
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PROJECT
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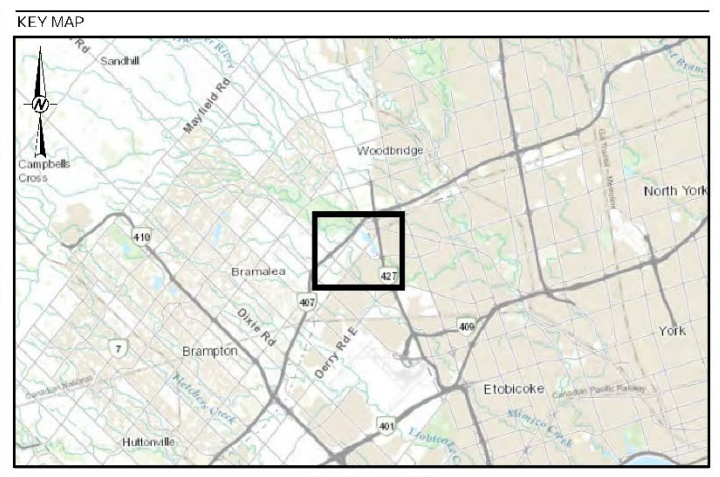
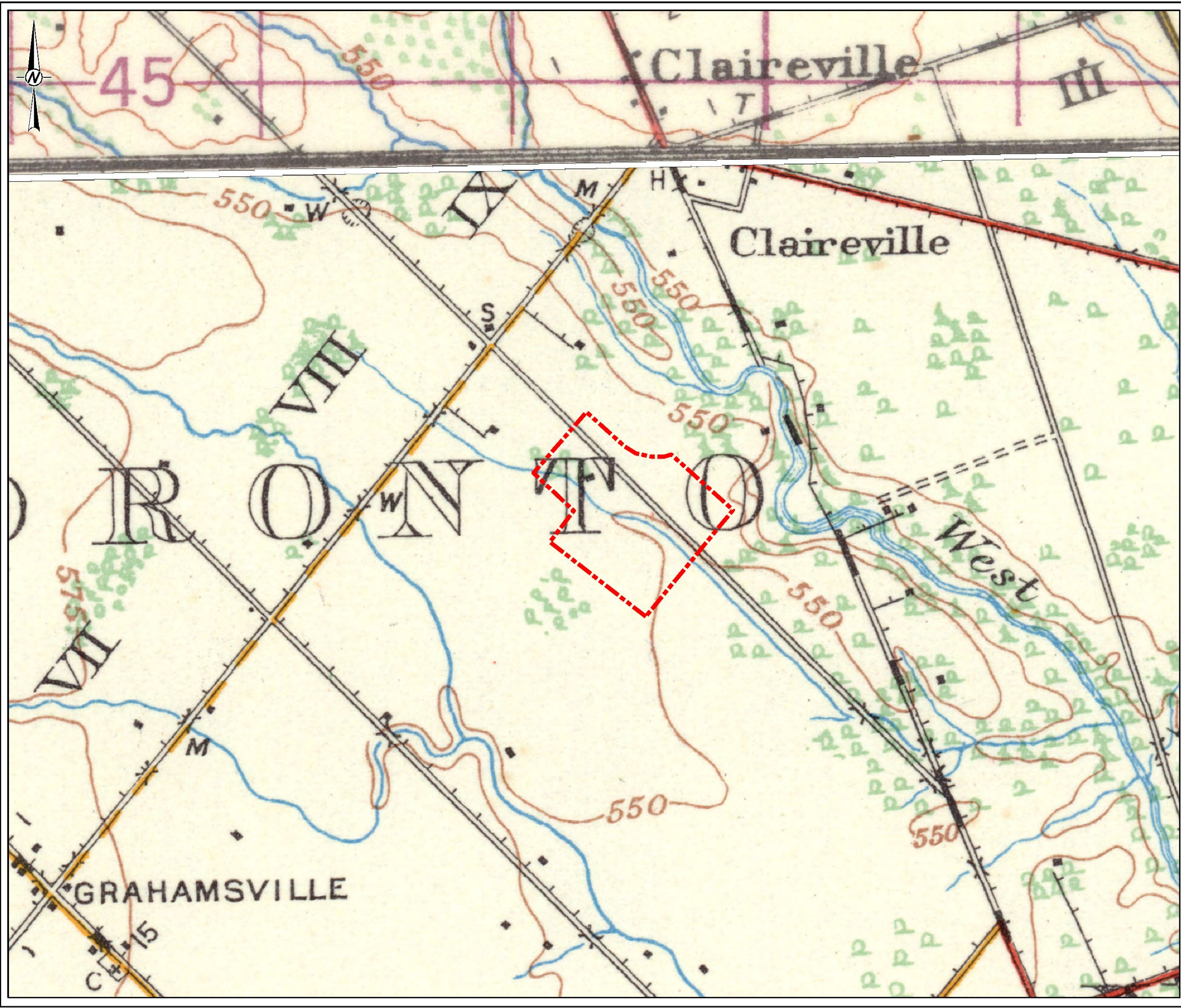
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	PREPARED	MG
	REVIEWED	CF
	APPROVED	JK

PROJECT NO. 221-11343-00	CONTROL 0001	REV. 0	FIGURE 6
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LEGEND
 STUDY AREA



NOTE(S)
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REFERENCE(S)
 1. 1938 MAP BY DEPARTMENT OF NATIONAL DEFENCE, 1938 (SHEET 030M12); 1940 MAP BY DEPARTMENT OF NATIONAL DEFENCE, 1940 (SHEET 030M13)
 2. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

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PROJECT
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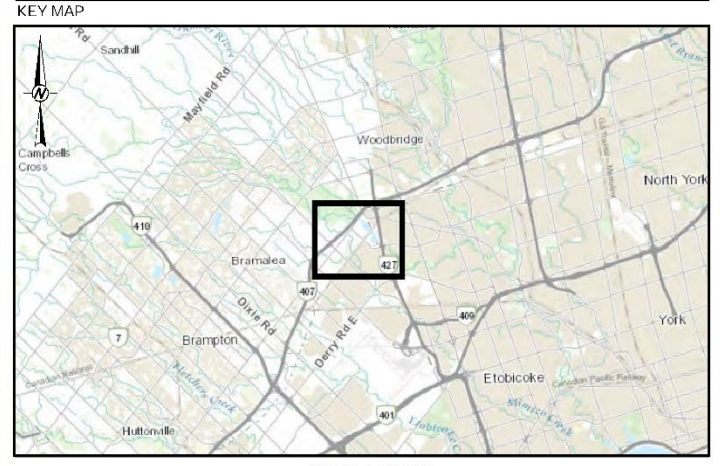
TITLE
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	APPROVED	JK

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LEGEND
 STUDY AREA



NOTE(S)
 1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
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 2. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDINANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE CITY OF TORONTO
 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
GM BLUEPLAN ENGINEERING LIMITED

PROJECT
CULTURAL HERITAGE REPORT: FINCH STORMWATER PUMPING STATION UPGRADES

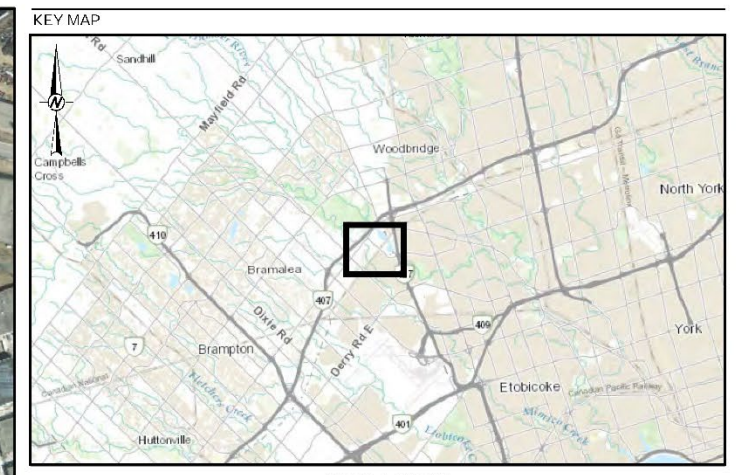
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	APPROVED	JK


PROJECT NO. 221-11343-00 CONTROL 0001 REV. 0 FIGURE 8

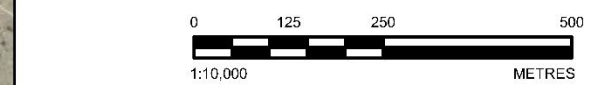
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LEGEND
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NOTE(S)
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REFERENCE(S)
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 2. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
 SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY
 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
GM BLUEPLAN ENGINEERING LIMITED

PROJECT
CULTURAL HERITAGE REPORT: FINCH STORMWATER PUMPING STATION UPGRADES

TITLE
CULTURAL HERITAGE RESOURCES

CONSULTANT	YYYY-MM-DD	2023-01-16
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	PREPARED	MG
	REVIEWED	CF
	APPROVED	JK

PROJECT NO. 221-11343-00	CONTROL 0001	REV. 0	FIGURE 9
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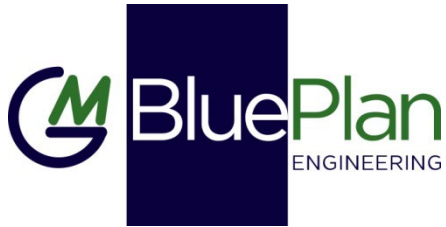
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Appendix G: Environmental Assessment Phase 1 Report

Prepared by:



Phase One Environmental Site Assessment

Finch Stormwater Pumping Station MCEA

GMBP File: 122062

February 1, 2023



EXECUTIVE SUMMARY

GM BluePlan Engineering Limited was retained by the Region of Peel to complete a Phase One Environmental Site Assessment (ESA) as part of the Finch Stormwater Pumping Station (Finch SPS) Schedule B Municipal Class Environmental Assessment (MCEA) project.

The Phase One ESA Site mainly consists of the Finch SPS, located at 7848 Finch Avenue West, Brampton, Ontario, and the associated control building where a number of upgrades are being planned based on a recent condition assessment. This Phase One ESA Site also includes the exterior portions of select neighbouring properties which are being considered as part of the MCEA process for potential property transfer or land easement creation to secure additional access to the SPS and the control building. The additional properties include portions of 102 Parkshore Drive (currently occupied by Granite), 80 and 100 Parkshore Drive (currently occupied by Canadian Blood Services), portion of CN Rail right-of-way between Finch Avenue West and the westerly extent of the 102 Parkshore Drive property as well as portion of adjacent lands between the railway right-of-way and Parkshore Drive properties. These properties are collectively referred to as the Phase One ESA Site.

The purpose of the Phase One ESA is to identify actual or potential environmental concerns or risks associated with the site that would result from current or historical land uses on the Site and on adjacent lands. This Phase One ESA was completed in general accordance with the standards set by *Canadian Standards Association Report No. Z768-01 Phase One Environmental Site Assessment* (November 2001, reaffirmed 2016) and according to the terms of reference given in Ontario Regulation 153/04 (as amended) made under the Environmental Protection Act. It is our understanding that this Phase One ESA is being conducted to support the MCEA process and that a Record of Site Condition (RSC) is not required to be filed with the Ministry of the Environment, Conservation and Parks (MECP). It is our further understanding that there are no proposed land-use changes to a more sensitive land use at the Finch SPS Site at this time.

The Phase One ESA consisted of the collection of background information pertaining to the Phase One Site and study area, including historic property use, Fire Insurance Plans, aerial photographs, mapping, City Directories, and environmental databases. Following review of this information, site reconnaissance was completed to investigate the Phase One Site and the study area.

Groundwater flow at the Phase One Site and study area is inferred to be in an easterly to southeasterly direction. The Ontario Geological Survey mapping identifies the surficial soils in the study area consisting primarily of Glaciolacustrine Deposits, with Halton Till reported to the northeast, and Modern Alluvium deposits reported to the southwest of the Site.

Based on review of MECP well records in the Site vicinity, the overburden is estimated to extend to approximately 11 to 12 metres below ground surface (mbgs), overlying the Georgian Bay Formation shale, which is interbedded with silt/sandstone and limestone bedrock.

The information collected as part of this investigation indicates that Potentially Contaminating Activities (PCAs) are/were present on the Phase One Site or vicinity, and four PCAs are considered to form four Areas of Potential Environmental Concern (APECs), as follows:

Address/ Property	Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One property	Potentially Contaminating Activity	Location of Potentially Contaminating Activity (on-site or off-site)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)	Contaminants of Potential Concern
All properties	APEC 1) Fill of Unknown Quality (associated with original development/ right-of way embankment construction)	In the vicinity of the on- site buildings/ structures, railway right-of-way embankment	PCA #30 - Fill Material of Unknown Quality	On-Site	Soil	PAHs, Metals, As, Se, Sb
7848 Finch Ave. W. (SPS control building) 80 and 100 Parkshore Drive (Canadian Blood Services)	APEC 2) Diesel fuel handling and storage	Control Building: In the vicinity of the control building/near the fill line for aboveground storage tank. Canadian Blood Services: potential fuel tank associated with diesel generator (location unconfirmed)	PCA #28 -gasoline and Associated Products Storage in Fixed Tanks	On-Site	Soil/ Groundwater	BTEX PHCs F1-F4
CN Railway right-of-way and adjacent Enbridge right-of-way	APEC 3) Railway tracks and associated embankment	Railway property/ southerly portion of Enbridge right-of-way	PCA #46 - Rail Yards, Tracks and Spurs	On-site (railway right-of-way) / Off-site (Enbridge right- of-way)	Soil	PAHs, Metals, As, Se, Sb
All properties	APEC 4) General industrial use and registered waste generation	On portions of properties considered for easements	PCA # Undefined – related to industrial activities at neighbouring properties including reported registered waste generation	On-Site / Off-Site	Soil and Groundwater	BTEX, PHCs F1-F4, VOCs

*PHCs = petroleum hydrocarbons, VOCs = volatile organic compounds, PAHs = polycyclic aromatic hydrocarbons, Na = sodium, Cl- = chloride, SAR = Sodium Adsorption Ratio, EC = electrical conductivity, As – Arsenic, Se – Selenium, Sb - Antimony

Figures 5 illustrates the identified PCAs on the subject Sites and vicinity (where applicable). Figures 6 illustrates the identified APECs on the subject Sites.

Additional investigation is recommended to further investigate the identified APECs and the potential presence of environmental impacts. The investigation should be supplemented with additional investigation activities to support (as applicable):

- Excess soil management (i.e., meet regulatory requirements under O.Reg. 406/19), and,
- Construction dewatering and discharge management planning.

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APPENDICES

APPENDIX A: FIRE INSURANCE PLANS SEARCH

APPENDIX B: CITY DIRECTORY

APPENDIX C: ENVIRONMENTAL RISK INFORMATION SERVICE (ERIS) REPORT

APPENDIX D: MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS

APPENDIX E: REGION OF PEEL WASTE DISPOSAL SITE INFORMATION

APPENDIX F: MECP WELL RECORDS

APPENDIX G: TECHNICAL STANDARDS AND SAFETY AUTHORITY

APPENDIX H: SELECT SITE PHOTOGRAPHS

FINCH STORMWATER PUMPING STATION MCEA
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

FEBRUARY 1, 2023

GMBP FILE: 122062

1. INTRODUCTION

GM BluePlan Engineering Limited (GM BluePlan) was retained by the Region of Peel to complete a Phase One Environmental Site Assessment (ESA) as part of the Finch Stormwater Pumping Station (Finch SPS) Schedule B Municipal Class Environmental Assessment (MCEA) project. The Finch SPS is located at 7848 Finch Avenue West in Brampton, Ontario.

The Phase One ESA Site is mainly limited to the Finch SPS and the associated control building (hereafter referred to as the Phase One property) where a number of upgrades are being planned based on a recent condition assessment. The Phase One ESA Site also encompasses exterior portions of select neighbouring properties which are being considered as part of the MCEA process for potential property transfer or land easement creation to secure additional access to the Finch SPS and the control building. The Phase One ESA study area encompasses the lands within 250 m of the Site. The Phase One ESA Site showing the SPS and individual properties as well as the ESA Study Area are presented on Figures 1 and 2.

1.1 Phase One Site Information

The Finch Avenue Stormwater Pumping Station (SPS) is located at 7848 Finch Avenue West, on west side of Finch Avenue West between Steeles Avenue and Highway 427 in Brampton, Ontario. The lands on which the SPS and the control building are located are owned by the Region of Peel. Based on current use as a SPS, the land use is considered Industrial.

The station is designed to lift stormwater from a local drainage area, including the Finch Avenue West railway underpass, into a nearby storm sewer. This Type II pumping station consists of a circular wet well and a generator/control building located approximately 200 metres north of the wet well along the west side of Finch Avenue West.

The Finch SPS is owned by the Region of Peel. The contact information is as follows:

Region of Peel
10 Peel Centre Drive
Brampton, ON L6T 4G4

This Phase One ESA also considers the exterior portion of the following properties:

- 102 Parkshore Drive, currently occupied by Granite,
- 80 and 100 Parkshore Drive currently occupied by Canadian Blood Services, and,
- Portion of CN Rail right-of-way (between Finch Avenue West and westerly limit of 102 Parkshore Drive property).
- Portion of natural gas pipeline right-of-way, located north of the CN Rail right-of-way and south of the 80 to 102 Parkshore Drive properties.

The buildings and associated structures at the adjacent properties (i.e., 80, 100, and 102 Parkshore Drive) are not considered to be part of the Phase One ESA Site because the proposed upgrades project will not intersect the land area immediately occupied by the buildings.

The Phase One Site is located in a residential, industrial and recreational land use setting, as shown on Figure 1 and Figure 2.

2. SCOPE OF INVESTIGATION AND METHODOLOGY

The purpose of the Phase One ESA is to identify the actual or potential environmental concerns or risks associated with a property that would result from current or historical land uses on-Site and on adjacent lands. This Phase One ESA was completed in general accordance with the standards set by *Canadian Standards Association Report No. Z768-01 Phase One Environmental Site Assessment* (November 2001, reaffirmed 2016) and according to the terms of reference given in Ontario Regulation 153/04 (as amended) made under the Environmental Protection Act.

It is our understanding that this Phase One ESA is being conducted to support the MCEA process and that a Record of Site Condition (RSC) is not required to be filed with the Ministry of the Environment, Conservation and Parks (MECP) for the properties included in this Phase One ESA. It is our further understanding that there are no proposed changes to a more sensitive land use at the Finch SPS property at this time.

3. METHODOLOGY

The Phase One ESA process generally involves the following tasks:

- Review of environmental records,
- Reconnaissance of the Site,
- Interviews with person(s) with knowledge of the Site,
- Assessment of Potentially Contaminating Activities (PCAs), and,
- Identification of Areas of Potential Environmental Concern (APECs).

The review of environmental records, or “desktop study”, involves the obtainment and review of a variety of relevant documents, reports, and available background information to develop knowledge about the physical setting, the history, and the land use activities of the Site and its surroundings. For this assessment, the ESA study Site will generally be limited to the SPS and the control building properties, as well as the exterior portions of select neighbouring properties which are being considered as part of the MCEA process for potential property transfer or easement creation to secure additional access to the SPS and the control building. The Phase One ESA study area encompasses the lands within 250 m of the Site.

The desktop study involves the review of the following sources of information:

- Aerial photographs of the Site and study area (images available from City of Mississauga GIS, summarized in Section 4.3.1),
- Fire insurance plans (FIPs), insurance reports and site plans, as available (Appendix A),
- City Directory records (Appendix B),
- Environmental database records searches, provided by third-party consultant, Environmental Risk Information Services (ERIS) (i.e., the ERIS Report, Appendix C),
- Other public records, such as approvals, convictions and compliance orders, available by request from MECP via Freedom of Information (FOI) request (Appendix D),
- Region of Peel waste disposal site information (Appendix E) and the MECP Waste Disposal Site Inventory (1991) as presented in ERIS (2022),
- Topographic, physiographic and geological information obtained from public sources such as the Ontario Geological Survey (OGS),

- Water well records available from the MECP (Appendix F),
- Fuel storage and fuel outlet information from the Technical Standards and Safety Authority (TSSA) (Appendix G),

The site reconnaissance stage involves a GM BluePlan staff member attending the property to make observations of the Site and on-site activities. Observations of adjacent and/or other neighbouring properties are also made from publicly accessible rights-of-way. The intent of these observations is to characterize current and historical land use and the environmental condition of the Site and surroundings. Observations may include descriptions of buildings, stored materials, staining, nature of activities at the Site and surroundings, vegetation or other ecological distress, as applicable, which may indicate the presence or effects of environmental impacts. Photographs are taken during the reconnaissance to document the observations. A site reconnaissance and inspection of the Phase One property (Finch SPS) and general observations of the study area were completed on October 13 and 19, 2022, by Mr. Mark Ongarato, B. Sc. Of GM BluePlan. Select Site photographs are enclosed in Appendix H.

An interview with a person who has knowledge of the Site provides additional specific information about land use and other activities conducted at the Site as they may relate to potential for environmental risks or impacts.

It is noted that a Phase One ESA gathers information only through records review and visual observation. This Phase One ESA does not involve intrusive investigation such as the drilling of boreholes, digging of test pits, installation of monitoring wells, the collection or laboratory analyses of samples of soil or groundwater.

The information collected through the records review, the site reconnaissance and the interview is then assessed to identify Potentially Contaminating Activities (PCAs), which are activities which indicate an elevated potential for causing environmental impacts. Table 2 of Part VI of O.Reg. 153/04 (as amended) provides a list of PCAs, though other PCAs may be identified on an *ad hoc* basis to support the assessment and/or characterization of environmental risk regarding the ESA Site. Examples of PCAs include a variety of industrial and commercial activities, such as the storage of fuel or related products, the repair or servicing of vehicles, landfill sites, sewage treatment facilities and more.

The assessment of the PCAs may result in the identification of Areas of Potential Environmental Concern (APECs), which are those parts of the Site which are considered to have elevated potential environmental risk resulting from one or more of the identified PCAs. The APECs generally include a description of the environmental media that may be affected (e.g., soil, groundwater or sediment), and preliminary identification of Contaminants of Potential Concern (COPCs) at that location. APECs may then be recommended for further investigation, such as through environmental sampling in the context of a Phase Two ESA, to provide greater certainty about the existence of environmental impacts at the Site.

4. RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

The Phase One study area included all properties that were in part or wholly within a 250 metre (m) radius from the Phase One Site. Through review of aerial photographs and the site reconnaissance, the 250 m radius is considered to be sufficient for the purpose of determining potential environmental concerns to the Phase One Site. The ERIS report Study Area search radius is 250 m from the Phase One ESA Site boundary (as shown on Figure 2 and in ERIS report, Appendix C).

4.1.2 First Developed Use Determination

The first developed use of the SPS Site as well as the neighbouring properties considered in the MCEA process, as inferred based on available records, is listed in Table 1. For the purposes of this identification, agricultural or recreational land uses will not be listed as the “first developed use” of a Site unless that is also the present-day land use of the Site. Certain uses have been identified from aerial photos and, due to the limited resolution of the photos and difficulty discerning land use with certainty, these uses are described as “apparent”. Date of first developed use date is listed as approximate based on available reviewed records (i.e., aerial photographs).

Table 1: First Developed Use

Property Address and Current Use	First Developed Use	Approximate Year	Notes/Source
Finch SPS 7848 Finch Avenue West	Finch Avenue West Right-of-Way	Finch Avenue West in existence prior to 1954. Finch SPS constructed circa 1984.	Finch Avenue West appears as a narrow roadway prior to 1954. In 1985, the roadway appears to have been widened. As built drawings for SPS (dated 1984).
CN Rail (railway right-of-way)	Railway right-of-way (level crossing)	Between 1954 and 1966	Finch Avenue overpass constructed between 1980 and 1985
80 and 100 Parkshore Drive (Canadian Blood Services)	Commercial/Industrial building	Between and 1997 and 2000	Aerial photographs
102 Parkshore Drive (Granite)	Commercial/Industrial building	Between and 1989 and 1992	Aerial photographs
Natural gas pipeline right-of-way	Vacant land	Unknown	It is unknown at this time, when subject land first became used as natural gas pipeline right-of-way.

4.1.3 Fire Insurance Plans

The FIPs for the Phase One Site general area were requested from Opta Information Intelligence (Opta) through ERIS. Opta reported that no FIPs or Fire Inspection Reports were found for the Phase One Site area. The response from Opta is provided in Appendix A.

4.1.4 City Directories

City Directory records for the Phase One study area obtained through ERIS include property use information from the years 1966 to 2001 in approximate five (5) year increments. The City Directory records coverage includes properties included as the Phase One ESA Site (where civic address is available) and properties within immediate vicinity. The following is a summary of the listings with City Directory records provided in Appendix B:

- Finch SPS property – no listings provided for Finch Avenue West
- CN Rail (railway right-of-way) – no civic address, no records requested
- Enbridge right-of-way – no civic address, no records requested
- 80 Parkshore Drive – Address not listed
- 100 Parkshore Drive – Prodigy Graphics Group (Printing Company, 2001)
- 102 Parkshore Drive - Brita Water Filter Systems (1996, 2001), Trupco Ltd. (2001)

Properties in the Phase One Site vicinity are generally listed as commercial/industrial business listings including Conair Consumer Products Inc., Cuisinart Ltd., Can Art Aluminum Extrusions Inc., Amram's Russ and Nizsons Ltd. in 2001. In years prior to 2001, neighbouring properties are identified as "Address/Street not Listed".

In the available City Directory records provided by ERIS at the time of preparation of this report, there were no listings that indicate uses related to dry cleaning, vehicle repair or maintenance shops on Phase One ESA Site or neighbouring properties. Additional details on properties in the study area are presented in the City Directory records (Appendix B).

4.1.5 Chain of Title

A chain of title was not obtained as part of the Phase One ESA. Current ownership based on the information available at the time of preparation of this report is as follows:

- Finch SPS (7848 Finch Avenue West) – Regional Municipality of Peel
- CN Rail railway right-of-way – Canadian National Railway Company
- 80 and 100 Parkshore Drive – Canadian Blood Services
- 102 Parkshore Drive – Granite
- Natural gas pipeline right-of-way – Minister of Government Services (Crown)/Regional Municipality of Peel

4.1.6 Previous Environmental Reports

There were no previous environmental site assessment reports provided for the Phase One ESA Site.

4.2 Environmental Source Information

4.2.1 ERIS Report

Environmental source information was obtained through ERIS who completed a search of various private, provincial and federal government environmental databases and provided available information pertaining to the Phase One property and surrounding properties within a 300 m radius of the property. Provided below is a list of databases reviewed through ERIS for environmental information for the Phase One property and study area:

Private Databases

- Anderson's Waste Disposal Sites
- Retail Fuel Storage Tanks
- Anderson's Storage Tanks
- Canadian Mine Locations
- Canadian Pulp and Paper
- ERIS Historical Searches
- Oil and Gas Wells
- Compressed Natural Gas Stations
- Automobile Wrecking & Supplies
- Scott's Manufacturing Directory
- Chemical Register

Provincial Databases

- Fuel Storage Tank – Historic
- Water Well Information System
- TSSA Variances for Abandonment of Underground Storage Tanks
- Pesticide Register
- Commercial Fuel Oil Tanks
- Ontario Regulation 347 Waste Receivers Summary

- Orders
- Environmental Activity and Sector Registry
- Ontario Oil and Gas Wells
- Ontario Spills
- Certificates of Property Use
- TSSA Pipeline Incidents
- Inventory of Coal Gasification Plants and Coal Tar Sites
- Private and Retail Fuel Storage Tanks
- Permit to Take Water
- Environmental Compliance Approval
- Landfill Inventory Management Ontario
- TSSA Historic Incidents
- Emergency Management Historical Event
- Drill Hole Database
- Ontario Regulation 347 Waste Generators Summary
- Mineral Occurrences
- Record of Site Condition
- Wastewater Discharger Registration Database
- Waste Disposal Sites - MOE CA Inventory
- TSSA Incidents
- Abandoned Mine Information System
- List of TSSA Expired Facilities
- Abandoned Aggregate Inventory
- Aggregate Inventory
- Borehole
- Certificates of Approval
- Compliance and Convictions
- Environmental Registry
- Non-Compliance Reports
- Inventory of PCB Storage Sites
- Waste Disposal Sites - MOE 1991 Historical Approval Inventory
- Fuel Storage Tank

Federal Databases

- Greenhouse Gas Emissions from Large Facilities
- Fisheries & Oceans Fuel Tanks
- National Analysis of Trends in Emergencies System (NATES)
- National Defense & Canadian Forces Fuel Tanks
- Parks Canada Fuel Storage Tanks
- National Energy Board Pipeline Incidents
- Environmental Effects Monitoring
- National Defence & Canadian Forces Waste Disposal Sites
- National Environmental Emergencies System (NEES)
- National Energy Board Wells
- Contaminated Site Inventory
- National Pollutant Release Inventory
- Transport Canada Fuel Storage Tanks
- Indian & Northern Affairs Fuel Tanks
- National PCB Inventory
- Environmental Issues Inventory System
- Contaminated Sites on Federal Land

Refer to the ERIS report for further information regarding the database sources (Appendix C).

A summary of ERIS report records for Phase One ESA Site properties is included in Table 2. Additional details on identified records are included in the ERIS report (Appendix C).

Table 2: Phase One ESA Site ERIS Report Summary (number of records in bracket)

Site ID/Address	ERIS Report Database (No. and Summary of Records)
7848 Finch Avenue West (Finch SPS)	<p>No records found for the SPS property.</p> <p>Several records in the Boreholes database for geotechnical/ geological investigation boreholes located along Finch Ave. West right-of-way in vicinity of the SPS property and beyond.</p>
CN Rail right-of-way	Borehole (5) – Geotechnical/ geological investigation boreholes
Natural gas pipeline right-of-way	<p>Borehole (3) – Geotechnical/ geological investigation boreholes</p> <p>Water Well Information System (1) – monitoring well abandonment record (2014)</p>
80 and 100 Parkshore Drive	<p>Certificates of Approval (1)</p> <ul style="list-style-type: none"> • Air approval <p>Environmental Compliance Approval (1)</p> <ul style="list-style-type: none"> • Air approval <p>Ontario Regulation 347 Waste Generators Summary (11)</p> <ul style="list-style-type: none"> • Prodigy Graphics (1999-2004) – paint/pigment/coating residues, inorganic/organic laboratory chemicals, waste oils & lubricants, photo-processing wastes, graphic art wastes • Canadian Blood Services (2011-2021) – paint/pigment/ coating residues, alkaline wastes – heavy metals/other metals, aliphatic solvents, waste (crankcase) oils & lubricants, other specified inorganics/sludges, acid waste/solutions - heavy metals, pathological wastes, inorganic/organic laboratory chemicals, graphic art wastes, alkaline solutions with heavy metals, pharmaceuticals, oil skimmings & sludges and others. <p>ERIS Historical Searches (4)</p> <ul style="list-style-type: none"> • Previous ERIS reports for this address between 2005 and 2013 <p>Scott's Manufacturing Directory (2)</p> <ul style="list-style-type: none"> • Prodigy Graphics established 1976 (digital/quick printing, support activities for printing)
102 Parkshore Drive	<p>Certificates of Approval (2)</p> <ul style="list-style-type: none"> • Air approval (2003, 2009) <p>Scott's Manufacturing Directory (3)</p> <ul style="list-style-type: none"> • Commercial and Service/All Other Industry Machinery Manufacturing <p>Environmental Activity and Sector Registry (1)</p> <ul style="list-style-type: none"> • Heating system (2014) <p>Environmental Registry (2)</p> <ul style="list-style-type: none"> • Air approval (2003, 2009) <p>Environmental Compliance Approval (4)</p> <ul style="list-style-type: none"> • Air/Noise approval (2003, 2009, 2015) <p>Ontario Regulation 347 Waste Generators Summary (14)</p> <ul style="list-style-type: none"> • Acid waste - other metals, other specified inorganics, inorganic laboratory chemicals, aliphatic solvents, alkaline wastes – other

Site ID/Address	ERIS Report Database (No. and Summary of Records)
	<p>metals, waste crankcase oils, sludges and lubricants, petroleum distillates, oil skimmings and sludges (2000- 2022)</p> <p>ERIS Historical Searches (2)</p> <ul style="list-style-type: none"> • Previous ERIS reports for this address (2022) <p>National Pollutant Release Inventory (1)</p> <ul style="list-style-type: none"> • The Clorox Company of Canada (facility name Brita Canada) – methyl ethyl ketone (2003)

Additional records were identified in the environmental databases for properties within the Phase One study area. The environmental databases with records (number of records listed in the bracket) for the neighbouring properties in the study area include the following:

- Ontario Spills (4)
- Scott's Manufacturing Directory (8)
- Pipeline Incidents (2)
- National Pollutant Release Inventory (13)
- Ontario Regulation 347 Waste Generators Summary (36)
- ERIS Historical Searches (19)
- Environmental Compliance Approval (5)
- Environmental Registry (2)
- Environmental Activity and Sector Registry (1)
- Certificates of Approval (4)
- Borehole (7)

There were no records reported by ERIS indicating presence of fuel storage on Phase One Site or within the study area.

In the study area, four Ontario Spills and two Pipeline Incidents database records were reported, as follows:

- 7855 Finch Ave. (Unit 55, recreational property/water park)
 - Natural gas (methane) leak/pipeline damage in 2017
 - Wastewater discharge (water from pool system) to watercourse in 1991
 - Vapour lock caused chlorine gas release in 1998
- 3800 Brandon Gate Dr./Brandon Gate School
 - Brown bubbling blotches on school yard in 1996
- 7709 Wildfern Dr.
 - Pipeline (1/2 inch) incident (no other details provided, inferred to be related to natural gas pipeline).

Based on the reported nature of the abovementioned spill incidents, these are not considered to be a source of environmental impact or risk to the Phase One Site.

The listings in the Boreholes database include records of boreholes drilled as part of geotechnical or geological investigations. Based on the nature of these records, these are not considered to be a source of environmental impact or risk to the Phase One Site.

The records identified in the National Pollutant Release Inventory, Certificates of Approval, Environmental Compliance Approval and Environmental Registry databases are related to municipal water works, air approvals and air releases. Based on the nature of these records, these are not considered to be a source of environmental impact or risk to the Phase One Site.

The records in the ERIS Historical Searches database are related to past ERIS report searches for properties in the Study Area. The records in the Scott's Manufacturing Directory provide general description of the registered businesses involved in manufacturing practices. Based on the nature of these records, these are not considered to be a source of environmental impact or risk to the Phase One Site.

Select additional ERIS report records at properties adjacent to the Phase One Site are discussed in Section 7. For more specific details of the all the records found in the environmental databases in the study area, refer to the ERIS report (Appendix C).

4.2.2 Ministry of the Environment, Conservation and Parks – Freedom of Information (FOI)

A request to the MECP under the Freedom of Information and Protection of Privacy Act was submitted for a search of MECP's files for available information related to the Phase One Site (7848 Finch Ave. W. as well as 80, 100 and 102 Parkshore Dr. properties). As there is no municipal address, an FOI request was not submitted for the railway and natural gas pipeline right-of-way properties.

The MECP FOI office response for the Finch SPS property included a record of 2016 notification to the MECP regarding SPS generator upgrades. The SPS was anticipated to remain in normal operation mode with backup generator available in the event of power loss. No further action was required, and the file was closed (Appendix D).

The MECP FOI office response for 100 and 102 Parkshore Drive properties included the following records:

- 100 Parkshore Dr.
 - Certificates of Approval for Air discharges related to natural gas fired heaters, water tanks, boilers and associated equipment as well as three standby diesel-fuelled generators (Canadian Blood Services)
 - Records related to Hazardous Waste Information Network (HWIN) solid and liquid registered wastes (various waste classes) (Canadian Blood Services and Prodigy Graphics Group Inc.)
 - Highway 427 construction (closest municipal address listed as 100 Parkshore Dr. – spill of 1L of diesel fuel to ground in 2018, stained soil reported as excavated, with MECP report indicating that no further action is required.
- 102 Parkshore Dr.
 - Certificates of Approval for Air discharges related to exhaust system serving laboratory fume hood, ventilation hood for printing unit, dust collector, compressor units, natural gas HVAC units and associated equipment (for previous site occupant, Brita (Canada) Inc./Brita Canada Corporation).
 - MECP report related to Hazardous Waste Information Network (HWIN) / O. Reg. 347 violation in 2002, no further details regarding the type of violation provided in the record (for previous site occupant, Brita Canada Corporation).
 - MECP Notice of Storage of Subject Waste (Acid waste – other metals) for approximate period of 12 months (for previous site occupant, Brita Canada Corporation).

A copy of the MECP FOI search results for Finch SPS, 100 and 102 Parkshore Drive properties is enclosed in Appendix D.

4.2.3 Region of Peel Waste Disposal Site Information

The Region of Peel indicates in their April 2022 Official Plan that, currently, there are no active waste disposal sites in the Region of Peel. The Official Plan includes a Waste Management Sites map that identifies several closed landfill sites and waste facilities across the Region of Peel. According to this map, there are no closed waste disposal sites in the Site vicinity. In an email correspondence dated September 20, 2022, the Region of Peel reported no records which indicated the existence of a municipal or hazardous waste disposal site on the subject properties or vicinity.

The ERIS report which includes searches of the 1991 MECP Waste Disposal Site Inventory and Anderson's Waste Disposal Sites (a private database of former waste disposal sites from 1860 to present) did not identify records of waste disposal sites on subject Site, or in the study area.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Aerial photographs available from Mississauga Maps (City of Mississauga 2022) were reviewed for Phase One Site and vicinity for the following years: 1954, 1966, 1975, 1985, 1997, 2007, and 2017. Historically, the Phase One ESA Site appears to have been undeveloped, vacant land with small, wooded areas throughout. Finch Ave. W. appeared as a narrow roadway prior to 1980.

Currently, the Site exists in a developed area: mainly residential and recreational uses to the south, east/northeast and further north, with commercial and industrial land uses west of Finch Ave. West, and on adjacent properties to the north.

Provided in Table 3 is the summary of the information obtained with relevance to the Phase One Site and the vicinity from the reviewed aerial photographs.

Table 3: Aerial Photograph Observations

Aerial Photograph Year	Aerial Photograph Observations
1954 and 1966	<p>Phase One ESA Site and vicinity appear to be undeveloped and appear as vacant land with small, wooded areas throughout. Finch Ave. West appears as a narrow roadway (prior to 1980).</p> <p>In greater Site vicinity are agricultural lands and rural residential properties. The railway right-of-way does not appear to exist in 1954. It appears that the railway right of way, was constructed between 1954 and 1966. In 1966, it appears as a level railway crossing.</p>
1975	<p>The Phase One Site appears similar to the 1966 photograph.</p> <p>Neighbouring properties been developed into residential uses (to the south of Site) and what appears to be recreational uses (to the east of Site).</p>
1985	<p>The Phase One Site and neighbouring properties appear similar to the 1966 photograph. Based on the resolution of the photograph, details are not discernable, however, it appears that the SPS wet well and control building are present.</p> <p>Between 1980 and 1985 it appears that Finch Ave. railway overpass was constructed. The waterpark property north of Site appears in early stages of development.</p>
1992 and 1997	<p>Although based on the resolution of the photographs, details are not discernible, the wet well structure appears adjacent to the railway crossing at Finch Ave W. with the control building further north along Finch Ave. W.</p> <p>The property at 102 Parkshore Drive has been developed into a commercial/industrial building, between 1989 and 1992. Lakeshore Dr. has been constructed. Construction grading activities have occurred at some of the ESA</p>

Aerial Photograph Year	Aerial Photograph Observations
	Site properties and in vicinity. Property further southwest of Site was developed into a golf course by 1992.
2007	80 and 100 Parkshore Drive property has been developed with commercial/Industrial building (between 1997 and 2000). Additional properties in the study area have been developed into commercial/Industrial uses.
2017	The Phase One Site and neighbouring properties appear similar to the 2007 photograph. Additional paved parking area appears to have been added at the rear of the 80/102 Parkshore Dr. property.

4.3.2 Topography, Hydrology, Geology and Water Bodies

Topographically, the majority of the Site is relatively flat with gentle to moderate downward slope from northwest to southeast along Finch Avenue West (i.e., from the control building to the wet well). Locally, the elevation on the east and west sides of Finch Ave. W. slope downward toward the road. This essentially creates a slight drainage channel for surface water to collect and travel due east along the Finch Avenue West.

Based on the physiographic and quaternary mapping (Figures 3a and 3b), the Phase One property appears to be located in the physiographic region known as the Peel Plain, composed of widespread beds of stoneless varved clay soils over till soils. The till in this region is known to contain large amounts of shale and limestone (Chapman and Putnam 1984). On a broader scale, the region is characterized by a gradual and fairly uniform slope toward Lake Ontario with elevations ranging from 228 to 152 masl (Chapman and Putnam 1984).

The Phase One Site is located in the Bevelled Till Plains physiographic landform and the overburden geology, as shown on Figure 4, in the general vicinity, is reported to consist of Glaciolacustrine Deposits, with Halton Till reported north and east of the Site (Chapman and Putnam 1984; Ontario Geological Survey 2000 and 2007). Glaciolacustrine Deposits are described as massive to laminated silt and clay; and may contain poorly sorted diamicton layers (Ontario Geological Survey). Modern alluvium deposits are reported south and west of the Site.

Based on MECP well records, native shallow soils in Site vicinity are reported to consist of mostly of clay with some occurrence of sandy gravel, sand, and silt till underlain by shale bedrock at approximately 11 to 12 metres below ground surface (mbgs).

The bedrock in the Site vicinity is of the Georgian Bay Formation, which consists of massive shale, interbedded with silt/sandstone and limestone.

The shallow groundwater flow often correlates to topographical features and groundwater typically flows towards nearby lakes, streams, and wetland areas, except where modified by service trenches. It is inferred that the direction of shallow groundwater flow under natural conditions is easterly to southeasterly towards the Claireville Reservoir and the West Humber River which are located approximately 400 m east of the Site. Based on the presence of Mimico Creek, approximately 250 m west of the Site, depending on location and topography, there may also be a local westerly to southwesterly component to groundwater flow. Confirmation of local groundwater flow direction would require installation of monitoring wells and measurements of groundwater elevations, which is outside of the scope of the current assessment.

4.3.3 Areas of Natural Significance

A review of Ministry of Natural Resources and Forestry (MNRF) mapping (MNRF 2022) indicates that there are no Areas of Natural or Scientific Interest (ANSI) identified at the Phase One Site or in the immediate vicinity. Lands identified as ANSI are located greater than 10 km from the Site.

4.3.4 Well Records

Based on the MECP well records database (MECP 2022, available online and also searched through the ERIS report), there is one well record within the Phase One study area for an abandonment of a well reported at the natural gas pipeline right-of-way, east of the 100 Parkshore Drive property (ERIS 2022, Appendix C).

Based on MECP well records located in the vicinity of the Phase One ESA Site and within the study area or slightly beyond, native shallow soils in Site vicinity are reported to consist of clay, clay with boulders, silt till, clay with silt, sand and gravel, underlain with clay, cobbles, sandy gravel and clay, sand, gravel, silt till, sand with silt, clay and gravel overlying the shale bedrock. Where encountered, bedrock was reported at approximately 10.9 to 11.9 mbgs (MECP 2022).

4.4 Site Operating Records

There were no operating records available for the Finch SPS (i.e. no CofAs, ECAs, or similar records were located). Background information on the SPS was obtained from GM BluePlan project files and supplemented with information obtained from the Region of Peel Project Manager.

With exception of records available through the MECP FOI search request as well as background records for the study area as described herein, operating records related to the other properties which are included in the Phase One Site were not requested at this time, as no formal access was provided to these properties at this time. Should formal access to the additional ESA properties (and associated records) be provided in the future, findings of environmental significance will be provided as an addendum to this report.

A request was placed with Opta Information Intelligence through ERIS to locate existing fire insurance plans or reports for the Phase One Site. Opta indicated no inspection plans or reports are available for the Site (Appendix A).

5. INTERVIEWS

No interviews were completed during the site reconnaissance on October 13 and 19, 2022. Background information on the Finch SPS property was obtained from GM BluePlan project files and through email correspondence with the Region of Peel Project Manager, Mr. Paul Rastrullo.

6. SITE RECONNAISSANCE

6.1 General Requirements

Site reconnaissance visits of the Finch SPS property were completed by Mr. Mark Ongarato of GM BluePlan on October 13 and October 19, 2022, from approximately 8:30 am to 10:30 am on both days. Craig of Region of Peel Operations allowed access to the Site and facilitated the site visit on October 13, 2022.

At the time of the Finch SPS site reconnaissance visits, and until the date of issue of this report, no formal access was provided onto the additional properties included as part of this Phase One ESA i.e., exterior portions of 102, 80 and 100 Parkshore Dr. properties, as well as portions of the CN Rail and the natural gas pipeline right-of-ways (between Finch Ave. W. and the westerly limit of the 102 Parkshore Dr. property). General observations on these additional properties, as viewed from public access points, are included in Section 7.

The weather conditions were similar on both dates of site reconnaissance and were overcast with a temperature of approximately 15°C. During the site reconnaissance, photographs were taken and select photographs are presented in Appendix H.

6.2 Specific Observations at Phase One Property: Finch SPS

The Finch SPS property is located at 7848 Finch Ave. W. between Steeles Ave. E. and Highway 427 in Brampton, Ontario. The station is designed to lift stormwater from a local drainage area, including the Finch Ave. W. railway underpass, into a nearby storm sewer. This Type II pumping station consists of a circular wet well and a generator/ control building located approximately 200 metres north of the wet well along the west side of Finch Ave. W. The control building is accessed from Finch Ave. W. via a single paved driveway. The pumping station includes a low-capacity lead pump for low wet weather flows and a high-capacity lag pump activated in high wet weather flows. Under overflow conditions, the inlet storm sewer and associated maintenance holes and catch basin surcharge. See Figure 2 for an aerial photograph of the SPS property and surrounding area.

There was no evidence of stressed vegetation, stained soil, refuse, or debris observed at the time of the site visit at the SPS property. The grounds of the subject property are well maintained.

6.2.1 Buildings

There is one building (SPS control building) located on the Phase One property. The building was originally constructed in 1984, with SCADA modifications in 1991 and fuel system upgrades in 2016. There have been no changes to the footprint of the building reported.

The control building is a one-storey, concrete slab on grade foundation, and is approximately 130 ft² (12 m²) in size. The shape of the building is rectangular. The exterior wall system is 100 mm six-ribbed split block as noted in the Region's 2013 20-year Capital Repair and Replacement Plan (GMBP 2015). The interior ceiling is corrugated steel sheeting, and the exterior is a tar and gravel roof. Minor mechanical damage to the exterior wall at the northeast corner of the building was observed. Minor mechanical damage and corrosion of the metal door frame was also observed. There are no windows in the building. The exterior walls were generally in satisfactory condition. There were no floor drains observed in the control building at the time of the site visit in visually accessible areas, and no plumbing is shown on available record drawings. There is a key fob installed beside the door for security. A raised steel platform exists on the south face of the control building for ease of access to the fuel fill line.

The interior of the control building is not painted, and contains several electrical control panels, a small electric heater and a thermostat, a smoke alarm, a small steel storage shelf unit, a diesel generator, and a double-walled diesel fuel storage tank. The storage shelf contained small quantities of antifreeze (one bottle), two oil filters, two fuel filters and miscellaneous small parts at the time of the site visit. These items are reported by Region of Peel to be used in the on-Site back-up power generator unit. The building's interior lighting is LED strip lighting.

A temporary 58 kW diesel generator was installed in October 2022 on the west exterior side of the control building. The temporary generator is surrounded by 8 ft-tall, locked chain link fence.

The concrete sidewalk around the north and east face of the control building is cracked. The parking area asphalt is maintained by the local municipality and is in adequate condition. A small, yellow road salt storage bin was observed on the east face of the control building.

The concrete floor was observed to be in good condition, with no major cracks and no signs of spills or leaks in the visually accessible areas.

6.2.2 Tanks

As indicated above, one aboveground diesel fuel storage tank was observed in the control building, against the south interior wall, which is used to store diesel fuel for the on-Site generator. There was no containment area observed surrounding the tank. There was no evidence of spills or leaks observed at the time of the site visit in the vicinity of the diesel fuel storage tank. As reported by the Region of Peel, the AST was historically also located inside the control building, with no reports of underground fuel storage at this property historically or currently.

The ERIS report (Appendix C) and the Technical Standards and Safety Authority (TSSA) records (Appendix G) did not identify records of fuel storage tanks at the subject property.

6.2.3 Designated Substances

Urea Formaldehyde Foam Insulation (UFFI)

UFFI was installed primarily in wall cavities during the 1970s as an alternative to the typical insulation materials at that time. Its appearance can vary from white to tan in colour and resembles styrofoam. Over time, UFFI that is exposed to the air, becomes wet, or has been damaged, can potentially release formaldehyde vapours, which can cause various human health effects. Due to the documented health concerns, the use of UFFI insulation was discontinued in 1980.

During the site visit, no UFFI was specifically observed in visually accessible areas within the building. Due to the age of the on-site building (circa 1984), the potential for presence of UFFI is considered to be low. Should the presence of UFFI be confirmed, the material will require appropriate handling, removal, and disposal.

Asbestos Containing Materials (ACMs)

Prolonged inhalation of asbestos fibers has been found to cause lung disease including cancer. The use of ACMs in building materials was discontinued around 1985. ACMs can be found in floor tiles, wall paneling, ceiling tiles, insulation on boiler pipes, on ducts for heating systems and numerous other building and finishing materials.

An inspection of the interior wall and ceiling cavities and floors of the on-Site building was completed as part of a Designated Substance Survey (DSS) by GM BluePlan in October 2022 (report provided under a separate cover). The DSS identified ACMs in the material surrounding the air intake louver and damper, located on the south side of the control building. Given the presence of identified ACMs within the on-site building, appropriate management, handling, removal, and disposal (as per the applicable regulations and guidelines) is required.

Ozone Depleting Substances

The most common ozone depleting substances of concern are chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), and halons, which were commonly used in air conditioning, refrigeration, and in the manufacture of rigid foam. The initial control of these substances was implemented in 1987 and the complete phase-out of these substances was finalized between 1994 and 1995.

No on-Site air conditioning units were observed in the control building at the time of the site visit and the DSS.

Polychlorinated biphenyls (PCBs)

Between 1920 and 1978, PCBs were used extensively as a dielectric fluid in electrical transformers, motor capacitors and fluorescent light ballasts. Current legislation prohibits the manufacture and sale of new equipment containing PCBs (1980).

Electrical transformers were observed on two hydro poles, located approximately 15m north and south of the control building.

The on-Site building lighting is provided by two LED ceiling light fixtures and no fluorescent lighting was observed in the building. The ballasts were inspected as part of a DSS by GM BluePlan, conducted in October 2022, and documented under separate cover.

Leaded paint

Lead was used as an additive in paints prior to 1960 to make paint wear well, and dry quickly and evenly. Leaded paint is considered to pose a potential threat to human health and the environment if it is in poor condition (i.e., it is peeling or flaking) or it is disturbed.

Due to the age of the building at the subject property, there is the potential that leaded paint was used historically. A DSS was conducted by GM Blueplan in October 2022 and identified the presence of leaded paint on the grey

electrical panels within the on-Site building, therefore appropriate management, handling, removal, and disposal (as per the applicable regulations and guidelines) would be required. Leaded paint was not identified on the surface of the front door to the control building. Overall, the painted surfaces throughout the building appeared to be in good condition at the time of the site inspection and no peeling and flaking paint was observed in visited and visually accessible areas.

6.2.4 Utilities

The SPS control building property does not appear to be serviced with municipal water and sanitary sewer services. Based on site observations and available background information, the property is serviced with aboveground electricity and communication utilities. It appears from surface observations that an underground natural gas pipeline travels north / south and is slightly west, adjacent to the control building and wet well areas.

6.2.5 Heating and Cooling Systems

The building contains a small electrical heater, controlled by a thermostat on the wall. The control building did not appear to have a cooling system.

6.2.6 Drains and Sumps

No floor drains or sumps were observed in the control building at the time of the site visit. No plumbing is shown on the available record drawings.

6.2.7 Wells and Potable or Non-Potable Water Sources

Based on reviewed MECP well records, several water supply (historic, therefore current status unknown) and monitoring wells (existing and abandoned) are located within the Phase One study area (MECP 2022; ERIS 2022). It is understood that the Site is located within an area currently serviced by municipal water. There were no monitoring wells observed at the SPS property at the time of the site visit.

6.2.8 Sewers

The control building is not serviced by municipal water and sanitary services. As previously mentioned, the pumping station is designed to lift stormwater from a local drainage area, including the Finch Ave. W. railway underpass, into a nearby storm sewer. There are curbside catch basins along the Finch Ave. West underpass that collect and convey stormwater to the wet well. Two forcemains from the wet well discharge to a manhole on a 900 mm diameter storm sewer located in the embankment several metres above the wet well. There is no overflow chamber. If the wet well surcharges, overflow occurs onto Finch Ave. W. right-of-way.

Stormwater drainage is primarily through overland flow along the easterly boundary of the property (at Finch Ave. W.).

6.2.9 Ground Coverings

The grounds of the Phase One property are grass covered between the wet well and the control building (adjacent to Finch Ave. W.). Remainder of the property consists of a small, paved parking area and paved access off of Finch Ave. W.

There was no evidence of the use of deleterious fill materials, buried debris, bulk chemical storage and no evidence of soil staining or stressed vegetation at the SPS property observed at the time of the site visit.

6.2.10 Stained Soils, Vegetation or Pavement

During the site reconnaissance there was no stained soil, vegetation or pavement observed on the SPS property.

6.2.11 Fill Materials

As previously indicated, during the site visit, no evidence of fill or partially buried debris was observed on the SPS property. The control building property is generally at grade with the nearby properties (Canadian Blood Services and DHL Express Corporate Office properties) to the west and south, with the general topography sloping downwards along Finch Ave. W. towards the railway right-of-way. A retaining wall is present along Finch Ave. W. near the SPS wet well and travels along the road to approximately halfway to the control building. The retaining wall is not unique to the subject property, as the retaining wall also extends south along Finch Ave. W., beyond the railway right-of-way.

As the railway crossing was historically a level road crossing (as inferred based on the 1966 aerial photograph), and as it is commonly associated with the construction of railways embankments, fill material is expected to be encountered near the railway right-of-way that crosses over Finch Ave. W., located south and east of the wet well.

6.2.12 Potentially Contaminating Activities

The presence of a double-walled diesel fuel storage tank, located in the control building at the SPS property is considered to be a Potentially Contaminating Activity (PCA #28 – Gasoline and Associated Products Storage in Fixed Tanks).

Based on the age of the development at the property (circa 1984) and paved parking area beside the existing control building, as well as presence of the railway right-of-way embankment associated with the overpass over Finch Ave. West., the quality of the shallow fill material is considered to form a PCA (PCA #30 – Importation of Fill Material of Unknown Quality).

The presence of the railway right-of-way is also considered to form a PCA (PCA #46 – Rail Yards, Tracks and Spurs).

No other PCAs were observed on the subject property at the time of the site visit.

6.2.13 Unidentified Substances

During the site visit, no unidentified substances were specifically observed on the Phase One property.

6.3 Enhanced Investigation Property

Based on the definitions provided under Ontario Regulation 153/04 (as amended) Section 32 (1) (b) and Ontario Regulation 406/19 (On-Site and Excess Soil Management), the SPS property is considered an enhanced investigation property due to the current property use as a stormwater pumping station which is considered to be industrial land use.

Since it is our understanding that a Record of Site Condition is not required to be filed for the subject property at this time, it is inferred that the specific O. Reg. 153/04 enhanced investigation property assessment requirements are not applicable. However, the enhanced investigation property area status may be of importance in determining the regulatory requirements for excess soil management planning under O.Reg. 406/19.

No evidence was observed, nor reported by the Region and no records were available to indicate that the SPS property has been used, in whole or in part for the following commercial uses: as a garage, as a bulk liquid dispensing facility, including a gasoline outlet, or for the operation of dry-cleaning equipment (O. Reg. 511/09, s. 32).

6.3.1 Property Operations

The subject property operates as a stormwater pumping station with associated control building, which is considered an Industrial land use. As reported by the Region, routine preventative maintenance of the diesel generator unit and pumps is performed monthly/annually.

6.3.2 Hazardous Materials

During the site reconnaissance, small quantities of antifreeze (label identification as antifreeze/summer coolant) were observed in a storage cabinet on the subject property. As reported by the Region, antifreeze is used in the operation of the back up diesel generator unit. No other hazardous materials were specifically identified on the subject property.

6.3.3 Products Manufactured

No products are reported to be manufactured on-Site.

6.3.4 Waste Production

Records related to registered waste generations were not specifically identified in the O. Reg. 347 Waste Generators Summary database search provided by ERIS for the SPS property (ERIS 2022). The Region of Peel reported that no registered waste products have been historically or currently generated on the subject property.

6.3.5 Raw Materials Handling

No controlled raw materials are reported to be handled on the Phase One ESA property currently or in the past. As previously indicated, diesel fuel is stored on site for operation of the back up diesel generator unit.

6.3.6 Drums, Totes and Bins

No drums, totes or bins were identified on-Site during the Phase One site visit.

6.3.7 Oil/Water Separators

No evidence of an oil/water separator was observed during the Phase One site visit. Based on available site information in the project files, there are no soil/water separator units on the SPS property.

6.3.8 Vehicle Maintenance Areas

No vehicle maintenance areas were observed on-site. As reported by the Region, no vehicle maintenance is performed on Site.

6.3.9 Spills

During the site reconnaissance there was no evidence observed of spills on the SPS property. The property was under SPS use by the Region of Peel. The ERIS Ontario Spills database report and the Region of Peel internal records (email correspondence dated September 20, 2022) did not identify incidents of spills reported on the SPS property, and the adjacent properties comprising the Phase One ESA Site.

In the 250 m study area, the ERIS report identified four (4) records of spill incidents in the Ontario Spills database. As summarized in Section 4.2.1, based on the reported nature of these spills, these incidents in the study area are not considered to form a source of environmental risk or impact to the subject property.

For more specific details of the records found in the environmental databases, refer to the ERIS report provided in Appendix C.

6.3.10 Liquid Discharge Points

There were no floor drains observed at the time of the site visit and no plumbing shown on available record drawings for the SPS property. The Site is a stormwater pumping station with associated sewers and related infrastructure for conveying stormwater.

6.3.11 Hydraulic Lift Equipment

No hydraulic lift equipment was observed on the SPS property at the time of the site visit.

6.3.12 Operating Records Review

No Site operating records were available for review during preparation of this report. It is our understanding that no Certificates of Approval/Environmental Compliance Approval are available for this property.

6.3.13 Consideration of Information

During the site reconnaissance, the investigation was conducted with the consideration of the information previously gathered from the historical records review, background information on the Finch SPS in GM BluePlan project files and additional information from the Region of Peel.

6.4 Specific Observations at Additional Properties Included in the Phase One ESA Site

The additional lands that form the ESA Site include exterior portions of the 102 and 80/100 Parkshore Drive properties, as well as a portion of CN Rail and Enbridge right-of-ways (between Finch Avenue West and the westerly limit of the 102 Parkshore Drive property). These properties were observed from the Finch SPS Site and from public rights-of-way during the Site reconnaissance, as no formal access onto these properties was provided during the Site visit to the SPS property. General observations, as viewed from public access points, are included below.

Granite: 102 Parkshore Drive

The Granite property is located approximately 280 metres southwest of the Finch SPS control building. Based on observations from public rights of way at the time of the site visit, this industrial property appears to be a warehouse facility, comprised of one warehouse building (approximately 4,500 m² in size), and a paved area, which surrounds the building, for parking and shipping and receiving. No above ground storage tanks were visible in the partial areas of this property as observed from public rights-of- way at the time of the site visit.

Canadian Blood Services: 100 Parkshore Drive

The Canadian Blood Services property is located approximately 25 metres southwest of the Finch SPS control building. Based on observations from public rights of way at the time of the site visit, this industrial property appears to be a warehouse and office facility, comprised of one warehouse building (approximately 12,000 m² in size) and a paved area, which surrounds the building, for parking and shipping and receiving. No above ground storage tanks were visible in the partial areas of this property as observed from public rights of way at the time of the site visit.

CN Rail Right-of-Way

Two sets of CN Rail tracks are located approximately 10 metres southeast of the Finch SPS wet well. An east-bound cargo train was observed at the time of the site visit and was carrying numerous steel shipping containers. No above ground storage tanks were visible in the areas observed from public rights-of-way at the time of the site visit.

Natural Gas Pipeline Right-of-Way

This property appears to be vacant of structures and is under grass cover with some trees and shrubs.

6.5 Written Description of Investigation

The above noted observations of the Finch SPS property were completed by a combination of visual inspections and the review of available records and documents. Surrounding properties within the Phase One Site and study area were observed from the Finch SPS property and from publicly accessible areas (right-of-ways) and available aerial photography. Completion of the site reconnaissance, review of historical information and the interview process resulted in the identification of several on-site APECs, as noted in Table 4 (Section 8.2). As previously indicated, no formal access was provided and no additional records (with exception as previously stated) were available for the additional properties included in the Phase One Site.

7. OBSERVATIONS OF ADJACENT AND OTHER NEIGHBOURING PROPERTIES

Adjacent and nearby properties were observed from the Site and from public rights-of-way during the Site reconnaissance. Adjacent neighbouring properties are shown on Figure 2 and 5. Further details of activities/occupants at the neighbouring properties are contained in the City Directory (Appendix B), the ERIS report (Appendix C). MECP FOI records (Appendix D) with selected pertinent details discussed below. The upgradient/downgradient location of the neighbouring properties with respect to the Phase One ESA Site, are referenced based on the inferred groundwater flow direction being towards the Claireville Reservoir and the West Humber River. As indicated in Section 4.3.2 based on the presence of Mimico Creek, approximately 250 m west of the Site, depending on location and topography, there may also be a local westerly to southwesterly component to groundwater flow. Confirmation of local groundwater flow direction would require installation of monitoring wells and measurements of groundwater elevations, which is outside of the scope of the current assessment.

West (Crossgradient to Upgradient)

To the west/northwest of the Finch SPS control building are industrial properties including 18 Parkshore Dr., and 50 Kenview Blvd., currently occupied by DHL Express Corporate Office and Service Point (a shipping and delivery business) and Gesco Group (an ensemble of floor covering organizations/flooring contractors), respectively, as well as additional industrial properties (including 5 Parkshore Dr., 85 Parkshore Dr. and 19-54 Kenview Blvd.).

The DHL property (18 Parkshore Dr.) is located approximately 30 metres west of the Finch SPS control building. Based on observations from public rights of way at the time of the site visit and aerial imagery, this industrial property appears to be a warehouse and office facility, comprised of one warehouse building (approximately 11,000 m² in size) and a paved area, which surrounds the building, for parking, shipping and receiving. No above ground storage tanks were visible in the partial areas of this property observed from public rights of way at the time of the site visit.

The property at 18 Parkshore Dr. was listed in the ERIS report in the following databases (number of records identified in brackets):

- ERIS Historical Searches (5) - records of previous ERIS searches
- Environmental Activity and Sector Registry (1) – record of stand by power system registration (2012)
- Ontario Regulation 347 Waste Generators Summary (6)
 - registered wastes listed as paint/pigment/coating residues, waste oils and lubricants, waste compressed gases, oil skimmings and sludges, inorganic/organic laboratory chemicals, miscellaneous waste organic chemicals.

The property at 85 Parkshore Dr. (Can Art Aluminum Extrusion Inc. LP) was listed in the ERIS report in the following databases (number of records identified in brackets):

- Ontario Regulation 347 Waste Generators Summary (13)
 - registered wastes listed as waste oils and lubricants, oil skimmings and sludges, petroleum distillates, emulsified oils, alkaline wastes-other metals,
- Scott's Manufacturing Directory (2) – listing for aluminum rolling, drawing, extruding and alloying

- National Pollutant Release Inventory (13) – one records listed as aluminum fume or dust
- Environmental Registry (2)/Certificate of Approval (1)/ Environmental Compliance Approval (2) - Air approvals
- ERIS Historical Searches (1) - previous ERIS search

The property at 5 Parkshore Drive was listed in the ERIS report for ERIS Historical Searches (3 records), and one record each in the Scott Manufacturing Directory (as Nizsons Limited, fabricated metal product manufacturing) and in the Ontario Regulation 347 Waste Generators Summary database for oil skimmings and sludges (under business name Colliers International).

The further property to the northwest, at 19-54 Kenview Blvd. (Castello Landscape Construction) was listed in the Ontario Regulation 347 Waste Generators Summary for waste oils and lubricants. The property at 50 Kenview Blvd. was listed for historical ERIS report searches, as well as in the Ontario Regulation 347 Waste Generators Summary for polymeric resins, organic laboratory chemicals, miscellaneous waste organic chemicals, and graphic arts wastes.

Further to the west is Parkshore Golf Club (7797 Goreway Drive). Based on the inferred groundwater flow direction, the properties to the west are considered to be located hydraulically upgradient to crossgradient of the subject Site.

North (Upgradient to Crossgradient)

To the north/northeast of the Site are the Toronto Region Conservation Authority (TRCA)/Claireville Conservation Area lands and the Wet 'n' Wild Toronto water park property, located at 7855 Finch Avenue West.

The TRCA/Claireville Conservation Area lands are located across from the Finch SPS control building and wet well, beyond Finch Ave. W. This mostly vacant and grassy area is adjacent to the Wild Water Kingdom Ltd./Wet 'n' Wild Toronto waterpark property, located at the southern corner of the water park property. The water park property is approximately 64 hectares in size, and consists of a water park, a soccer and sports dome, the iRange Toronto golf range, a paved parking lot and associated facilities.

An electrical transformer was observed from public rights-of-way on the southwestern side of the soccer and sports dome. No above ground storage tanks were visible from the public rights of way at the portions of the TRCA/Claireville Conservation Area or Wet 'n' Wild Toronto waterpark property observed from near the Finch SPS property at the time of the site visit.

As indicated in Section 4.2.1, three Ontario Spills and one Pipeline Incidents database records were reported for the water park property at 7855 Finch Ave. as follows:

- Natural gas (methane) leak/pipeline damage in 2017
- Wastewater discharge (water from pool system) to watercourse in 1991
- Vapour lock caused chlorine gas release at Whitewater Kingdom in 1998

Based on the reported nature of the abovementioned spill incidents, these are not considered to be a source of environmental impact or risk to the Phase One Site. Additional records in the ERIS report were identified for this property in the ERIS Historical Searches and the Ontario Regulation 347 Waste Generators Summary for paint/pigment/coating residues, waste oils and lubricants and other specified inorganics waste streams.

Further to the north/northeast is the Claireville Reservoir. Based on the inferred groundwater flow direction, the properties to the north are considered to be located hydraulically upgradient to crossgradient of the subject Site.

East (Downgradient)

To the east of the subject Site is a portion of the CN Rail railway right-of-way (as discussed in Section 6.4). Further to the east/southeast, is the Indian Line Private Campground, the Claireville Reservoir, and residential properties. The Indian Line Private Campground property is located approximately 200 metres east/southeast of the Finch SPS wet well, beyond the CN Rail railway right-of-way. The campground appears to be approximately 10 hectares in size and with frontage along the Claireville Reservoir and consists mainly of transient / RV trailer sites and associated facilities. The Campground property was listed in the Ontario Regulation 347 Waste Generators Summary database for records of registered waste generation.

Based on the inferred groundwater flow direction, the properties to the east are considered to be located hydraulically downgradient of the subject Site.

South (Crossgradient to Downgradient)

To the southwest of the ESA Site is 156 Parkshore Drive, an industrial property (currently listed online as General Cable/Prysmian Group – an energy and telecom cable systems manufacturer). To the south is the CN Rail right-of-way.

The 156 Parkshore Drive property was listed in the ERIS report for records including previous ERIS searches, Scott Manufacturing Directory (listed as Conair Cuisinart Consumer Products Inc.- household appliance and toilet products wholesaler/distributor/manufacturing) as well as in the Ontario Regulation 347 Waste Generators Summary for detergents and soaps waste streams in 2006.

Based on the inferred groundwater flow direction, the properties to the south are considered to be located hydraulically downgradient of the subject Site.

For further details on the identified records at the neighbouring properties, refer to Section 6.4, as well the appended City Directory records (Appendix B), ERIS report (Appendix C), MECP FOI records (Appendix D) and TSSA records (Appendix G).

8. REVIEW AND EVALUATION OF INFORMATION

8.1 Potentially Contaminating Activities

Several Potentially Contaminating Activities (PCAs) defined in Column A of Table 2 of Schedule D of Ontario Regulation 153/04, as amended, as well as other undefined PCAs have been identified to be of concern to the Phase One ESA Site including the Finch SPS property. Summary of the identified PCAs is below, and also shown on Figure 5.

8.1.1 Importation of Fill Material of Unknown Quality (PCA # 30)

Historically, fill materials were not commonly scrutinized for environmental quality before being imported for use at a construction site. As a result, fill often contained deleterious materials or had other environmental impacts.

Based on the aerial photograph review, the properties forming the Phase One ESA Site were developed between 1990 and 2000, as well as the railway right-of-way adjacent to the Finch SPS wet well structure includes an embankment which was constructed between 1980 and 1985, it is possible that the subject properties have been affected by imported fill materials.

Therefore, each of the subject properties is considered to have “Imported Fill of Unknown Quality” as a PCA (PCA #30). Due to the fact that PCAs on subject sites are to be considered Areas of Potential Environmental Concern (APECs) to the subject sites, the quality of fill material is considered to form an APEC to each property.

8.1.2 Gasoline and Associated Products Storage in Fixed Tanks (PCA # 28)

Historically, liquid fuel storage tanks (e.g., of gasoline, diesel, or other petroleum fuels) have commonly been sources of environmental impacts. This is especially true in the case of underground storage tanks which, prior to monitoring and leak detection technologies becoming commonplace, may have had leaks that went undetected for long periods of time, thus allowing the release of substantial quantities of petroleum-derived chemicals into the subsurface. Furthermore, tanks are often used at industrial sites and other mechanical facilities to hold waste oil, grease, and other potential contaminants of concern.

An aboveground diesel fuel storage tank is present at the Finch SPS property, located inside the control building. As reported by the Region of Peel, the AST historically was also located inside the control building, with no reports of underground fuel storage at this property historically or currently and no reports of leaks or spills from the AST. Presence of fuel storage tank is therefore considered a PCA forming an APEC on this property.

Records of diesel-fuelled generator(s) were also identified for the 100 Parkshore Drive property, although the presence and specifics of diesel fuel storage and handling could not be confirmed as no formal access was available to this property. The presence of reported potential fuel storage tank, is therefore considered a PCA forming an APEC on this property.

8.1.3 Rail Yards, Tracks and Spurs (PCA # 46)

The presence of the railway right-of-way on the Phase One ESA Site is considered to form a PCA (PCA #46 – Rail Yards, Tracks and Spurs) and an APEC to the railway right-of-way and potentially to the adjacent natural gas pipeline right-of-way.

8.1.4 Registered Waste Generators and Industrial Activities on the Phase One ESA Site and in the Study Area (PCA # Undefined)

As indicated in the ERIS report (Appendix C), numerous records of registered waste generation were identified at the Site (80/100 Parkshore Drive) and at neighbouring properties involved in various industrial activities, as previously discussed in Sections 4.2.1, 6.4 and 7.

The MECP through the Environmental Protection Act and Ontario Regulation 347 sets out strict provisions for storage, registration, transport and disposal of generated industrial/hazardous wastes. If handled, stored and disposed of properly, as per current regulations, these registered wastes pose a limited environmental risk and limited potential for impacts to the subject properties. However, it is outside the scope of the current assessment to thoroughly study the waste handling and overall operations of the neighbouring and surrounding properties.

8.2 Summary of Areas of Potential Environmental Concern and Conceptual Site Model

Having evaluated the various PCAs and identified from them those activities which are to be considered Areas of Potential Environmental Concern to subject properties included in the Phase One ESA Site, the following APECs have been identified, as summarized in Table 4 and shown on Figure 6. It is noted that the location of the potential diesel fuel storage tank at the 100 Parkshore Drive property is unknown at this time. On Figure 6 currently, the exterior areas south and west of the onsite building are designated as APEC 2. Once the location of the diesel tank is confirmed, APEC 2 area will be revised accordingly, as required.

Table 4: Summary of Areas of Potential Environmental Concern

Address/ Property	Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One property	Potentially Contaminating Activity	Location of Potentially Contaminating Activity (on-site or off-site)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)	Contaminants of Potential Concern
All properties	APEC 1) Fill of Unknown Quality (associated with original development/ right-of way embankment construction)	In the vicinity of the on-site buildings/ structures, paved areas, railway right-of- way embankment	PCA #30 - Fill Material of Unknown Quality	On-Site	Soil	PAHs, Metals, As, Se, Sb
7848 Finch Ave. W. (SPS control building) 80 and 100 Parkshore Drive (Canadian Blood Services)	APEC 2) Diesel fuel handling and storage	Control Building: In the vicinity of the control building/near the fill line for aboveground storage tank. Canadian Blood Services: potential fuel tank associated with diesel generator (location unconfirmed)	PCA #28 - gasoline and Associated Products Storage in Fixed Tanks	On-Site	Soil/ Groundwater	BTEX PHCs F1-F4
CN Railway right-of-way and adjacent natural gas pipeline right- of-way	APEC 3) Railway tracks and associated embankment	Railway property/ southerly portion of natural gas pipeline right-of- way	PCA #46 - Rail Yards, Tracks and Spurs	On-Site (railway right-of-way) / Off-Site (natural gas pipeline right-of-way)	Soil	PAHs, Metals, As, Se, Sb
All properties	APEC 4) General industrial use and registered waste generation	On portions of properties considered for easements	PCA # Undefined – related to industrial activities at neighbouring properties including reported registered waste generation	On-Site / Off- Site	Soil and Groundwater	BTEX, PHCs F1-F4, VOCs

*PHCs = petroleum hydrocarbons, VOCs = volatile organic compounds, PAHs = polycyclic aromatic hydrocarbons, Na = sodium, Cl = chloride, SAR = Sodium Adsorption Ratio, EC = electrical conductivity

9. CONCLUSIONS AND RECOMMENDATIONS

This Phase One Environmental Site Assessment (ESA) was completed as part of the MCEA and proposed upgrades process to identify potential and/or actual environmental concerns associated with the Finch SPS property, as well as at portions of select adjacent properties being considered for potential property transfer or land easement creation to secure additional access to the Finch SPS and the control building.

It is our understanding that this Phase One ESA is conducted to support the proposed upgrades and site selection process which may involve property transfer and/or easement creation and that it is not required to support a Record of Site Condition (RSC) under Ontario Regulation (O. Reg.) 153/04 (as amended).

The information collected as part of this investigation indicates that the potential for environmental impacts at several of the properties is considered to exist. Four APECs at the subject properties have been identified as summarized in Table 4. To confirm the quality of soil and/or groundwater at the Finch SPS property, where excess soil may be generated and construction dewatering may be required as part of the proposed upgrades, as well as at sites of potential easement locations, additional investigation involving sampling and laboratory analysis of soil and/or groundwater for identified PCOCs is recommended.

Based on the findings of this Phase One ESA concerning the Finch SPS property and selection of sites for proposed easements as part of Finch SPS MCEA, we make the following recommendations:

1. It is recommended that a Phase Two Environmental Site Assessment be undertaken to determine with greater certainty whether environmental impacts exist on-Site.
2. The Phase Two Environmental Site Assessment is recommended to be scoped to target the environmental media and contaminants of potential concern (COPCs) associated with the APECs identified by this Phase One ESA.
3. The scope of the Phase Two Environmental Site Assessment is also recommended to be supplemented with additional sampling and investigation activities as may be required to:
 - Achieve the regulatory requirements for excess soil management specified under O.Reg. 406/19; and,
 - Support the obtainment of construction dewatering approvals and prepare associated plans for monitoring, mitigation and discharge.
4. For the purposes of Excess Soil Management under O.Reg. 406/19, the Phase One ESA Site (with the possible exception of the natural gas pipeline right-of-way) is considered to be composed of "enhanced investigation project areas" as follows:
 - Finch SPS (industrial use – stormwater pumping station),
 - 80,100 and 102 Parkshore Dr. (industrial use),
 - CN Railway right-of-way (industrial use – railway tracks)

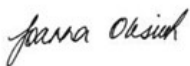
All of which is respectfully submitted,

GM BLUEPLAN ENGINEERING LIMITED

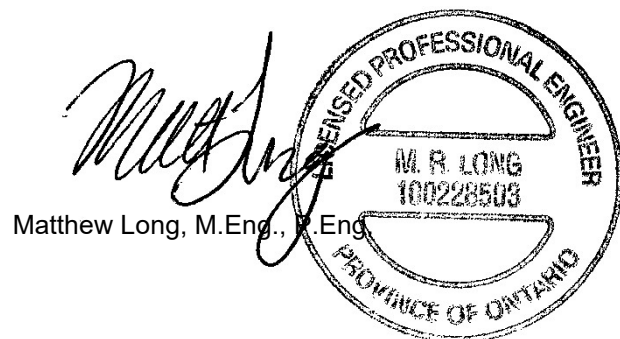
Per:



Mark Ongarato, B. Sc.



Joanna Olesiuk, M.A.Sc., C. Tech., P. Geo. (Limited)



Matthew Long, M.Eng., P.Eng.

10. STATEMENT OF LIMITATIONS

The information presented in this Phase One ESA report is intended for the sole use of the Region of Peel. GM BluePlan Engineering Limited accepts no liability for use of this information by third parties. Any decisions made by third parties on the basis of information provided in this report are made at the sole risk of the third parties.

The scope of this Phase One ESA was limited to a review of the history of the Sites; a review of available regional mapping and available background reports; surface/topographic features; contact with relevant regulatory agencies; review of available historical records and reports and a site reconnaissance completed on October 13 and 19, 2022. This Phase One ESA assumes that a Record of Site Condition (RSC) under O. Reg. 153/04 (as amended) is not required to be filed for the properties included in this Phase One ESA.

GM BluePlan Engineering Limited cannot guarantee the accuracy or reliability of information provided by others or presented in records and reports available for the property. GM BluePlan Engineering Limited does not accept liability for unknown, unidentified, undisclosed or unforeseen surface or sub-surface contamination that may be later identified.

The scope of this Phase One ESA was limited to investigating the actual or potential sources of environmental impact or environmental risk and does not include full confirmation of actual environmental impact or environmental risk. While comments have been made regarding the inferred groundwater flow direction and the perceived risks of potential environmental concerns to soil and groundwater at the Site from onsite or offsite sources, full confirmatory assessment of soil and groundwater conditions is beyond the scope of this assessment. Further, while comments have been made regarding the perceived risks of potential environmental concerns, a complete risk assessment is beyond the scope of this report.

This report is believed to provide documentation of site conditions as of October 19, 2022.

11. REFERENCES

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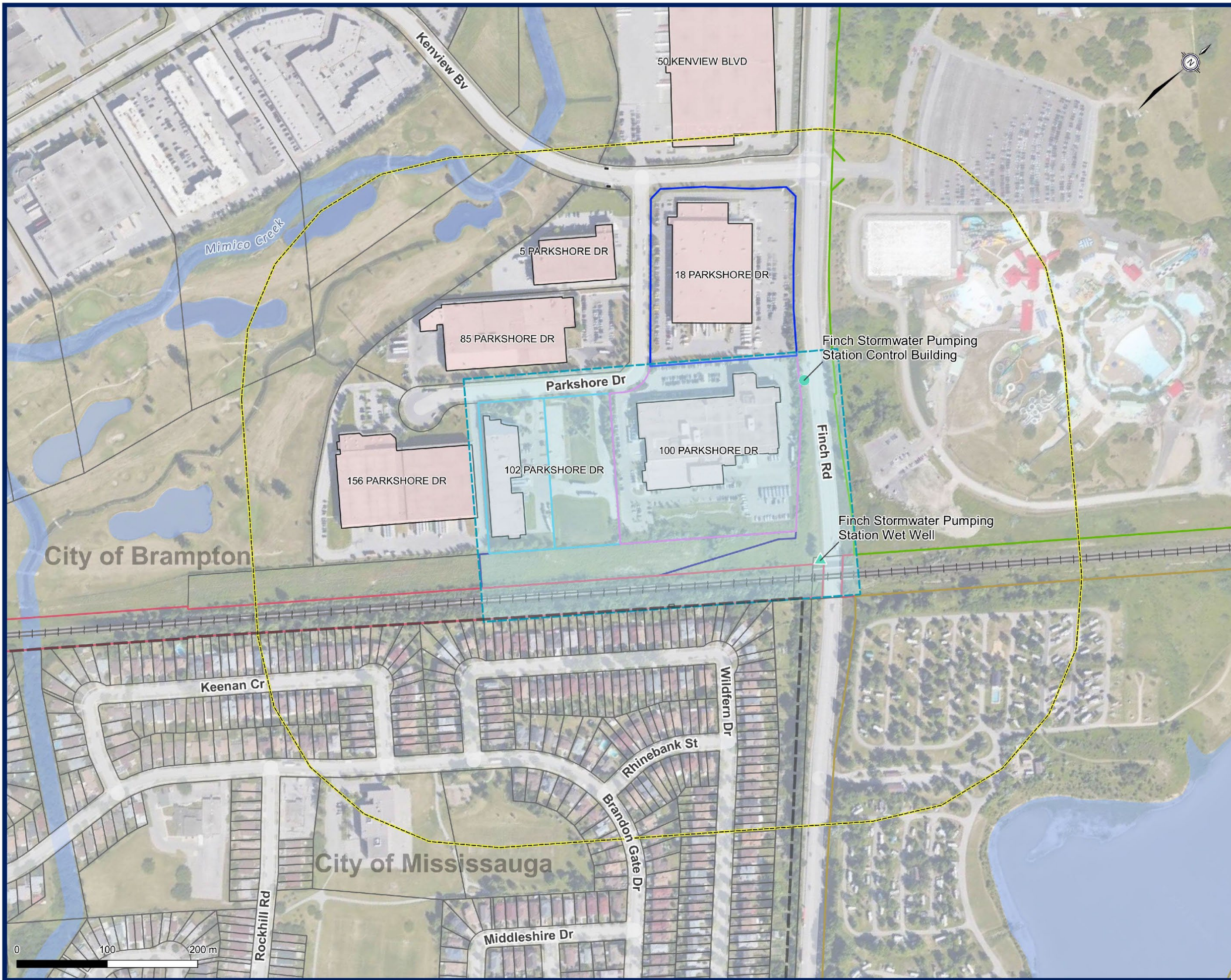
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FIGURES



- Finch SPS ESA Site
- Existing Infrastructure**
- ▲ Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Landowners**
- Granite
- Canadian Blood Services
- CN Rail
- DHL
- Private Campground
- TRCA / Claireville Conservation / Wet 'n' Wild Toronto
- Minister of Government Services (Crown)
- General Features**
- Rail
- Building Footprint
- Parcel
- Waterbody and Watercourse
- Municipal Boundary

Figure 1
Site Location
Phase One ESA



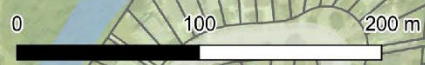
- Finch SPS ESA Site
- Phase One ESA 250m Study Area
- Existing Infrastructure**
- ▲ Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Landowners**
- Granite
- Canadian Blood Services
- CN Rail
- DHL
- Private Campground
- TRCA / Claireville Conservation / Wet 'n' Wild Toronto
- Minister of Government Services (Crown)
- General Features**
- Rail
- Building Footprint
- Parcel
- Waterbody and Watercourse
- Municipal Boundary

Figure 2
ESA Site and Study Area
Phase One ESA



- Finch SPS ESA Site
- Phase One ESA 250m Study Area
- Existing Infrastructure**
- ▲ Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Physiographic Regions**
- Peel Plain
- Landowners**
- Granite
- Canadian Blood Services
- CN Rail
- DHL
- Private Campground
- TRCA / Claireville Conservation / Wet 'n' Wild Toronto
- Minister of Government Services (Crown)
- General Features**
- Rail
- Building Footprint
- Parcel
- Waterbody and Watercourse
- Municipal Boundary

Figure 3a
Physiographic Region
Phase One ESA



- Finch SPS ESA Site
- Phase One ESA 250m Study Area
- Existing Infrastructure**
- ▲ Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Physiographic Landforms**
- Bevelled Till Plains
- Landowners**
- Granite
- Canadian Blood Services
- CN Rail
- DHL
- Private Campground
- TRCA / Claireville Conservation / Wet 'n' Wild Toronto
- Minister of Government Services (Crown)
- General Features**
- Rail
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- Parcel
- Waterbody and Watercourse
- Municipal Boundary



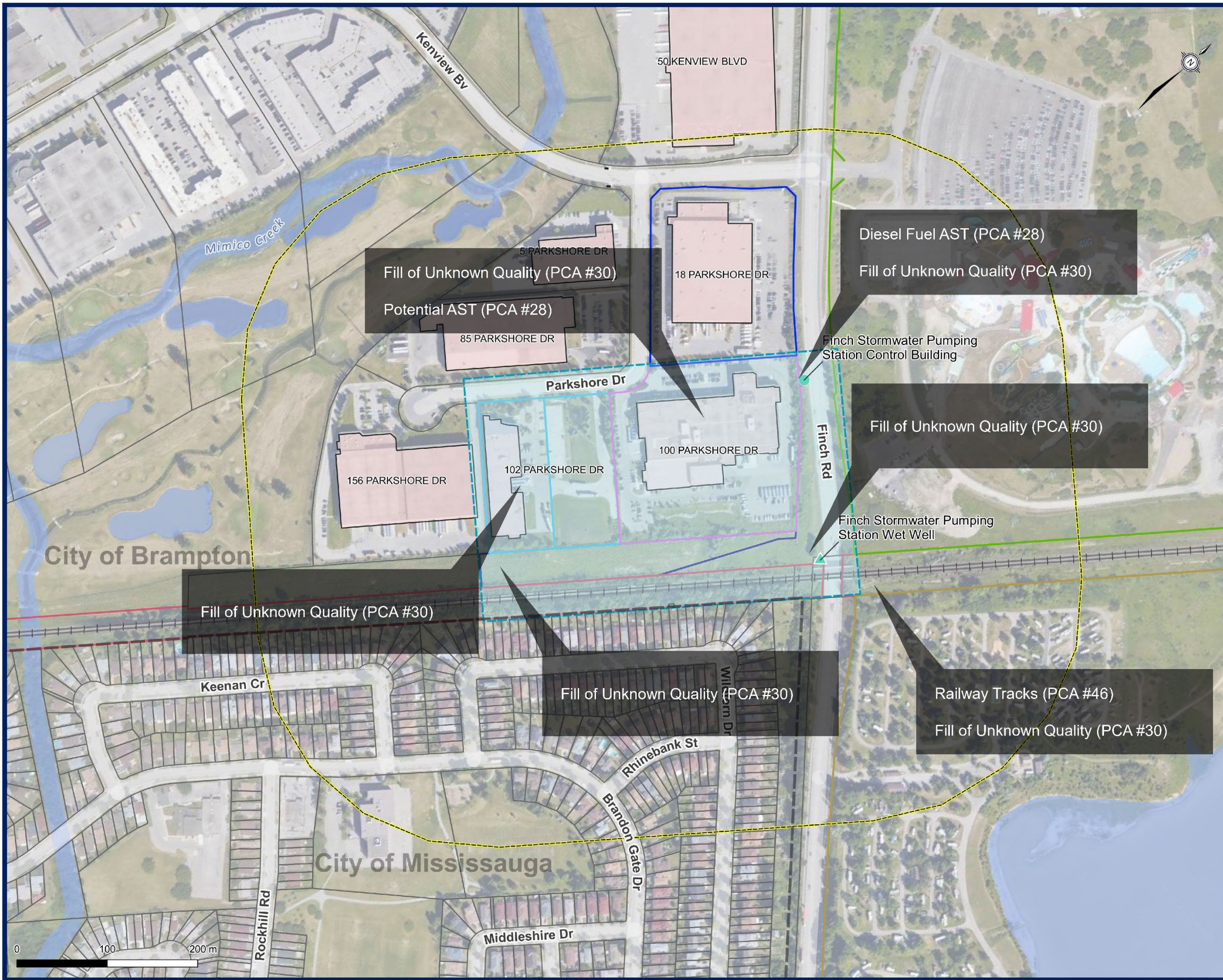
Figure 3b
Physiographic Landforms
Phase One ESA



- Finch SPS ESA Site
- Phase One ESA 250m Study Area
- Existing Infrastructure**
- ▲ Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Surficial Geology**
- Older Terrace Alluvium
- Glaciolacustrine Deposits
- Modern Alluvium
- Halton Till
- Landowners**
- Granite
- Canadian Blood Services
- CN Rail
- DHL
- Private Campground
- TRCA / Claireville Conservation / Wet 'n' Wild Toronto
- Minister of Government Services (Crown)
- General Features**
- Rail
- Building Footprint
- Parcel
- Waterbody and Watercourse
- Municipal Boundary

Figure 4
Surficial Geology
Phase One ESA





Legend

- Finch SPS ESA Site
- Phase One ESA 250m Study Area

Existing Infrastructure

- ▲ Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building

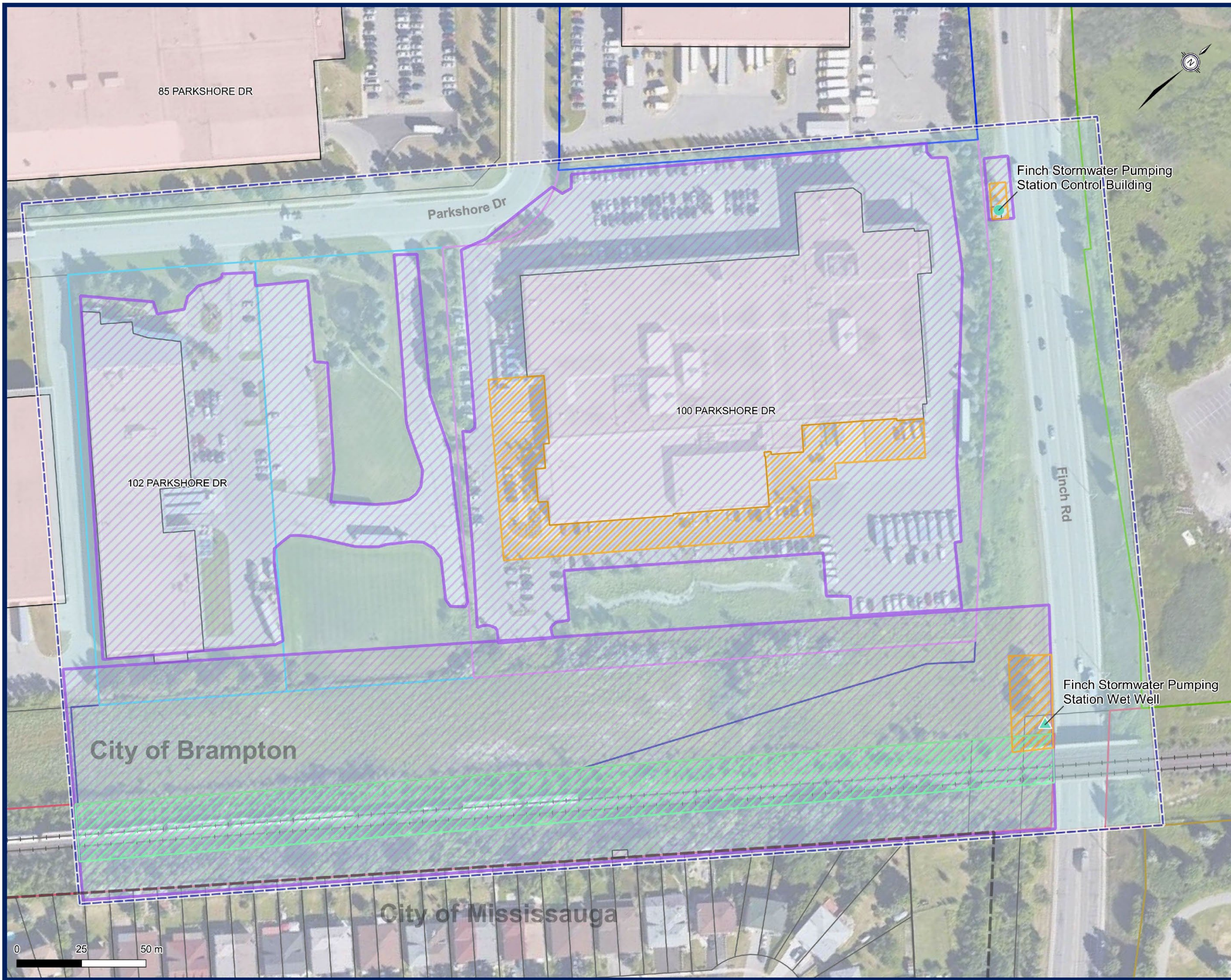
Landowners

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- DHL
- Private Campground
- TRCA / Claireville Conservation / Wet 'n' Wild Toronto
- Minister of Government Services (Crown)

General Features

- Rail
- Building Footprint
- Parcel
- Waterbody and Watercourse
- Municipal Boundary
- AST – Aboveground Storage Tank

Figure 5
Potentially Contaminating Activities
Phase One ESA

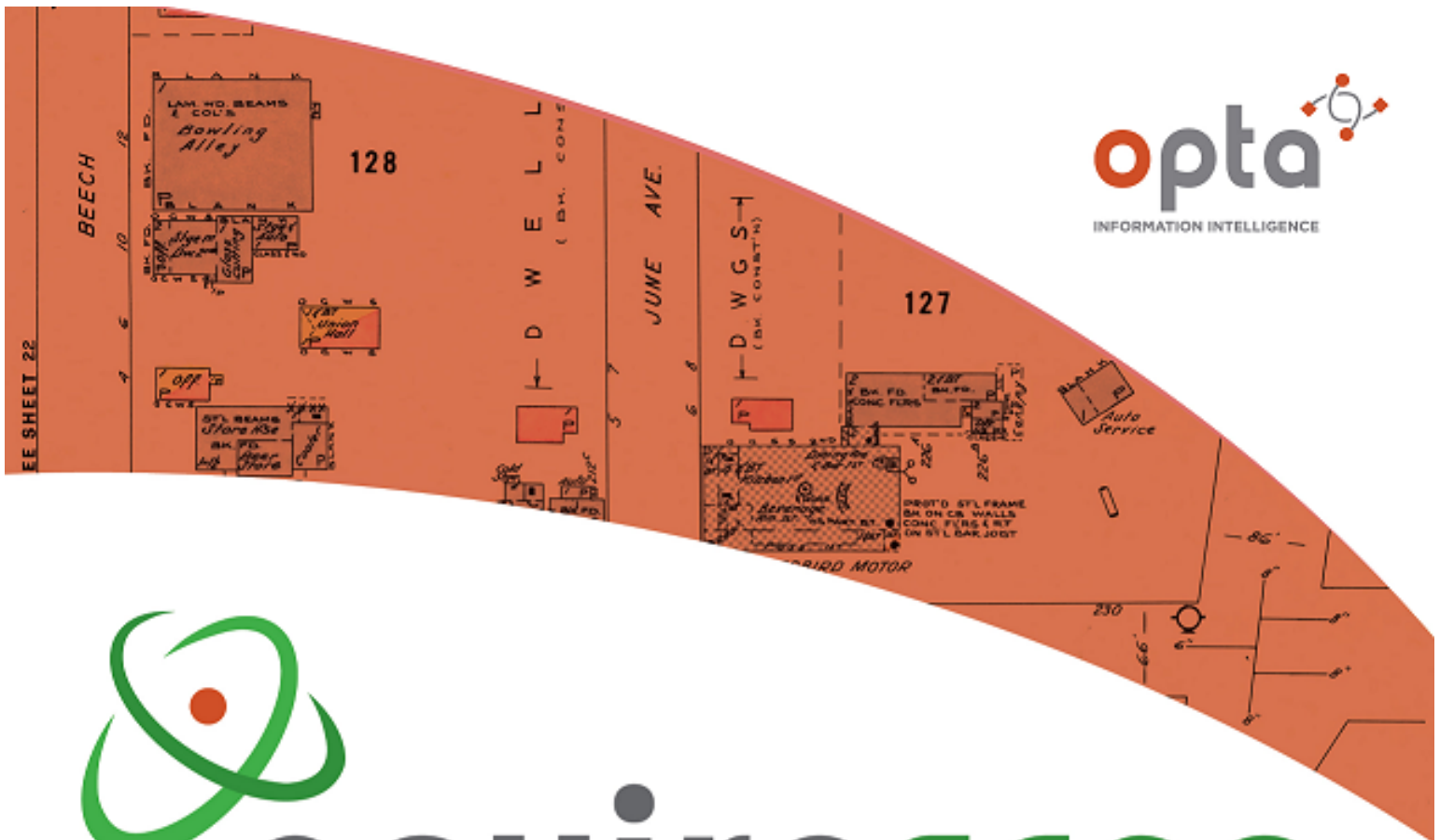


- Finch SPS ESA Site
- Area of Potential Environmental Concern (APEC)**
- APEC 1 - Fill of Unknown Quality (PCA #30)
- APEC 2 - Diesel Fuel Storage Tank (PCA #28)
- APEC 3 - Railway Tracks (PCA # 46)
- APEC 4 - General Industrial Use (PCA # Unde fined)
- Existing Infrastructure**
- Finch Stormwater Pumping Station Wet Well
- Finch Stormwater Pumping Station Control Building
- Landowners**
- Granite
- Canadian Blood Services
- CN Rail
- DHL
- Private Campground
- TRCA / Claireville Conservation / Wet 'n' Wild Toronto
- Minister of Government Services (Crown)
- General Features**
- Rail
- Building Footprint
- Parcel
- Municipal Boundary

Figure 6
**Areas of Potential
Environmental Concern**
Phase One ESA

0 25 50 m

**APPENDIX A:
FIRE INSURANCE PLANS**





An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:

Swati

Site Address:

Finch SPS Mississauga ON Canada

Project No:

22091304927

Opta Order ID:

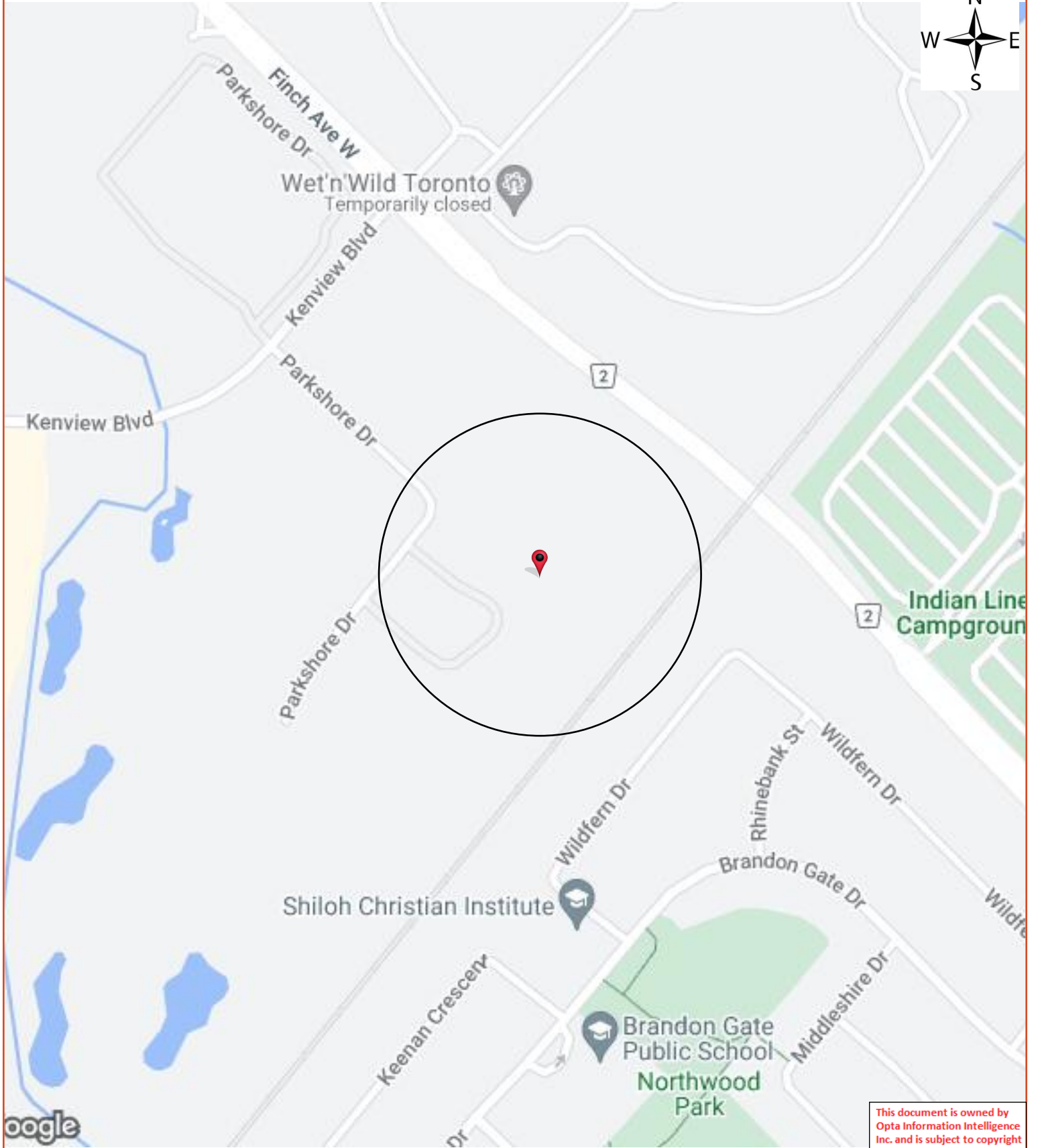
114301

Requested by:

Eleanor Goolab
ERIS

Date Completed:

9/27/2022 3:21:20 PM



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Opta Historical Environmental Services EnviroscanTM Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

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Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

No Records Found

Requested by:
Eleanor Goolab

Date Completed: 09/27/2022 15:21:20



OPTA INFORMATION INTELLIGENCE

No Records Found



**APPENDIX B:
CITY DIRECTORY**

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



CITY
DIRECTORY

Project Property: *7855 Finch Avenue West, Brampton, Ontario*
Report Type: *City Directory*
Order No: *22091304927*
Information Source: *Polk's Halton Peel Regions Ont., Criss Cross Directory (TRL)*
Date Completed: *September 21, 2022*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

City Directory Information Source

Polk's Halton Peel Regions Ont., Criss Cross Directory (TRL)

PROJECT NUMBER: 22091304927	
Site Address:	7855 Finch Avenue West, Brampton, Ontario
Year: 2001	
Site Listing:	-Street Not Listed
Adjacent Properties:	
7625 Finch Avenue West	-Street Not Listed
50 Kenview Boulevard	-Address Not Listed
5 Parkshore Drive	-Nizons LTD
18 Parkshore Drive	-Amram's Russ
80 Parkshore Drive	-Address Not Listed
85 Parkshore Drive	-Can Art Aluminum Extrusions INC
100 Parkshore Drive	-Prodigy Graphics Group

102 Parkshore Drive	-Brita Water Filter Systems -Trupco LTD
156 Parkshore Drive	-Conair Consumer Products INC -Cuisinart Canada

PROJECT NUMBER: 22091304927	
Site Address:	7855 Finch Avenue West, Brampton, Ontario
Year: 1996	
Site Listing:	-Street Not Listed
Adjacent Properties:	
7625 Finch Avenue West	-Street Not Listed
50 Kenview Boulevard	-Address Not Listed
5 Parkshore Drive	-Address Not Listed
18 Parkshore Drive	-Address Not Listed
80 Parkshore Drive	-Address Not Listed

85 Parkshore Drive	-Address Not Listed
100 Parkshore Drive	-Address Not Listed
102 Parkshore Drive	-Brita Water Filter Systems
156 Parkshore Drive	-Address Not Listed

PROJECT NUMBER: 22091304927	
Site Address:	7855 Finch Avenue West, Brampton, Ontario
Year: 1991	
Site Listing:	-Street Not Listed
Adjacent Properties:	
7625 Finch Avenue West	-Street Not Listed
50 Kenview Boulevard	-Address Not Listed
5 Parkshore Drive	-Street Not Listed
18 Parkshore Drive	-Street Not Listed

80 Parkshore Drive	-Street Not Listed
85 Parkshore Drive	-Street Not Listed
100 Parkshore Drive	-Street Not Listed
102 Parkshore Drive	-Street Not Listed
156 Parkshore Drive	-Street Not Listed

PROJECT NUMBER: 22091304927	
Site Address:	7855 Finch Avenue West, Brampton, Ontario
Year: 1986	
Site Listing:	-Street Not Listed
Adjacent Properties:	
7625 Finch Avenue West	-Street Not Listed
50 Kenview Boulevard	-Address Not Listed
5 Parkshore Drive	-Street Not Listed

18 Parkshore Drive	-Street Not Listed
80 Parkshore Drive	-Street Not Listed
85 Parkshore Drive	-Street Not Listed
100 Parkshore Drive	-Street Not Listed
102 Parkshore Drive	-Street Not Listed
156 Parkshore Drive	-Street Not Listed

PROJECT NUMBER: 22091304927	
Site Address:	7855 Finch Avenue West, Brampton, Ontario
Year: 1981	
Site Listing:	-Street Not Listed
Adjacent Properties:	
7625 Finch Avenue West	-Street Not Listed
50 Kenview Boulevard	-Address Not Listed

5 Parkshore Drive	-Street Not Listed
18 Parkshore Drive	-Street Not Listed
80 Parkshore Drive	-Street Not Listed
85 Parkshore Drive	-Street Not Listed
100 Parkshore Drive	-Street Not Listed
102 Parkshore Drive	-Street Not Listed
156 Parkshore Drive	-Street Not Listed

PROJECT NUMBER: 22091304927	
Site Address:	7855 Finch Avenue West, Brampton, Ontario
Year: 1976	
Site Listing:	-Street Not Listed
Adjacent Properties:	
7625 Finch Avenue West	-Street Not Listed

50 Kenview Boulevard	-Address Not Listed
5 Parkshore Drive	-Street Not Listed
18 Parkshore Drive	-Street Not Listed
80 Parkshore Drive	-Street Not Listed
85 Parkshore Drive	-Street Not Listed
100 Parkshore Drive	-Street Not Listed
102 Parkshore Drive	-Street Not Listed
156 Parkshore Drive	-Street Not Listed

PROJECT NUMBER: 22091304927	
Site Address:	7855 Finch Avenue West, Brampton, Ontario
Year: 1970-1971	
Site Listing:	-Street Not Listed
Adjacent Properties:	

7625 Finch Avenue West	-Street Not Listed
50 Kenview Boulevard	-Address Not Listed
5 Parkshore Drive	-Street Not Listed
18 Parkshore Drive	-Street Not Listed
80 Parkshore Drive	-Street Not Listed
85 Parkshore Drive	-Street Not Listed
100 Parkshore Drive	-Street Not Listed
102 Parkshore Drive	-Street Not Listed
156 Parkshore Drive	-Street Not Listed

PROJECT NUMBER: 22091304927	
Site Address:	7855 Finch Avenue West, Brampton, Ontario
Year: 1966	
Site Listing:	-Street Not Listed

Adjacent Properties:	
7625 Finch Avenue West	-Street Not Listed
50 Kenview Boulevard	-Address Not Listed
5 Parkshore Drive	-Street Not Listed
18 Parkshore Drive	-Street Not Listed
80 Parkshore Drive	-Street Not Listed
85 Parkshore Drive	-Street Not Listed
100 Parkshore Drive	-Street Not Listed
102 Parkshore Drive	-Street Not Listed
156 Parkshore Drive	-Street Not Listed

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.

**APPENDIX C:
ENVIRONMENTAL RISK INFORMATION
SERVICE (ERIS) REPORT**



DATABASE REPORT

Project Property: *Phase One ESA - Finch SPS MCEA
Finch SPS
Mississauga ON L4T*

Project No: *122062*

Report Type: *Quote - Custom-Build Your Own Report*

Order No: *22091304927*

Requested by: *GM BluePlan Engineering Limited*

Date Completed: *September 16, 2022*

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Executive Summary

Property Information:

Project Property: *Phase One ESA - Finch SPS MCEA
Finch SPS Mississauga ON L4T*

Project No: 122062

Order Information:

Order No: 22091304927
Date Requested: *September 13, 2022*
Requested by: *GM BluePlan Engineering Limited*
Report Type: *Quote - Custom-Build Your Own Report*

Historical/Products:

City Directory Search *CD - Subject Site plus 10 Adjacent Properties*

ERIS Xplorer [*ERIS Xplorer*](#)

Insurance Products *Fire Insurance Maps/Inspection Reports/Site Plans*

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	8	7	15
CA	<i>Certificates of Approval</i>	Y	3	3	6
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	1	1	2
EBR	<i>Environmental Registry</i>	Y	2	2	4
ECA	<i>Environmental Compliance Approval</i>	Y	5	2	7
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	6	19	25
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	25	36	61
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	1	13	14
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	2	2
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	5	7	12
SPL	Ontario Spills	Y	0	4	4
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	0	1
Total:			57	96	153

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	SCT	PRODIGY GRAPHICS GROUP INC.	1000 Parkshore Dr Brampton ON L6T 5M1	N/0.0	1.08	40
1	SCT	Prodigy Graphics	100 Parkshore Dr Brampton ON L6T 5M1	N/0.0	1.08	40
1	GEN	PRODIGY GRAPHICS GROUP INC.	100 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	N/0.0	1.08	40
1	EHS		100 Parkshore Drive Brampton ON L6T 5M1	N/0.0	1.08	41
1	EHS		100 Parkshore Drive Brampton ON L6T 5M1	N/0.0	1.08	41
1	EHS		100 Parkshore Drive Brampton ON L6T 5M1	N/0.0	1.08	41
1	CA	Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	N/0.0	1.08	41
1	GEN	Canadian Blood Services	100 Parkshore Drive Brampton ON L6T 5M1	N/0.0	1.08	42

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	Canadian Blood Services	100 Parkshore Dr Brampton ON	N/0.0	1.08	42
1	EHS		100 Parkshore Dr Brampton ON L6T5M1	N/0.0	1.08	42
1	GEN	Canadian Blood Services	100 Parkshore Dr Brampton ON	N/0.0	1.08	42
1	ECA	Canadian Blood Services	100 Parkshore Dr Brampton ON K1G 4J5	N/0.0	1.08	43
1	GEN	Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	N/0.0	1.08	43
1	GEN	Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	N/0.0	1.08	44
1	GEN	Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	N/0.0	1.08	45
1	GEN	Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	N/0.0	1.08	45
1	GEN	Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	N/0.0	1.08	46
1	GEN	Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	N/0.0	1.08	48

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	N/0.0	1.08	49
2	WWIS		S/W OF FINCH AVE & 407 BRAMPTON ON <i>Well ID: 7234637</i>	ENE/0.0	1.13	50
3	SCT	BRITA CANADA INC.	102 PARKSHORE DR BRAMPTON ON L6T 5M1	WSW/0.0	1.13	52
3	SCT	BRITA (CANADA) INC.	102 Parkshore Dr Brampton ON L6T 5M1	WSW/0.0	1.13	52
3	SCT	Brita (Canada) Corp.	102 Parkshore Dr Brampton ON L6T 5M1	WSW/0.0	1.13	52
3	EBR	Brita (Canada) Inc.	102 Parkshore Drive Brampton Ontario L6T 5M1 Brampton ON	WSW/0.0	1.13	53
3	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	WSW/0.0	1.13	53
3	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	54
3	NPRI	THE CLOROX COMPANY OF CANADA	102 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T 5M1	WSW/0.0	1.13	54

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>3</u>	EBR	Brita Canada Corporation	102 Parkshore Drive Brampton Regional Municipality of Peel L6T 5M1 CITY OF BRAMPTON ON	WSW/0.0	1.13	<u>55</u>
<u>3</u>	CA	Brita Canada Corporation	102 Parkshore Dr Brampton ON L6T 5M1	WSW/0.0	1.13	<u>55</u>
<u>3</u>	CA	Brita (Canada) Inc.	102 Parkshore Drive Brampton ON L6T 5M1	WSW/0.0	1.13	<u>56</u>
<u>3</u>	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	<u>56</u>
<u>3</u>	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	<u>57</u>
<u>3</u>	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	<u>57</u>
<u>3</u>	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	<u>57</u>
<u>3</u>	EASR	BRITA CANADA CORPORATION/CORPORATI ON BRITA CANADA	102 Parkshore DR Brampton ON L6T 5M1	WSW/0.0	1.13	<u>58</u>
<u>3</u>	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON	WSW/0.0	1.13	<u>58</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>3</u>	ECA	Brita Canada Corporation	102 Parkshore Dr Brampton ON L6T 5M1	WSW/0.0	1.13	<u>59</u>
<u>3</u>	ECA	Brita (Canada) Inc.	102 Parkshore Drive Brampton ON L6T 5M1	WSW/0.0	1.13	<u>59</u>
<u>3</u>	ECA	Brita Canada Corporation	102 Parkshore Dr Brampton ON L6T 5M1	WSW/0.0	1.13	<u>59</u>
<u>3</u>	ECA	Brita Canada Corporation	102 Parkshore Dr Brampton ON L6T 5M1	WSW/0.0	1.13	<u>60</u>
<u>3</u>	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	<u>60</u>
<u>3</u>	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	<u>61</u>
<u>3</u>	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	<u>61</u>
<u>3</u>	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	<u>62</u>
<u>3</u>	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	<u>62</u>
<u>3</u>	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	<u>62</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
4	GEN	BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	WSW/0.0	1.13	63
5	EHS		102 Parkshore Drive Brampton ON L6T 5M1	SW/0.0	1.13	63
5	EHS		102 Parkshore Drive Brampton ON L6T 5M1	SW/0.0	1.13	64
6	BORE		ON	NE/0.0	1.13	64
7	BORE		ON	ENE/0.0	1.09	64
8	BORE		ON	ENE/0.0	1.22	65
9	BORE		ON	ENE/0.0	1.13	66
10	BORE		ON	E/0.0	1.13	66
11	BORE		ON	ENE/0.0	1.29	67

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
12	BORE		ON	ENE/0.0	1.13	68
13	BORE		ON	ENE/0.5	1.13	69

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
14	EHS		S3-E11 Vaughan ON	SSW/3.9	1.13	69
15	BORE		ON	E/12.3	1.13	70
16	PINC	PIPELINE HIT - 1/2"	7709 WILDFERN DRIVE,,MISSISSAUGA, ON,L4T 3P8,CA ON	ESE/19.6	1.13	70
17	GEN	CAN ART ALUMINUM EXTRUSION LP	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/40.2	1.13	71
18	SCT	Can Art Aluminum Extrusion Inc	85 Parkshore Dr Brampton ON L6T 5M1	W/45.2	1.71	71
18	SCT	Can Art Aluminum Extrusion Inc.	85 Parkshore Dr Brampton ON L6T 5M1	W/45.2	1.71	71
18	GEN	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/45.2	1.71	72
18	NPRI	CAN ART ALUMINUM EXTRUSION INC	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	72
18	NPRI	CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	73
18	NPRI	CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	73
18	NPRI	CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	74
18	NPRI	CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	75

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
18	EBR	Can Art Aluminum Extrusion Inc.	85 Parkshore Drive Brampton Regional Municipality of Peel L6T 5M1 CITY OF BRAMPTON ON	W/45.2	1.71	75
18	NPRI	CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	76
18	CA	Can Art Aluminum Extrusion Inc.	85 Parkshore Dr Brampton ON L6T 5M1	W/45.2	1.71	77
18	NPRI	CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	77
18	NPRI	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	78
18	GEN	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/45.2	1.71	78
18	NPRI	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	79
18	GEN	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/45.2	1.71	80
18	GEN	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/45.2	1.71	80
18	GEN	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/45.2	1.71	80
18	NPRI	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	81
18	GEN	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON	W/45.2	1.71	82

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
18	NPRI	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	82
18	NPRI	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	83
18	ECA	Can Art Aluminum Extrusion Inc.	85 Parkshore Dr Brampton ON L6T 5M1	W/45.2	1.71	83
18	GEN	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/45.2	1.71	84
18	GEN	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/45.2	1.71	84
18	GEN	CAN ART ALUMINUM EXTRUSION LP	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/45.2	1.71	85
18	GEN	CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/45.2	1.71	85
18	NPRI	Can Art Aluminum Extrusion Inc.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	W/45.2	1.71	86
18	EHS		85 Parkshore Drive Brampton ON	W/45.2	1.71	86
18	GEN	CAN ART ALUMINUM EXTRUSION LP	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/45.2	1.71	86
18	EBR	10007986 Canada Inc., as general partner for and on behalf of Can Art Aluminum	Extrusion Limited Partnership 85 Parkshore Drive Brampton, ON L6T 5M1 Canada ON	W/45.2	1.71	87
18	GEN	CAN ART ALUMINUM EXTRUSION LP	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	W/45.2	1.71	87
18	ECA	10007986 Canada Inc., as general partner for and on behalf of Can Art Aluminum	Extrusion Limited Partnership 85 Parkshore Dr Brampton ON L6T 5M1	W/45.2	1.71	88

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
19	BORE		ON	E/50.1	1.13	88
20	GEN	MEARS CANADACORP. / MEARS	170 Parkshore dr Brampton ON L6T5M1	WSW/53.3	1.13	89
21	SCT	ZENAN INC.	7795 WILDFERN DR MISSISSAUGA ON L4T 3P8	S/70.4	1.13	89
22	SCT	Conair Cuisinart Consumer Products Inc.	156 Parkshore Dr Brampton ON L6T 5M1	SW/77.0	1.13	89
22	SCT	Conair Consumer Products Inc.	156 Parkshore Dr Brampton ON L6T 5M1	SW/77.0	1.13	90
22	EHS		156 Parkshore Drive Brampton ON L6T 5M1	SW/77.0	1.13	90
22	GEN	CONAIR CONSUMER PRODUCTS	156 PARKSIDE DRIVE BRAMPTON ON	SW/77.0	1.13	90
22	SCT	Conair Corporation	156 Parkshore Dr Brampton ON L6T 5M1	SW/77.0	1.13	90
22	EHS		156 Parkshore Drive Brampton ON L6T 5M1	SW/77.0	1.13	91
22	EHS		156 Parkshore Drive Brampton ON L6T 5M1	SW/77.0	1.13	91
22	EHS		156 Parkshore Drive Brampton ON L6T 5M1	SW/77.0	1.13	91
23	EHS		18 Parkshore Drive Brampton ON L6T 5M1	NW/90.9	2.49	91
23	EHS		18 Parkshore Drive Brampton ON L6T 5M1	NW/90.9	2.49	92

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
23	EASR	JANICK ELECTRIC LIMITED	18 PARKSHORE DR BRAMPTON ON L6T 5M1	NW/90.9	2.49	92
23	EHS		18 Parkshore Drive Brampton ON L6T 0G7	NW/90.9	2.49	92
23	GEN	DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	NW/90.9	2.49	92
23	GEN	DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	NW/90.9	2.49	93
23	GEN	DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	NW/90.9	2.49	93
23	GEN	DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	NW/90.9	2.49	94
23	GEN	DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	NW/90.9	2.49	94
23	GEN	DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	NW/90.9	2.49	95
24	BORE		ON	E/106.5	1.13	95
25	EHS		18 Parkshore Drive Brampton ON L6T 5M1	NW/113.5	3.23	96
25	EHS		18 Parkshore Drive Brampton ON L6T 5M1	NW/113.5	3.23	96
26	SCT	Nizsons Limited	5 Parkshore Dr Brampton ON L6T 5M1	WNW/116.9	2.13	96
26	GEN	Colliers International	5 Parkshore Dr. Brampton ON L6T 5M1	WNW/116.9	2.13	97

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
26	EHS		5 Parkshore Dr Brampton ON L6T5M1	WNW/116.9	2.13	97
27	EHS		5 Parkshore Drive Brampton ON L6T 5M1	WNW/117.1	2.13	97
28	EHS		5 Parkshore Drive Brampton ON L6T 5M1	WNW/117.8	2.13	97
29	SPL	RECREATIONAL SITE	7855 FINCH AVE. WEST BRAMPTON CITY ON	N/143.5	6.12	97
29	SPL	WHITEWATER KINGDOM	7855 FINCH,WHITE WATER KINGDOM. 7855 FINCH AVENUE BRAMPTON BRAMPTON CITY ON L6T 3Y7	N/143.5	6.12	98
29	GEN	Wild Water Kingdom Ltd	7855 Finch Ave West Brampton ON L6T 0B2	N/143.5	6.12	98
29	GEN	Wild Water Kingdom Ltd	7855 Finch Ave West Brampton ON L6T 0B2	N/143.5	6.12	99
29	SPL		7855 Finch Ave Unit 505 Brampton ON	N/143.5	6.12	99
30	EHS		7855 Finch Ave Brampton ON L6T0B2	N/144.6	7.14	100
30	EHS		7855 Finch Ave Brampton ON L6T0B2	N/144.6	7.14	100
30	PINC	SIERRA EXCAVATING ENTERPRISES	7855 FINCH AVE UNIT 505,,BRAMPTON, ON,L6T 0B2,CA ON	N/144.6	7.14	100
31	CA	R.M. OF PEEL	WILDFERN DR/BRANDON GATE DR. MISSISSAUGA CITY ON	SSE/151.8	1.13	101

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
31	CA	R.M. OF PEEL	WILDFERN DR/BRANDON GATE DR. MISSISSAUGA CITY ON	SSE/151.8	1.13	101
32	BORE		ON	SSE/168.3	1.13	101
33	BORE		ON	ENE/201.9	0.00	102
34	GEN	Castello Landscape Construction	19-54 Kenview Blvd Brampton ON L6T-5G6	NW/207.3	4.14	104
34	GEN	Castello Landscape Construction	19-54 Kenview Blvd Brampton ON L6T-5G6	NW/207.3	4.14	104
34	GEN	Castello Landscape Construction	19-54 Kenview Blvd Brampton ON L6T-5G6	NW/207.3	4.14	104
35	GEN	METROPOLITAN TORONTO & REGION	INDIAN LINE CAMPGROUND 7625 FINCH AVENUE WEST BRAMPTON ON L6T 3Y7	E/218.5	1.13	105
35	GEN	METROPOLITAN TORONTO & REGION 26-988	CONS. AUTHY., INDIAN LINE CAMPGROUND 7625 FINCH AVE. W. RR #8 BRAMPTON ON L6T 3Y7	E/218.5	1.13	105
35	GEN	METROPOLITAN TORONTO AND	INDIAN LINE CAMPGROUND 7625 FINCH AVENUE WEST, R.R. #8 BRAMPTON ON L6T 3Y7	E/218.5	1.13	105
35	GEN	Toronto and Region Conservation Authority	7625 Finch Ave Brampton ON L6T 0B2	E/218.5	1.13	106
36	EHS		50 Kenview Blvd Brampton ON L6T 5S8	NW/222.7	2.88	106
36	EHS		50 Kenview Boulevard Brampton ON L6T 5S8	NW/222.7	2.88	106
36	EHS		50 Kenview Boulevard Brampton ON L6T 5S8	NW/222.7	2.88	106

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
36	GEN	Shnier, Gesco L.P.	50 Kenview Boulevard Brampton ON L6T 5S8	NW/222.7	2.88	107
36	GEN	Shnier, Gesco L.P.	50 Kenview Boulevard Brampton ON L6T 5S8	NW/222.7	2.88	107
36	GEN	Shnier, Gesco L.P.	50 Kenview Drive Brampton ON L6T 5S8	NW/222.7	2.88	107
36	GEN	Shnier, Gesco L.P.	50 Kenview Boulevard Brampton ON L6T 5S8	NW/222.7	2.88	108
36	GEN	Shnier, Gesco L.P.	50 Kenview Boulevard Brampton ON L6T 5S8	NW/222.7	2.88	108
37	BORE		ON	E/226.2	1.13	108
38	BORE		ON	ENE/232.8	0.06	109
39	SPL	UNKNOWN	3800 BRANDON GATE DRIVE/BRANDON GATE SCHOOL. MALTON. MISSISSAUGA CITY ON L4T 3V9	S/238.7	1.13	111

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 15 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	0.0	<u>6</u>
	ON	0.0	<u>7</u>
	ON	0.0	<u>8</u>
	ON	0.0	<u>9</u>
	ON	0.0	<u>10</u>
	ON	0.0	<u>11</u>
	ON	0.0	<u>12</u>
	ON	0.5	<u>13</u>
	ON	12.3	<u>15</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	50.1	<u>19</u>
	ON	106.5	<u>24</u>
	ON	168.3	<u>32</u>
	ON	201.9	<u>33</u>
	ON	226.2	<u>37</u>
	ON	232.8	<u>38</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 6 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>1</u>
Brita (Canada) Inc.	102 Parkshore Drive Brampton ON L6T 5M1	0.0	<u>3</u>
Brita Canada Corporation	102 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>3</u>
Can Art Aluminum Extrusion Inc.	85 Parkshore Dr Brampton ON L6T 5M1	45.2	<u>18</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
R.M. OF PEEL	WILDFERN DR/BRANDON GATE DR. MISSISSAUGA CITY ON	151.8	31
R.M. OF PEEL	WILDFERN DR/BRANDON GATE DR. MISSISSAUGA CITY ON	151.8	31

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Jul 31, 2022 has found that there are 2 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
BRITA CANADA CORPORATION/CORPORATION BRITA CANADA	102 Parkshore DR Brampton ON L6T 5M1	0.0	3
JANICK ELECTRIC LIMITED	18 PARKSHORE DR BRAMPTON ON L6T 5M1	90.9	23

EBR - Environmental Registry

A search of the EBR database, dated 1994 - Jul 31, 2022 has found that there are 4 EBR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Brita (Canada) Inc.	102 Parkshore Drive Brampton Ontario L6T 5M1 Brampton ON	0.0	3
Brita Canada Corporation	102 Parkshore Drive Brampton Regional Municipality of Peel L6T 5M1 CITY OF BRAMPTON ON	0.0	3
Can Art Aluminum Extrusion Inc.	85 Parkshore Drive Brampton Regional Municipality of Peel L6T 5M1 CITY OF BRAMPTON ON	45.2	18

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
10007986 Canada Inc., as general partner for and on behalf of Can Art Aluminum	Extrusion Limited Partnership 85 Parkshore Drive Brampton, ON L6T 5M1 Canada ON	45.2	<u>18</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Jul 31, 2022 has found that there are 7 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Canadian Blood Services	100 Parkshore Dr Brampton ON K1G 4J5	0.0	<u>1</u>
Brita Canada Corporation	102 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>3</u>
Brita Canada Corporation	102 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>3</u>
Brita (Canada) Inc.	102 Parkshore Drive Brampton ON L6T 5M1	0.0	<u>3</u>
Brita Canada Corporation	102 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>3</u>
10007986 Canada Inc., as general partner for and on behalf of Can Art Aluminum	Extrusion Limited Partnership 85 Parkshore Dr Brampton ON L6T 5M1	45.2	<u>18</u>
Can Art Aluminum Extrusion Inc.	85 Parkshore Dr Brampton ON L6T 5M1	45.2	<u>18</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2022 has found that there are 25 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	100 Parkshore Dr Brampton ON L6T5M1	0.0	<u>1</u>
	100 Parkshore Drive Brampton ON L6T 5M1	0.0	<u>1</u>
	100 Parkshore Drive Brampton ON L6T 5M1	0.0	<u>1</u>
	100 Parkshore Drive Brampton ON L6T 5M1	0.0	<u>1</u>
	102 Parkshore Drive Brampton ON L6T 5M1	0.0	<u>5</u>
	102 Parkshore Drive Brampton ON L6T 5M1	0.0	<u>5</u>
	S3-E11 Vaughan ON	3.9	<u>14</u>
	85 Parkshore Drive Brampton ON	45.2	<u>18</u>
	156 Parkshore Drive Brampton ON L6T 5M1	77.0	<u>22</u>
	156 Parkshore Drive Brampton ON L6T 5M1	77.0	<u>22</u>
	156 Parkshore Drive Brampton ON L6T 5M1	77.0	<u>22</u>
	156 Parkshore Drive Brampton ON L6T 5M1	77.0	<u>22</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	18 Parkshore Drive Brampton ON L6T 5M1	90.9	<u>23</u>
	18 Parkshore Drive Brampton ON L6T 5M1	90.9	<u>23</u>
	18 Parkshore Drive Brampton ON L6T 0G7	90.9	<u>23</u>
	18 Parkshore Drive Brampton ON L6T 5M1	113.5	<u>25</u>
	18 Parkshore Drive Brampton ON L6T 5M1	113.5	<u>25</u>
	5 Parkshore Dr Brampton ON L6T5M1	116.9	<u>26</u>
	5 Parkshore Drive Brampton ON L6T 5M1	117.1	<u>27</u>
	5 Parkshore Drive Brampton ON L6T 5M1	117.8	<u>28</u>
	7855 Finch Ave Brampton ON L6T0B2	144.6	<u>30</u>
	7855 Finch Ave Brampton ON L6T0B2	144.6	<u>30</u>
	50 Kenview Blvd Brampton ON L6T 5S8	222.7	<u>36</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	50 Kenview Boulevard Brampton ON L6T 5S8	222.7	36
	50 Kenview Boulevard Brampton ON L6T 5S8	222.7	36

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2022 has found that there are 61 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRODIGY GRAPHICS GROUP INC.	100 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	0.0	1
Canadian Blood Services	100 Parkshore Drive Brampton ON L6T 5M1	0.0	1
Canadian Blood Services	100 Parkshore Dr Brampton ON	0.0	1
Canadian Blood Services	100 Parkshore Dr Brampton ON	0.0	1
Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	0.0	1
Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	0.0	1
Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	0.0	1
Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	0.0	1

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>1</u>
Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>1</u>
Canadian Blood Services	100 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>1</u>
BRITA CANADA CORPORATION	102 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>3</u>

Site	Address	Distance (m)	Map Key
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA CORPORATION	102 PARKSHORE DR. BRAMPTON ON L6T 5M1	0.0	<u>4</u>
CAN ART ALUMINUM EXTRUSION LP	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	40.2	<u>17</u>
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	45.2	<u>18</u>
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	45.2	<u>18</u>
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	45.2	<u>18</u>
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	45.2	<u>18</u>
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	45.2	<u>18</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON	45.2	<u>18</u>
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	45.2	<u>18</u>
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	45.2	<u>18</u>
CAN ART ALUMINUM EXTRUSION LP	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	45.2	<u>18</u>
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	45.2	<u>18</u>
CAN ART ALUMINUM EXTRUSION LP	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	45.2	<u>18</u>
CAN ART ALUMINUM EXTRUSION LP	85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	45.2	<u>18</u>
MEARS CANADACORP. / MEARS	170 Parkshore dr Brampton ON L6T5M1	53.3	<u>20</u>
CONAIR CONSUMER PRODUCTS	156 PARKSIDE DRIVE BRAMPTON ON	77.0	<u>22</u>
DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	90.9	<u>23</u>
DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	90.9	<u>23</u>

Site	Address	Distance (m)	Map Key
DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	90.9	23
DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	90.9	23
DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	90.9	23
DHL EXPRESS (CANADA) LTD.	18 PARKSHORE DR. BRAMPTON ON L6T 5M1	90.9	23
Colliers International	5 Parkshore Dr. Brampton ON L6T 5M1	116.9	26
Wild Water Kingdom Ltd	7855 Finch Ave West Brampton ON L6T 0B2	143.5	29
Wild Water Kingdom Ltd	7855 Finch Ave West Brampton ON L6T 0B2	143.5	29
Castello Landscape Construction	19-54 Kenview Blvd Brampton ON L6T-5G6	207.3	34
Castello Landscape Construction	19-54 Kenview Blvd Brampton ON L6T-5G6	207.3	34
Castello Landscape Construction	19-54 Kenview Blvd Brampton ON L6T-5G6	207.3	34
METROPOLITAN TORONTO & REGION	INDIAN LINE CAMPGROUND 7625 FINCH AVENUE WEST BRAMPTON ON L6T 3Y7	218.5	35
METROPOLITAN TORONTO & REGION 26-988	CONS. AUTHY., INDIAN LINE CAMPGROUND 7625 FINCH AVE. W. RR #8 BRAMPTON ON L6T 3Y7	218.5	35

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
METROPOLITAN TORONTO AND	INDIAN LINE CAMPGROUND 7625 FINCH AVENUE WEST, R.R. #8 BRAMPTON ON L6T 3Y7	218.5	<u>35</u>
Toronto and Region Conservation Authority	7625 Finch Ave Brampton ON L6T 0B2	218.5	<u>35</u>
Shnier, Gesco L.P.	50 Kenview Boulevard Brampton ON L6T 5S8	222.7	<u>36</u>
Shnier, Gesco L.P.	50 Kenview Boulevard Brampton ON L6T 5S8	222.7	<u>36</u>
Shnier, Gesco L.P.	50 Kenview Drive Brampton ON L6T 5S8	222.7	<u>36</u>
Shnier, Gesco L.P.	50 Kenview Boulevard Brampton ON L6T 5S8	222.7	<u>36</u>
Shnier, Gesco L.P.	50 Kenview Boulevard Brampton ON L6T 5S8	222.7	<u>36</u>

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 14 NPRI site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
THE CLOROX COMPANY OF CANADA	102 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T 5M1	0.0	<u>3</u>
CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	<u>18</u>

Site	Address	Distance (m)	Map Key
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18
CAN ART ALUMINUM EXTRUSION INC.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18
CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18
Can Art Aluminum Extrusion Inc.	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18
CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18
CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18
CAN ART ALUMINUM EXTRUSION INC	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18
CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18
CAN ART ALUMINUM EXTRUSION	85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	45.2	18

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PIPELINE HIT - 1/2"	7709 WILDFERN DRIVE,,MISSISSAUGA,ON, L4T 3P8,CA ON	19.6	<u>16</u>
SIERRA EXCAVATING ENTERPRISES	7855 FINCH AVE UNIT 505,,BRAMPTON, ON,L6T 0B2,CA ON	144.6	<u>30</u>

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 12 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Prodigy Graphics	100 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>1</u>
PRODIGY GRAPHICS GROUP INC.	1000 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>1</u>
BRITA (CANADA) INC.	102 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>3</u>
BRITA CANADA INC.	102 PARKSHORE DR BRAMPTON ON L6T 5M1	0.0	<u>3</u>
Brita (Canada) Corp.	102 Parkshore Dr Brampton ON L6T 5M1	0.0	<u>3</u>
Can Art Aluminum Extrusion Inc	85 Parkshore Dr Brampton ON L6T 5M1	45.2	<u>18</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Can Art Aluminum Extrusion Inc.	85 Parkshore Dr Brampton ON L6T 5M1	45.2	<u>18</u>
ZENAN INC.	7795 WILDFERN DR MISSISSAUGA ON L4T 3P8	70.4	<u>21</u>
Conair Corporation	156 Parkshore Dr Brampton ON L6T 5M1	77.0	<u>22</u>
Conair Consumer Products Inc.	156 Parkshore Dr Brampton ON L6T 5M1	77.0	<u>22</u>
Conair Cuisinart Consumer Products Inc.	156 Parkshore Dr Brampton ON L6T 5M1	77.0	<u>22</u>
Nizsons Limited	5 Parkshore Dr Brampton ON L6T 5M1	116.9	<u>26</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 4 SPL site(s) within approximately 0.25 kilometers of the project property.

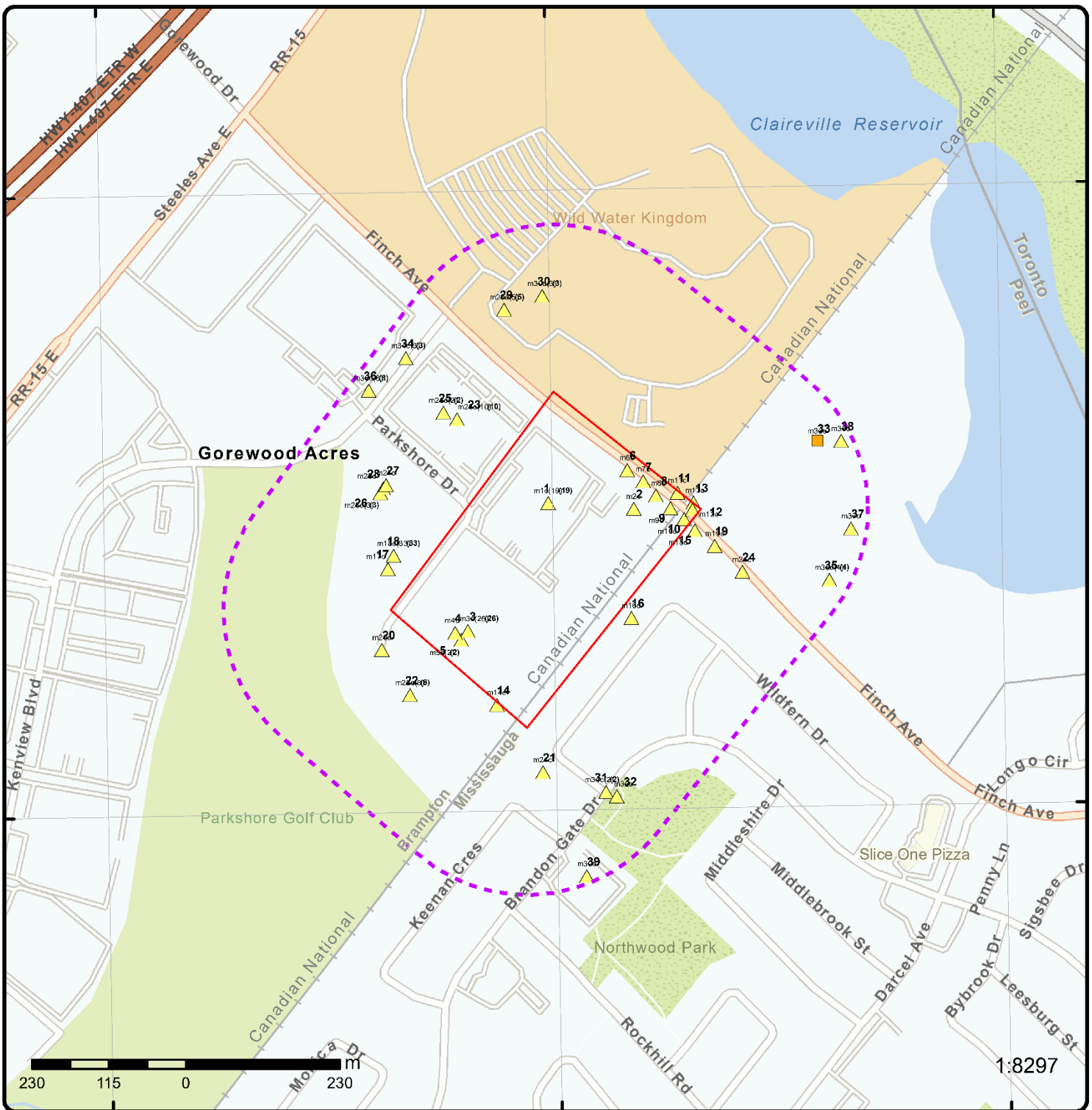
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
RECREATIONAL SITE	7855 FINCH AVE. WEST BRAMPTON CITY ON	143.5	<u>29</u>
	7855 Finch Ave Unit 505 Brampton ON	143.5	<u>29</u>
WHITEWATER KINGDOM	7855 FINCH,WHITE WATER KINGDOM. 7855 FINCH AVENUE BRAMPTON BRAMPTON CITY ON L6T 3Y7	143.5	<u>29</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
UNKNOWN	3800 BRANDON GATE DRIVE/BRANDON GATE SCHOOL. MALTON. MISSISSAUGA CITY ON L4T 3V9	238.7	39

WWIS - Water Well Information System

A search of the WWIS database, dated Jan 31, 2022 has found that there are 1 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	S/W OF FINCH AVE & 407 BRAMPTON ON <i>Well ID:</i> 7234637	0.0	2



Map: 0.25 Kilometer Radius

Order Number: 22091304927

Address: Finch SPS, Mississauga, ON



Project Property	Freeways; Highways	Beach	Shopping & Sports Area
Buffer Outline	Traffic Circle; Ramp	Airport	University/College
Eris Sites with Higher Elevation	Major Arterial; Minor Arterial	Industrial Area	Cemetery; Golf Course
Eris Sites with Same Elevation	Local Road	Military Base	Parkt (National)
Eris Sites with Lower Elevation	Service Road; Traffic Circle; Ramp	Aircraft Roads	Park (City/County)
Eris Sites with Unknown Elevation	Rail	Native Reservation	Hospital



Aerial Year: 2021

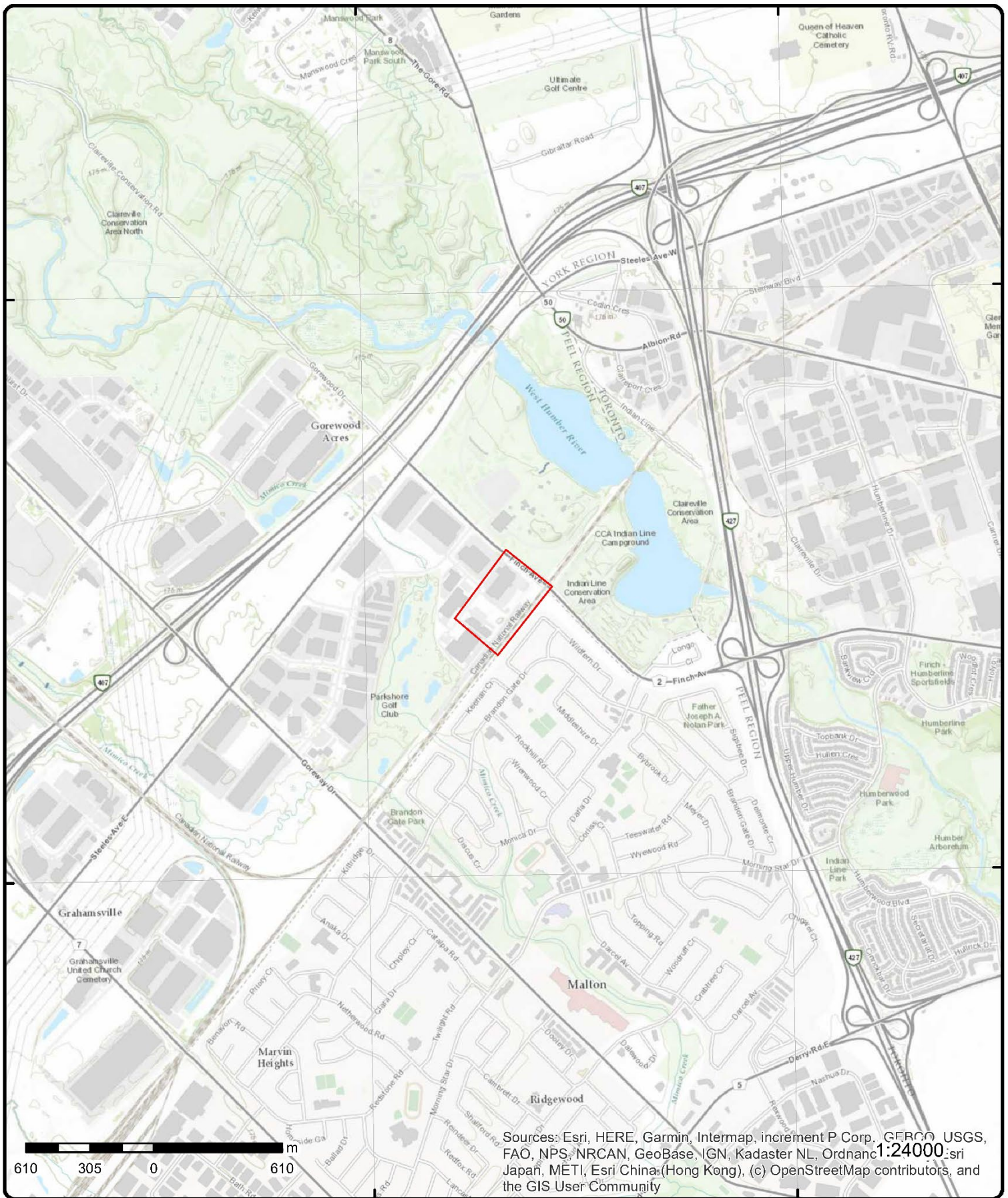
Order Number: 22091304927

Address: Finch SPS, Mississauga, ON



Source: ESRI World Imagery

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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Topographic Map

Address: Finch SPS, ON

Source: ESRI World Topographic Map

Order Number: 22091304927



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 19	N/0.0	169.8 / 1.08	PRODIGY GRAPHICS GROUP INC. 100 Parkshore Dr Brampton ON L6T 5M1	SCT
Established: Plant Size (ft²): Employment:		1976 7000 150			
--Details--					
Description:		Digital Printing			
SIC/NAICS Code:		323115			
Description:		Other Printing			
SIC/NAICS Code:		323119			
Description:		Support Activities for Printing			
SIC/NAICS Code:		323120			
Description:		Quick Printing			
SIC/NAICS Code:		323114			
<u>1</u>	2 of 19	N/0.0	169.8 / 1.08	Prodigy Graphics 100 Parkshore Dr Brampton ON L6T 5M1	SCT
Established: Plant Size (ft²): Employment:		1976 150000 150			
--Details--					
Description:		Other Printing			
SIC/NAICS Code:		323119			
Description:		Support Activities for Printing			
SIC/NAICS Code:		323120			
<u>1</u>	3 of 19	N/0.0	169.8 / 1.08	PRODIGY GRAPHICS GROUP INC. 100 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:		ON1462802 2819 OTHER COMM. PRINTING 99,00,01,02,03,04		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	
Detail(s)					
Waste Class:		145			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	264				
Waste Class Desc:	PHOTOPROCESSING WASTES				
Waste Class:	265				
Waste Class Desc:	GRAPHIC ART WASTES				
<u>1</u>	4 of 19	N/0.0	169.8 / 1.08	100 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	20050911005	Nearest Intersection:	West of Finch		
Status:	C	Municipality:			
Report Type:	Complete Report	Client Prov/State:	ON		
Report Date:	9/13/2005	Search Radius (km):	0.25		
Date Received:	9/11/2005	X:	-79.64285		
Previous Site Name:		Y:	43.737345		
Lot/Building Size:					
Additional Info Ordered:					
<u>1</u>	5 of 19	N/0.0	169.8 / 1.08	100 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	20051114029	Nearest Intersection:	Peel		
Status:	C	Municipality:	ON		
Report Type:	Custom Report	Client Prov/State:	ON		
Report Date:	11/23/2005	Search Radius (km):	0.25		
Date Received:	11/14/2005	X:	-79.643097		
Previous Site Name:		Y:	43.737335		
Lot/Building Size:					
Additional Info Ordered:					
<u>1</u>	6 of 19	N/0.0	169.8 / 1.08	100 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	20081219011	Nearest Intersection:	Kenview Boulevard		
Status:	C	Municipality:	Brampton		
Report Type:	Standard Report	Client Prov/State:	ON		
Report Date:	1/5/2009	Search Radius (km):	0.25		
Date Received:	12/19/2008	X:	-79.641899		
Previous Site Name:		Y:	43.737347		
Lot/Building Size:	Lot = 9.54 acres				
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Search; Aerials Photos; City Directory				
<u>1</u>	7 of 19	N/0.0	169.8 / 1.08	Canadian Blood Services 100 Parkshore Dr Brampton ON L6T 5M1	CA
Certificate #:	2123-8KLQS9				
Application Year:	2011				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Issue Date:		8/12/2011			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
1	8 of 19	N/0.0	169.8 / 1.08	Canadian Blood Services 100 Parkshore Drive Brampton ON L6T 5M1	GEN
Generator No:		ON4501650		Status:	
SIC Code:		621494		Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:		2011		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
1	9 of 19	N/0.0	169.8 / 1.08	Canadian Blood Services 100 Parkshore Dr Brampton ON	GEN
Generator No:		ON5745765		Status:	
SIC Code:		325410		Co Admin:	
SIC Description:		Pharmaceutical and Medicine Manufacturing		Choice of Contact:	
Approval Years:		2012		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
1	10 of 19	N/0.0	169.8 / 1.08	100 Parkshore Dr Brampton ON L6T5M1	EHS
Order No:		20130710010		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State: ON	
Report Date:		18-JUL-13		Search Radius (km): .25	
Date Received:		10-JUL-13		X: -79.64205	
Previous Site Name:				Y: 43.737387	
Lot/Building Size:					
Additional Info Ordered:					
1	11 of 19	N/0.0	169.8 / 1.08	Canadian Blood Services 100 Parkshore Dr Brampton ON	GEN
Generator No:		ON5745765		Status:	
SIC Code:		325410		Co Admin:	
SIC Description:		PHARMACEUTICAL AND MEDICINE MANUFACTURING		Choice of Contact:	
Approval Years:		2013		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			

<u>1</u>	12 of 19	N/0.0	169.8 / 1.08	Canadian Blood Services 100 Parkshore Dr Brampton ON K1G 4J5	ECA
Approval No:	2123-8KLQS9			MOE District:	Halton-Peel
Approval Date:	2011-08-12			City:	
Status:	Approved			Longitude:	-79.64197
Record Type:	ECA			Latitude:	43.737564
Link Source:	IDS			Geometry X:	
SWP Area Name:	Toronto			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	Canadian Blood Services				
Address:	100 Parkshore Dr				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7474-8HFHGM-14.pdf				
PDF Site Location:					

<u>1</u>	13 of 19	N/0.0	169.8 / 1.08	Canadian Blood Services 100 Parkshore Dr Brampton ON L6T 5M1	GEN
Generator No:	ON5745765			Status:	
SIC Code:	325410			Co Admin:	
SIC Description:	PHARMACEUTICAL AND MEDICINE MANUFACTURING			Choice of Contact:	CO_OFFICIAL
Approval Years:	2016			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		265			
Waste Class Desc:		GRAPHIC ART WASTES			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			

1 14 of 19 N/0.0 169.8 / 1.08 **Canadian Blood Services**
100 Parkshore Dr
Brampton ON L6T 5M1 **GEN**

Generator No:	ON5745765	Status:	
SIC Code:	325410	Co Admin:	
SIC Description:	PHARMACEUTICAL AND MEDICINE MANUFACTURING	Choice of Contact:	CO_OFFICIAL
Approval Years:	2015	Phone No Admin:	
PO Box No:		Contam. Facility:	No
Country:	Canada	MHSW Facility:	No

Detail(s)

Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	252

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		265			
Waste Class Desc:		GRAPHIC ART WASTES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			

<u>1</u>	15 of 19	N/0.0	169.8 / 1.08	Canadian Blood Services 100 Parkshore Dr Brampton ON L6T 5M1	GEN
Generator No:	ON5745765			Status:	
SIC Code:	325410			Co Admin:	
SIC Description:	PHARMACEUTICAL AND MEDICINE MANUFACTURING			Choice of Contact:	CO_OFFICIAL
Approval Years:	2014			Phone No Admin:	No
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No

Detail(s)

Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	121				
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS				

<u>1</u>	16 of 19	N/0.0	169.8 / 1.08	Canadian Blood Services 100 Parkshore Dr	GEN
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Brampton ON L6T 5M1

Generator No:	ON5745765	Status:	Registered
SIC Code:		Co Admin:	
SIC Description:		Choice of Contact:	
Approval Years:	As of Dec 2018	Phone No Admin:	
PO Box No:		Contam. Facility:	
Country:	Canada	MHSW Facility:	

Detail(s)

Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	121 C
Waste Class Desc:	Alkaline slutions - containing heavy metals
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	145 I
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	146 C
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	146 R
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	148 A
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	148 B
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	148 C
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	148 L
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	212 I
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	263 B
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	265 L
Waste Class Desc:	Graphic arts wastes
Waste Class:	312 P
Waste Class Desc:	Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				100 Parkshore Dr Brampton ON L6T 5M1	
Generator No:	ON5745765			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jul 2020			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		148 L			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		146 R			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		148 B			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		112 C			
Waste Class Desc:		Acid solutions - containing heavy metals			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		146 T			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		263 I			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		146 C			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		121 C			
Waste Class Desc:		Alkaline slutions - containing heavy metals			
Waste Class:		148 A			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		265 L			
Waste Class Desc:		Graphic arts wastes			
Waste Class:		263 B			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		261 L			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		122 C			
Waste Class Desc:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			

1	18 of 19	N/0.0	169.8 / 1.08	Canadian Blood Services 100 Parkshore Dr Brampton ON L6T 5M1	GEN
Generator No:	ON5745765			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Nov 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	

Detail(s)

Waste Class:	261 L
Waste Class Desc:	Pharmaceuticals
Waste Class:	148 L
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	263 B
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	145 I
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	148 B
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	121 C
Waste Class Desc:	Alkaline slutions - containing heavy metals
Waste Class:	265 L
Waste Class Desc:	Graphic arts wastes
Waste Class:	146 C
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	312 P
Waste Class Desc:	Pathological wastes
Waste Class:	212 L
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	261 A
Waste Class Desc:	Pharmaceuticals

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		148 A			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		146 R			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			

<u>1</u>	19 of 19	N/0.0	169.8 / 1.08	Canadian Blood Services 100 Parkshore Dr Brampton ON L6T 5M1	GEN
Generator No:	ON5745765			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Apr 2022			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	

Detail(s)

Waste Class:	148 L
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	265 L
Waste Class Desc:	GRAPHIC ART WASTES
Waste Class:	261 A
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	261 L
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	312 P
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	121 C
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	148 A
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	122 C
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	252 L
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	146 C
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	146 T
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	146 R
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	212 I
Waste Class Desc:	ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		148 B			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		148 C			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		251 L			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		112 C			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		263 I			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		145 I			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		263 B			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		212 L			
Waste Class Desc:		ALIPHATIC SOLVENTS			

2	1 of 1	ENE/0.0	169.8 / 1.13	S/W OF FINCH AVE & 407 BRAMPTON ON	WWIS
Well ID:	7234637			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	02-Jan-2015 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z199902			Contractor:	6607
Tag:				Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	PEEL
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	BRAMPTON CITY (TORONTO TWP)				
Site Info:					

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	2014/12/04
Year Completed:	2014
Depth (m):	
Latitude:	43.7373682991693
Longitude:	-79.6402121341653
Path:	

Bore Hole Information

Bore Hole ID:	1005281601	Elevation:	
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 04-Dec-2014 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Elevrc: Zone: 17 East83: 609500.00 North83: 4843602.00 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr	
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1005483136			
Layer:		1			
Plug From:		0.0			
Plug To:		21.299999237060547			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005483135			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005483128			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005483132			
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1005483133			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Water Details</u>					
Water ID:		1005483131			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005483130			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Links</u>					
Bore Hole ID:	1005281601			Tag No:	
Depth M:				Contractor:	6607
Year Completed:	2014			Path:	723\7234637.pdf
Well Completed Dt:	2014/12/04			Latitude:	43.7373682991693
Audit No:	Z199902			Longitude:	-79.6402121341653
3	1 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA INC. 102 PARKSHORE DR BRAMPTON ON L6T 5M1	SCT
Established:	1985				
Plant Size (ft²):	0				
Employment:	65				
--Details--					
Description:		SERVICE INDUSTRY MACHINERY, NOT ELSEWHERE CLASSIFIED			
SIC/NAICS Code:		3589			
3	2 of 26	WSW/0.0	169.8 / 1.13	BRITA (CANADA) INC. 102 Parkshore Dr Brampton ON L6T 5M1	SCT
Established:	1985				
Plant Size (ft²):	0				
Employment:	100				
--Details--					
Description:		Commercial and Service Industry Machinery Manufacturing			
SIC/NAICS Code:		333310			
Description:		All Other General-Purpose Machinery Manufacturing			
SIC/NAICS Code:		333990			
3	3 of 26	WSW/0.0	169.8 / 1.13	Brita (Canada) Corp. 102 Parkshore Dr Brampton ON L6T 5M1	SCT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Established:		01-JUN-85			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		All Other General-Purpose Machinery Manufacturing			
SIC/NAICS Code:		333990			
Description:		Commercial and Service Industry Machinery Manufacturing			
SIC/NAICS Code:		333310			

<u>3</u>	4 of 26	WSW/0.0	169.8 / 1.13	Brita (Canada) Inc. 102 Parkshore Drive Brampton Ontario L6T 5M1 Brampton ON	EBR
EBR Registry No:		IA03E0361		Decision Posted:	
Ministry Ref No:		3321-5JWMEL		Exception Posted:	
Notice Type:		Instrument Decision		Section:	
Notice Stage:				Act 1:	
Notice Date:		June 24, 2003		Act 2:	
Proposal Date:		March 14, 2003		Site Location Map:	
Year:		2003			
Instrument Type:		(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)			
Off Instrument Name:					
Posted By:					
Company Name:		Brita (Canada) Inc.			
Site Address:					
Location Other:					
Proponent Name:		102 Parkshore Drive, Brampton Ontario, L6T 5M1			
Proponent Address:					
Comment Period:					
URL:					

Site Location Details:

102 Parkshore Drive Brampton Ontario L6T 5M1 Brampton

<u>3</u>	5 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
Generator No:		ON2597100		Status:	
SIC Code:		3081		Co Admin:	
SIC Description:		MACHINE SHOP IND.		Choice of Contact:	
Approval Years:		00,01		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class: 113
Waste Class Desc: ACID WASTE - OTHER METALS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			

<u>3</u>	6 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON2597100			Status:	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	02,03,04,05,06,07,08			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class:	113
Waste Class Desc:	ACID WASTE - OTHER METALS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS

<u>3</u>	7 of 26	WSW/0.0	169.8 / 1.13	THE CLOROX COMPANY OF CANADA 102 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T 5M1	NPRI
NPRI ID:	10689			Org ID:	69161
Other ID:	N			Submit Date:	8/11/2004
No Other ID:				Last Modified:	5/29/2015 3:28:24 PM
Track ID:	20715			Contact ID:	202971
Report ID:	156157			Cont Type:	MED
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	RHONDA
Report Year:	2003			Cont Last Name:	TURLEY
Not-Current Rpt?:	No			Contact Position:	SANITATION AND TRAINING COORDINATOR
Yr of Last Filed Rpt:	2003			Contact Fax:	9057939008
Fac ID:	153929			Contact Ph.:	9057892461
Fac Name:	BRITA CANADA			Cont Area Code:	905
Fac Address1:	102 PARKSHORE DRIVE			Contact Tel.:	57892461
Fac Address2:	NOT AVAILABLE			Contact Ext.:	
Fac Postal Zip:	L6T 5M1			Cont Fax Area Cde:	905
Facility Lat:	43.7386			Contact Fax:	57939008
Facility Long:	-79.645			Contact Email:	RHONDA.TURLEY@CLOROX.COM
DLS (Last Filed Rpt):				Latitude:	43.7386
Facility DLS:				Longitude:	-79.645
Datum:	1983			UTM Zone:	
Facility Cmnts:	False			UTM Northing:	
URL:	http://www.brita.com/index.html			UTM Easting:	
No of Empl.:	85			Waste Streams:	True
Parent Co.:	*			No Streams:	
No Parent Co.:	1			Waste Off Sites:	False

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pollut Prev Cmnts:	False			No Off Sites:	
Stacks:	True			Shutdown:	True
No of Stacks:				No of Shutdown:	
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):	33				
NAICS 2 Description:	Manufacturing				
NAICS Code (4 digit):	3399				
NAICS 4 Description:	Other miscellaneous manufacturing				
NAICS Code (6 digit):	339990				
NAICS 6 Description:	All other miscellaneous manufacturing				

Substance Release Report

Category Type ID: 13
Category Type Desc: All Media
Category Type Desc (fr): Rejets à tous les médias
Grouping: Total All Media<1t
Trans Code:
Chem: Methyl ethyl ketone
Chem (fr): Méthyléthylcétone
Quantity: .099
Unit: tonnes
Basis of Estimate Cd:
Basis of Estimate Desc:

<u>3</u>	8 of 26	WSW/0.0	169.8 / 1.13	Brita Canada Corporation 102 Parkshore Drive Brampton Regional Municipality of Peel L6T 5M1 CITY OF BRAMPTON ON	EBR
EBR Registry No:	010-0881			Decision Posted:	
Ministry Ref No:	7341-73GPPE			Exception Posted:	
Notice Type:	Instrument Decision			Section:	
Notice Stage:				Act 1:	
Notice Date:	June 30, 2009			Act 2:	
Proposal Date:	June 25, 2007			Site Location Map:	
Year:	2007				
Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)				
Off Instrument Name:					
Posted By:					
Company Name:	Brita Canada Corporation				
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:	102 Parkshore Drive, Brampton Ontario, Canada L6T 5M1				
Comment Period:					
URL:					
Site Location Details:	102 Parkshore Drive Brampton Regional Municipality of Peel L6T 5M1 CITY OF BRAMPTON				

<u>3</u>	9 of 26	WSW/0.0	169.8 / 1.13	Brita Canada Corporation 102 Parkshore Dr Brampton ON L6T 5M1	CA
Certificate #:	1236-7SXX9T				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Application Year:		2009			
Issue Date:		6/22/2009			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

<u>3</u>	10 of 26	WSW/0.0	169.8 / 1.13	Brita (Canada) Inc. 102 Parkshore Drive Brampton ON L6T 5M1	CA
Certificate #:		6700-5NER79			
Application Year:		2003			
Issue Date:		6/23/2003			
Approval Type:		Air			
Status:		Revoked and/or Replaced			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

<u>3</u>	11 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:		ON2597100		Status:	
SIC Code:		333310		Co Admin:	
SIC Description:		Commercial and Service Industry Machinery Manufacturing		Choice of Contact:	
Approval Years:		2009		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class:	113
Waste Class Desc:	ACID WASTE - OTHER METALS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>3</u>	12 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON2597100			Status:	
SIC Code:	333310			Co Admin:	
SIC Description:	Commercial and Service Industry Machinery Manufacturing			Choice of Contact:	
Approval Years:	2010			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	113				
Waste Class Desc:	ACID WASTE - OTHER METALS				
<u>3</u>	13 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON2597100			Status:	
SIC Code:	333310			Co Admin:	
SIC Description:	Commercial and Service Industry Machinery Manufacturing			Choice of Contact:	
Approval Years:	2011			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	113				
Waste Class Desc:	ACID WASTE - OTHER METALS				
<u>3</u>	14 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON2597100			Status:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code: SIC Description: Approval Years: PO Box No: Country:	333310 Commercial and Service Industry Machinery Manufacturing 2012			Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	146 OTHER SPECIFIED INORGANICS				
Waste Class: Waste Class Desc:	212 ALIPHATIC SOLVENTS				
Waste Class: Waste Class Desc:	113 ACID WASTE - OTHER METALS				
Waste Class: Waste Class Desc:	252 WASTE OILS & LUBRICANTS				
Waste Class: Waste Class Desc:	122 ALKALINE WASTES - OTHER METALS				

<u>3</u>	15 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION/CORPORATION BRITA CANADA 102 Parkshore DR Brampton ON L6T 5M1	EASR
Approval No: Status: Date: Record Type: Link Source: Project Type: Full Address: Approval Type: SWP Area Name: PDF URL: PDF Site Location:	R-003-1441407063 REGISTERED 2014-08-22 EASR MOFA Heating System EASR-Heating System Toronto			MOE District: Municipality: Latitude: Longitude: Geometry X: Geometry Y:	Halton-Peel Brampton 43.73694444 -79.64361111

<u>3</u>	16 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:	ON2597100 333310 COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING 2013			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	113 ACID WASTE - OTHER METALS				
Waste Class: Waste Class Desc:	212 ALIPHATIC SOLVENTS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			

<u>3</u>	17 of 26	WSW/0.0	169.8 / 1.13	Brita Canada Corporation 102 Parkshore Dr Brampton ON L6T 5M1	ECA
Approval No:	9627-9QML97			MOE District:	
Approval Date:	1/27/15			City:	Brampton
Status:	Approved			Longitude:	-79.6433333333333450809732312336564064 02587890625
Record Type:				Latitude:	43.7358333333333200698689324781298637 39013671875
Link Source:				Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:					
Project Type:	Air/Noise				
Business Name:	Brita Canada Corporation				
Address:					
Full Address:	102 Parkshore Dr Brampton City, Regional Municipality of Peel L6T 5M1				
Full PDF Link:					
PDF Site Location:					

<u>3</u>	18 of 26	WSW/0.0	169.8 / 1.13	Brita (Canada) Inc. 102 Parkshore Drive Brampton ON L6T 5M1	ECA
Approval No:	6700-5NER79			MOE District:	Halton-Peel
Approval Date:	2003-06-23			City:	
Status:	Revoked and/or Replaced			Longitude:	-79.64329
Record Type:	ECA			Latitude:	43.73577
Link Source:	IDS			Geometry X:	
SWP Area Name:	Toronto			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	Brita (Canada) Inc.				
Address:	102 Parkshore Drive				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3321-5JWMEL-14.pdf				
PDF Site Location:					

<u>3</u>	19 of 26	WSW/0.0	169.8 / 1.13	Brita Canada Corporation 102 Parkshore Dr Brampton ON L6T 5M1	ECA
Approval No:	9627-9QML97			MOE District:	Halton-Peel
Approval Date:	2015-01-27			City:	
Status:	Approved			Longitude:	-79.64329
Record Type:	ECA			Latitude:	43.73577
Link Source:	IDS			Geometry X:	
SWP Area Name:	Toronto			Geometry Y:	
Approval Type:	ECA-AIR				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		AIR Brita Canada Corporation 102 Parkshore Dr https://www.accessenvironment.ene.gov.on.ca/instruments/0717-9KWPR-14.pdf			
3	20 of 26	WSW/0.0	169.8 / 1.13	Brita Canada Corporation 102 Parkshore Dr Brampton ON L6T 5M1	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		1236-7SXX9T 2009-06-22 Revoked and/or Replaced ECA IDS Toronto ECA-AIR AIR Brita Canada Corporation 102 Parkshore Dr https://www.accessenvironment.ene.gov.on.ca/instruments/7341-73GPPE-14.pdf		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Halton-Peel -79.64329 43.73577
3	21 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:		ON2597100 333310 COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING 2016 Canada		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Ivan Halbreiner CO_OFFICIAL 905-789-2488 Ext. No No
<u>Detail(s)</u>					
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		113			
Waste Class Desc:		ACID WASTE - OTHER METALS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	22 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON2597100			Status:	
SIC Code:	333310			Co Admin:	Ivan Halbreiner
SIC Description:	COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING			Choice of Contact:	CO_OFFICIAL
Approval Years:	2015			Phone No Admin:	905-789-2488 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	113				
Waste Class Desc:	ACID WASTE - OTHER METALS				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				

3	23 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON2597100			Status:	
SIC Code:	333310			Co Admin:	Ivan Halbreiner
SIC Description:	COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING			Choice of Contact:	CO_OFFICIAL
Approval Years:	2014			Phone No Admin:	905-789-2488 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	113				
Waste Class Desc:	ACID WASTE - OTHER METALS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
3	24 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON2597100			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Dec 2018			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	113 C				
Waste Class Desc:	Acid solutions - containing other metals and non-metals				
Waste Class:	213 T				
Waste Class Desc:	Petroleum distillates				
Waste Class:	251 L				
Waste Class Desc:	Waste oils/sludges (petroleum based)				
Waste Class:	252 L				
Waste Class Desc:	Waste crankcase oils and lubricants				
3	25 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON2597100			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jul 2020			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	213 T				
Waste Class Desc:	Petroleum distillates				
Waste Class:	252 L				
Waste Class Desc:	Waste crankcase oils and lubricants				
Waste Class:	251 L				
Waste Class Desc:	Waste oils/sludges (petroleum based)				
Waste Class:	212 B				
Waste Class Desc:	Aliphatic solvents and residues				
Waste Class:	113 C				
Waste Class Desc:	Acid solutions - containing other metals and non-metals				
3	26 of 26	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No:	ON2597100			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Nov 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	212 B				
Waste Class Desc:	Aliphatic solvents and residues				
Waste Class:	251 L				
Waste Class Desc:	Waste oils/sludges (petroleum based)				
Waste Class:	252 L				
Waste Class Desc:	Waste crankcase oils and lubricants				
Waste Class:	113 C				
Waste Class Desc:	Acid solutions - containing other metals and non-metals				
Waste Class:	213 T				
Waste Class Desc:	Petroleum distillates				
4	1 of 1	WSW/0.0	169.8 / 1.13	BRITA CANADA CORPORATION 102 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON2597100			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Apr 2022			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	251 L				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	113 C				
Waste Class Desc:	ACID WASTE - OTHER METALS				
Waste Class:	213 T				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	252 L				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
5	1 of 2	SW/0.0	169.8 / 1.13	102 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	22020800350			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	11-FEB-22			Search Radius (km):	.25
Date Received:	08-FEB-22			X:	-79.6434561
Previous Site Name:				Y:	43.7356404
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>5</u>	2 of 2	SW/0.0	169.8 / 1.13	102 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	22020800350			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	11-FEB-22			Search Radius (km):	.25
Date Received:	08-FEB-22			X:	-79.6434561
Previous Site Name:				Y:	43.7356404
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>6</u>	1 of 1	NE/0.0	169.8 / 1.13	ON	BORE
Borehole ID:	841402			Inclin FLG:	No
OGF ID:	215578892			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	19-MAR-1981			Municipality:	
Static Water Level:	1.1			Lot:	
Primary Water Use:				Township:	TORONTO GORE
Sec. Water Use:				Latitude DD:	43.737892
Total Depth m:	18.6			Longitude DD:	-79.640324
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	609490
Drill Method:	Solid stem auger			Northing:	4843660
Orig Ground Elev m:	171			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	167				
Concession:	CON 9 SD				
Location D:	C.N.R. SUBWAY AT FINCH AVE EXTENSION				
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	6503811			Mat Consistency:	Hard
Top Depth:	0			Material Moisture:	
Bottom Depth:	18.6			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Brown Grey Silty clay of low plasticity with sand trace of gravel Hard Occ. Seams of silty sand to sandy silt silty clay of medium plasticity stiff to hard hard **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>7</u>	1 of 1	ENE/0.0	169.8 / 1.09	ON	BORE
Borehole ID:	841403			Inclin FLG:	No
OGF ID:	215578893			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	19-MAR-1981			Municipality:	
Static Water Level:	1.0			Lot:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Primary Water Use:				Township:	TORONTO GORE
Sec. Water Use:				Latitude DD:	43.737735
Total Depth m:	18.7			Longitude DD:	-79.64003
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	609514
Drill Method:	Solid stem auger			Northing:	4843643
Orig Ground Elev m:	171			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	167				
Concession:		CON 9 SD			
Location D:		C.N.R. SUBWAY AT FINCH AVE EXTENSION			
Survey D:					
Comments:					

Borehole Geology Stratam

Geology Stratam ID:	6503812	Mat Consistency:	Very Stiff
Top Depth:	0	Material Moisture:	
Bottom Depth:	18.7	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Sand	Geologic Period:	
Material 4:	Gravel	Depositional Gen:	
Gsc Material Description:			
Stratum Description:	Brown Grey Silty clay of low plasticity with sand trace of gravel Very stiff Low to medium plasticity Very stiff Very stiff to hard Shale fragments **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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1 of 1

ENE/0.0

169.9/ 1.22

ON

BORE

Borehole ID:	841404	Inclin FLG:	No
OGF ID:	215578894	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	19-MAR-1981	Municipality:	
Static Water Level:	0.6	Lot:	
Primary Water Use:		Township:	TORONTO GORE
Sec. Water Use:		Latitude DD:	43.737543
Total Depth m:	18.7	Longitude DD:	-79.639798
Depth Ref:	Ground Surface	UTM Zone:	17
Depth Elev:		Easting:	609533
Drill Method:	Solid stem auger	Northing:	4843622
Orig Ground Elev m:	171	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Within 10 metres
DEM Ground Elev m:	168		
Concession:		CON 9 SD	
Location D:		C.N.R. SUBWAY AT FINCH AVE EXTENSION	
Survey D:			
Comments:			

Borehole Geology Stratam

Geology Stratam ID:	6503813	Mat Consistency:	Very Stiff
Top Depth:	0	Material Moisture:	
Bottom Depth:	18.7	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Sand	Geologic Period:	
Material 4:	Gravel	Depositional Gen:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Gsc Material Description:					
Stratum Description:		Brown Grey Silty clay of low plasticity with sand trace of fine gravel Very stiff to hard Low to medium plasticity Stiff to hard Hard Shale fragments **Note: Many records provided by the department have a truncated [Stratum Description] field.			

<u>9</u>	1 of 1	ENE/0.0	169.8 / 1.13	ON	BORE
Borehole ID:	841405			Inclin FLG:	No
OGF ID:	215578895			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	18-MAR-1981			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	TORONTO GORE
Sec. Water Use:				Latitude DD:	43.737369
Total Depth m:	18.6			Longitude DD:	-79.639529
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	609555
Drill Method:	Solid stem auger			Northing:	4843603
Orig Ground Elev m:	169			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	168				
Concession:	CON 9 SD				
Location D:	C.N.R. SUBWAY AT FINCH AVE EXTENSION				
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	6503814			Mat Consistency:	Very Stiff
Top Depth:	0			Material Moisture:	
Bottom Depth:	17.8			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:		Brown Grey Silty clay of low plasticity with sand trace of gravel Very stiff low to medium plasticity very stiff Occ. Seams of sandy silt Very stiff to hard **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6503815			Mat Consistency:	
Top Depth:	17.8			Material Moisture:	
Bottom Depth:	18.6			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Shale			Geologic Formation:	
Material 2:	Bedrock			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		Weathered shale bedrock **Note: Many records provided by the department have a truncated [Stratum Description] field.			

<u>10</u>	1 of 1	E/0.0	169.8 / 1.13	ON	BORE
Borehole ID:	841400			Inclin FLG:	No
OGF ID:	215578890			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	17-MAR-1981			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	TORONTO GORE
Sec. Water Use:				Latitude DD:	43.737222
Total Depth m:	19.8			Longitude DD:	-79.639284
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	609575
Drill Method:	Solid stem auger			Northing:	4843587
Orig Ground Elev m:	169			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	167				
Concession:	CON 9 SD				
Location D:	C.N.R. SUBWAY AT FINCH AVE EXTENSION				
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	6503807			Mat Consistency:	Very Stiff
Top Depth:	0			Material Moisture:	
Bottom Depth:	16.8			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Brown Grey Silty clay of low plasticity with sand trace of gravel Very stiff to hard Low to medium plasticity stiff to very stiff very stiff to hard **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Geology Stratum ID:	6503808			Mat Consistency:	
Top Depth:	16.8			Material Moisture:	
Bottom Depth:	19.8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Shale			Geologic Formation:	
Material 2:	Bedrock			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Weathered shale bedrock **Note: Many records provided by the department have a truncated [Stratum Description] field.				

<u>11</u>	1 of 1	ENE/0.0	170.0 / 1.29	ON	BORE
Borehole ID:	841406			Inclin FLG:	No
OGF ID:	215578896			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	23-MAR-1981			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	TORONTO GORE
Sec. Water Use:				Latitude DD:	43.737575
Total Depth m:	21.5			Longitude DD:	-79.6394
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	609565
Drill Method:	Hollow stem auger			Northing:	4843626
Orig Ground Elev m:	171			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	166				
Concession:	CON 9 SD				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Location D: C.N.R. SUBWAY AT FINCH AVE EXTENSION
 Survey D:
 Comments:

Borehole Geology Stratum

Geology Stratum ID: 6503817
 Top Depth: 18.9
 Bottom Depth: 21.5
 Material Color:
 Material 1: Shale
 Material 2: Bedrock
 Material 3:
 Material 4:

Mat Consistency:
 Material Moisture:
 Material Texture:
 Non Geo Mat Type:
 Geologic Formation:
 Geologic Group:
 Geologic Period:
 Depositional Gen:

Gsc Material Description:
 Stratum Description:

Weathered shale bedrock **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6503816
 Top Depth: 0
 Bottom Depth: 18.9
 Material Color: Brown
 Material 1: Clay
 Material 2: Silt
 Material 3: Sand
 Material 4: Gravel

Mat Consistency: Very Stiff
 Material Moisture:
 Material Texture:
 Non Geo Mat Type:
 Geologic Formation:
 Geologic Group:
 Geologic Period:
 Depositional Gen:

Gsc Material Description:
 Stratum Description:

Brown Grey Silty clay of low plasticity with sand trace of some gravel Low to medium plasticity Stiff to very stiff Occ. seams of sandy silt Very stiff to hard Fragments of weathered shale **Note: Many records provided by the department have a truncated [Stratum Description] field.

12 1 of 1 ENE/0.0 169.8 / 1.13 ON BORE

Borehole ID: 841407
 OGF ID: 215578897
 Status: Decommissioned
 Type: Borehole
 Use: Geotechnical/Geological Investigation
 Completion Date: 23-MAR-1981
 Static Water Level:
 Primary Water Use:
 Sec. Water Use:
 Total Depth m: 18.1
 Depth Ref: Ground Surface
 Depth Elev:
 Drill Method: Solid stem auger
 Orig Ground Elev m: 171
 Elev Reliabil Note:
 DEM Ground Elev m: 166

Inclin FLG: No
 SP Status: Initial Entry
 Surv Elev: No
 Piezometer: No
 Primary Name:
 Municipality:
 Lot:
 Township: TORONTO GORE
 Latitude DD: 43.737346
 Longitude DD: -79.63912
 UTM Zone: 17
 Easting: 609588
 Northing: 4843601
 Location Accuracy:
 Accuracy: Within 10 metres

Concession: CON 9 SD
 Location D: C.N.R. SUBWAY AT FINCH AVE EXTENSION
 Survey D:
 Comments:

Borehole Geology Stratum

Geology Stratum ID: 6503818
 Top Depth: 0
 Bottom Depth: 18.1
 Material Color:
 Material 1: Clay
 Material 2: Silt

Mat Consistency:
 Material Moisture:
 Material Texture:
 Non Geo Mat Type:
 Geologic Formation:
 Geologic Group:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Probable silty clay with sand trace of gravel Weathered shale fragments **Note: Many records provided by the department have a truncated [Stratum Description] field.				

13	1 of 1	ENE/0.5	169.8 / 1.13	ON	BORE
Borehole ID:	841401			Inclin FLG:	No
OGF ID:	215578891			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	17-MAR-1981			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	TORONTO GORE
Sec. Water Use:				Latitude DD:	43.737436
Total Depth m:	19.8			Longitude DD:	-79.639105
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	609589
Drill Method:	Solid stem auger			Northing:	4843611
Orig Ground Elev m:	170			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	167				
Concession:	CON 9 SD				
Location D:	C.N.R. SUBWAY AT FINCH AVE EXTENSION				
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	6503809			Mat Consistency:	Very Stiff
Top Depth:	0			Material Moisture:	
Bottom Depth:	18			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Brown Grey Silty clay of low plasticity with some sand and trace of gravel Very stiff to hard Low to medium plasticity Very stiff Hard Shale fragments **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Geology Stratum ID:	6503810			Mat Consistency:	
Top Depth:	18			Material Moisture:	
Bottom Depth:	19.8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Shale			Geologic Formation:	
Material 2:	Bedrock			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Weathered Shale bedrock **Note: Many records provided by the department have a truncated [Stratum Description] field.				

14	1 of 1	SSW/3.9	169.8 / 1.13	S3-E11 Vaughan ON	EHS
Order No:	20140220038			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Date:	28-FEB-14			Search Radius (km):	.3
Date Received:	20-FEB-14			X:	-79.642815
Previous Site Name:				Y:	43.73476
Lot/Building Size:					
Additional Info Ordered:					

15	1 of 1	E/12.3	169.8 / 1.13	ON	BORE
Borehole ID:	841399			Inclin FLG:	No
OGF ID:	215578889			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	17-MAY-1981			Municipality:	
Static Water Level:	1.1			Lot:	
Primary Water Use:				Township:	TORONTO GORE
Sec. Water Use:				Latitude DD:	43.737067
Total Depth m:	18.7			Longitude DD:	-79.639089
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	609591
Drill Method:	Solid stem auger			Northing:	4843570
Orig Ground Elev m:	171			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	167				
Concession:	CON 9 SD				
Location D:	C.N.R. SUBWAY AT FINCH AVE EXTENSION				
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	6503806			Mat Consistency:	Very Stiff
Top Depth:	0			Material Moisture:	
Bottom Depth:	18.7			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Brown Silty clay of low plasticity with sand and trace of gravel Very stiff to hard Low to medium plasticity very stiff Very stiff to hard Weathered shale fragments **Note: Many records provided by the department have a truncated [Stratum Description] field.				

16	1 of 1	ESE/19.6	169.8 / 1.13	PIPELINE HIT - 1/2" 7709 WILDFERN DRIVE,,MISSISSAUGA,ON,L4T 3P8,CA ON	PINC
Incident Id:				Pipe Material:	
Incident No:	1153160			Fuel Category:	
Incident Reported Dt:	7/26/2013			Health Impact:	
Type:	FS-Pipeline Incident			Environment Impact:	
Status Code:				Property Damage:	
Tank Status:	Not Investigated			Service Interrupt:	
Task No:				Enforce Policy:	
Spills Action Centre:				Public Relation:	
Fuel Type:				Pipeline System:	
Fuel Occurrence Tp:				PSIG:	
Date of Occurrence:				Attribute Category:	
Occurrence Start Dt:				Regulator Location:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth: Customer Acct Name: Incident Address: Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:		Method Details: PIPELINE HIT - 1/2" 7709 WILDFERN DRIVE,,MISSISSAUGA,ON,L4T 3P8,CA			

17	1 of 1	W/40.2	169.8 / 1.13	CAN ART ALUMINUM EXTRUSION LP 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
Generator No:	ON0921401			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Apr 2022			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	252 L				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	253 L				
Waste Class Desc:	EMULSIFIED OILS				
Waste Class:	251 L				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	213 I				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	122 C				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				

18	1 of 33	W/45.2	170.4 / 1.71	Can Art Aluminum Extrusion Inc 85 Parkshore Dr Brampton ON L6T 5M1	SCT
Established:	01-AUG-89				
Plant Size (ft²):	220000				
Employment:					
<u>--Details--</u>					
Description:	Aluminum Rolling, Drawing, Extruding and Alloying				
SIC/NAICS Code:	331317				

18	2 of 33	W/45.2	170.4 / 1.71	Can Art Aluminum Extrusion Inc. 85 Parkshore Dr Brampton ON L6T 5M1	SCT
Established:	1989				
Plant Size (ft²):	100000				
Employment:	100				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	3 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
Generator No:	ON0921401			Status:	
SIC Code:	2961			Co Admin:	
SIC Description:	ALUMINUM ROLL., ETC.			Choice of Contact:	
Approval Years:	95,96,97,98,99,00,01,02,03,04,05,06,07,08			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	253				
Waste Class Desc:	EMULSIFIED OILS				
18	4 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
NPRI ID:	10650			Org ID:	40614
Other ID:	N			Submit Date:	8/10/2004
No Other ID:				Last Modified:	5/29/2015 3:28:24 PM
Track ID:	20641			Contact ID:	147868
Report ID:	156117			Cont Type:	MED
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	EVAN
Report Year:	2003			Cont Last Name:	ENG
Not-Current Rpt?:	No			Contact Position:	QUALITY ASSURANCE MANAGER
Yr of Last Filed Rpt:	2014			Contact Fax:	9057919151
Fac ID:	153651			Contact Ph.:	9057911464
Fac Name:	NOT AVAILABLE			Cont Area Code:	905
Fac Address1:	85 PARKSHORE DRIVE			Contact Tel.:	57911464
Fac Address2:	NOT AVAILABLE			Contact Ext.:	276
Fac Postal Zip:	L6T5M1			Cont Fax Area Cde:	905
Facility Lat:	43.7367			Contact Fax:	57919151
Facility Long:	-79.6449			Contact Email:	EVAN@CANART.COM
DLS (Last Filed Rpt):				Latitude:	43.7367
Facility DLS:				Longitude:	-79.6449
Datum:	1983			UTM Zone:	
Facility Cmnts:	False			UTM Northing:	
URL:	www.canart.com			UTM Easting:	
No of Empl.:	75			Waste Streams:	True¿
Parent Co.:	*			No Streams:	
No Parent Co.:	1			Waste Off Sites:	False
Pollut Prev Cmnts:	False			No Off Sites:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
	True			Shutdown: No of Shutdown:	True
Stacks: No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 33 NAICS 2 Description: Manufacturing NAICS Code (4 digit): 3313 NAICS 4 Description: Alumina and aluminum production and processing NAICS Code (6 digit): 331317 NAICS 6 Description: Aluminum rolling, drawing, extruding and alloying					
18	5 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
NPRI ID: 10650 Other ID: N No Other ID: Track ID: 30818 Report ID: 91224 Report Type: NPRI Rpt Type ID: 1 Report Year: 2004 Not-Current Rpt?: No Yr of Last Filed Rpt: 2014 Fac ID: 225175 Fac Name: BRAMPTON Fac Address1: 85 PARKSHORE DRIVE Fac Address2: NOT AVAILABLE Fac Postal Zip: L6T5M1 Facility Lat: 43.7367 Facility Long: -79.6449 DLS (Last Filed Rpt): Facility DLS: Datum: 1983 Facility Cmnts: True URL: www.canart.com No of Empl.: 100 Parent Co.: N No Parent Co.: Pollut Prev Cmnts: True Stacks: No No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 33 NAICS 2 Description: Manufacturing NAICS Code (4 digit): 3313 NAICS 4 Description: Alumina and aluminum production and processing NAICS Code (6 digit): 331317 NAICS 6 Description: Aluminum rolling, drawing, extruding and alloying					
Org ID: 40613 Submit Date: 6/29/2005 Last Modified: 5/29/2015 3:28:24 PM Contact ID: Cont Type: Contact Title: Cont First Name: Cont Last Name: Contact Position: Contact Fax: Contact Ph.: Cont Area Code: Contact Tel.: Contact Ext.: Cont Fax Area Cde: Contact Fax: Contact Email: Latitude: 43.7367 Longitude: -79.6449 UTM Zone: UTM Northing: UTM Easting: Waste Streams: False No Streams: Waste Off Sites: False No Off Sites: Shutdown: No of Shutdown:					

18	6 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
NPRI ID: 10650 Other ID: N No Other ID: Track ID: 41199					
Org ID: 40613 Submit Date: 6/9/2006 Last Modified: 5/29/2015 3:28:24 PM Contact ID:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report ID:	101571			Cont Type:	
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	
Report Year:	2005			Cont Last Name:	
Not-Current Rpt?:	No			Contact Position:	
Yr of Last Filed Rpt:	2014			Contact Fax:	
Fac ID:	225175			Contact Ph.:	
Fac Name:	BRAMPTON			Cont Area Code:	
Fac Address1:	85 PARKSHORE DRIVE			Contact Tel.:	
Fac Address2:	NOT AVAILABLE			Contact Ext.:	
Fac Postal Zip:	L6T5M1			Cont Fax Area Cde:	
Facility Lat:	43.7367			Contact Fax:	
Facility Long:	-79.6449			Contact Email:	
DLS (Last Filed Rpt):				Latitude:	43.7367
Facility DLS:				Longitude:	-79.6449
Datum:	1983			UTM Zone:	
Facility Cmnts:	False			UTM Northing:	
URL:	www.canart.com			UTM Easting:	
No of Empl.:	100			Waste Streams:	False
Parent Co.:	N			No Streams:	
No Parent Co.:				Waste Off Sites:	False
Pollut Prev Cmnts:	False			No Off Sites:	
Stacks:	False			Shutdown:	
No of Stacks:				No of Shutdown:	
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):	33				
NAICS 2 Description:	Manufacturing				
NAICS Code (4 digit):	3313				
NAICS 4 Description:	Alumina and aluminum production and processing				
NAICS Code (6 digit):	331317				
NAICS 6 Description:	Aluminum rolling, drawing, extruding and alloying				

18	7 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
NPRI ID:	10650			Org ID:	40613
Other ID:	N			Submit Date:	5/24/2007
No Other ID:				Last Modified:	5/29/2015 3:28:24 PM
Track ID:	44294			Contact ID:	
Report ID:	106800			Cont Type:	
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	
Report Year:	2006			Cont Last Name:	
Not-Current Rpt?:	No			Contact Position:	
Yr of Last Filed Rpt:	2014			Contact Fax:	
Fac ID:	225175			Contact Ph.:	
Fac Name:	BRAMPTON			Cont Area Code:	
Fac Address1:	85 PARKSHORE DRIVE			Contact Tel.:	
Fac Address2:	NOT AVAILABLE			Contact Ext.:	
Fac Postal Zip:	L6T5M1			Cont Fax Area Cde:	
Facility Lat:	43.7367			Contact Fax:	
Facility Long:	-79.6449			Contact Email:	
DLS (Last Filed Rpt):				Latitude:	43.7367
Facility DLS:				Longitude:	-79.6449
Datum:	1983			UTM Zone:	
Facility Cmnts:	False			UTM Northing:	
URL:	www.canart.com			UTM Easting:	
No of Empl.:	95			Waste Streams:	True
Parent Co.:	N			No Streams:	
No Parent Co.:				Waste Off Sites:	False
Pollut Prev Cmnts:	False			No Off Sites:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
	True			Shutdown: No of Shutdown:	
	No of Stacks:				
	Canadian SIC Code (2 digit):				
	Canadian SIC Code:				
	SIC Code Description:				
	American SIC Code:				
	NAICS Code (2 digit):	33			
	NAICS 2 Description:	Manufacturing			
	NAICS Code (4 digit):	3313			
	NAICS 4 Description:	Alumina and aluminum production and processing			
	NAICS Code (6 digit):	331317			
	NAICS 6 Description:	Aluminum rolling, drawing, extruding and alloying			
18	8 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
	NPRI ID:	10650		Org ID:	40613
	Other ID:	N		Submit Date:	5/27/2008
	No Other ID:			Last Modified:	5/29/2015 3:28:24 PM
	Track ID:	54252		Contact ID:	
	Report ID:	118481		Cont Type:	
	Report Type:	NPRI		Contact Title:	
	Rpt Type ID:	1		Cont First Name:	
	Report Year:	2007		Cont Last Name:	
	Not-Current Rpt?:	No		Contact Position:	
	Yr of Last Filed Rpt:	2014		Contact Fax:	
	Fac ID:	225175		Contact Ph.:	
	Fac Name:	BRAMPTON		Cont Area Code:	
	Fac Address1:	85 PARKSHORE DRIVE		Contact Tel.:	
	Fac Address2:	NOT AVAILABLE		Contact Ext.:	
	Fac Postal Zip:	L6T5M1		Cont Fax Area Cde:	
	Facility Lat:	43.7367		Contact Fax:	
	Facility Long:	-79.6449		Contact Email:	
	DLS (Last Filed Rpt):			Latitude:	43.7367
	Facility DLS:			Longitude:	-79.6449
	Datum:	1983		UTM Zone:	
	Facility Cmnts:	False		UTM Northing:	
	URL:	www.canart.com		UTM Easting:	
	No of Empl.:	95		Waste Streams:	True _z
	Parent Co.:	N		No Streams:	
	No Parent Co.:			Waste Off Sites:	True _z
	Pollut Prev Cmnts:	False		No Off Sites:	
	Stacks:	True		Shutdown:	
	No of Stacks:			No of Shutdown:	
	Canadian SIC Code (2 digit):				
	Canadian SIC Code:				
	SIC Code Description:				
	American SIC Code:				
	NAICS Code (2 digit):	33			
	NAICS 2 Description:	Manufacturing			
	NAICS Code (4 digit):	3313			
	NAICS 4 Description:	Alumina and aluminum production and processing			
	NAICS Code (6 digit):	331317			
	NAICS 6 Description:	Aluminum rolling, drawing, extruding and alloying			

18	9 of 33	W/45.2	170.4 / 1.71	Can Art Aluminum Extrusion Inc. 85 Parkshore Drive Brampton Regional Municipality of Peel L6T 5M1 CITY OF BRAMPTON ON	EBR
	EBR Registry No:	010-6197		Decision Posted:	
	Ministry Ref No:	3600-7PYMEL		Exception Posted:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Notice Type:	Instrument Decision			Section:	
Notice Stage:				Act 1:	
Notice Date:	October 02, 2015			Act 2:	
Proposal Date:	March 18, 2009			Site Location Map:	
Year:	2009				
Instrument Type:	(EPA Part II.1-air) - Environmental Compliance Approval (project type: air)				
Off Instrument Name:					
Posted By:					
Company Name:	Can Art Aluminum Extrusion Inc.				
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:	85 Parkshore Drive, Brampton Ontario, Canada L6T 5M1				
Comment Period:					
URL:					

Site Location Details:

85 Parkshore Drive Brampton Regional Municipality of Peel L6T 5M1 CITY OF BRAMPTON

18	10 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
NPRI ID:	10650			Org ID:	40613
Other ID:	N			Submit Date:	5/25/2009
No Other ID:				Last Modified:	5/29/2015 3:28:24 PM
Track ID:	63825			Contact ID:	
Report ID:	127657			Cont Type:	
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	
Report Year:	2008			Cont Last Name:	
Not-Current Rpt?:	No			Contact Position:	
Yr of Last Filed Rpt:	2014			Contact Fax:	
Fac ID:	225175			Contact Ph.:	
Fac Name:	BRAMPTON			Cont Area Code:	
Fac Address1:	85 PARKSHORE DRIVE			Contact Tel.:	
Fac Address2:	NOT AVAILABLE			Contact Ext.:	
Fac Postal Zip:	L6T5M1			Cont Fax Area Cde:	
Facility Lat:	43.7367			Contact Fax:	
Facility Long:	-79.6449			Contact Email:	
DLS (Last Filed Rpt):				Latitude:	43.7367
Facility DLS:				Longitude:	-79.6449
Datum:	1983			UTM Zone:	
Facility Cmnts:	No			UTM Northing:	
URL:	www.canart.com			UTM Easting:	
No of Empl.:	95			Waste Streams:	No
Parent Co.:	N			No Streams:	
No Parent Co.:				Waste Off Sites:	No
Pollut Prev Cmnts:	No			No Off Sites:	
Stacks:	No			Shutdown:	No
No of Stacks:				No of Shutdown:	
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):	33				
NAICS 2 Description:	Manufacturing				
NAICS Code (4 digit):	3313				
NAICS 4 Description:	Alumina and aluminum production and processing				
NAICS Code (6 digit):	331317				
NAICS 6 Description:	Aluminum rolling, drawing, extruding and alloying				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	11 of 33	W/45.2	170.4 / 1.71	Can Art Aluminum Extrusion Inc. 85 Parkshore Dr Brampton ON L6T 5M1	CA
Certificate #: 0897-6YMNKR Application Year: 2007 Issue Date: 2/22/2007 Approval Type: Air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
18	12 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
NPRI ID: 10650 Other ID: N No Other ID: Track ID: 88150 Report ID: 142215 Report Type: NPRI Rpt Type ID: 1 Report Year: 2009 Not-Current Rpt?: No Yr of Last Filed Rpt: 2014 Fac ID: 225175 Fac Name: BRAMPTON Fac Address1: 85 PARKSHORE DRIVE Fac Address2: NOT AVAILABLE Fac Postal Zip: L6T5M1 Facility Lat: 43.7367 Facility Long: -79.6449 DLS (Last Filed Rpt): Facility DLS: Datum: 1983 Facility Cmnts: No URL: www.canart.com No of Empl.: 100 Parent Co.: N No Parent Co.: Pollut Prev Cmnts: No Stacks: No No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 33 NAICS 2 Description: Manufacturing NAICS Code (4 digit): 3313 NAICS 4 Description: Alumina and aluminum production and processing NAICS Code (6 digit): 331317 NAICS 6 Description: Aluminum rolling, drawing, extruding and alloying					
Org ID: 40613 Submit Date: 5/26/2010 Last Modified: 5/29/2015 3:28:24 PM Contact ID: Cont Type: Contact Title: Cont First Name: Cont Last Name: Contact Position: Contact Fax: Contact Ph.: Cont Area Code: Contact Tel.: Contact Ext.: Cont Fax Area Cde: Contact Fax: Contact Email: Latitude: 43.7367 Longitude: -79.6449 UTM Zone: UTM Northing: UTM Easting: Waste Streams: No No Streams: Waste Off Sites: No No Off Sites: Shutdown: No No of Shutdown:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB																																																																																																																																																								
18	13 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI																																																																																																																																																								
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<u>Substance Release Report</u>																																																																																																																																																													
<table border="0"> <tr> <td>Category Type ID:</td> <td>13</td> </tr> <tr> <td>Category Type Desc:</td> <td>All Media</td> </tr> <tr> <td>Category Type Desc (fr):</td> <td>Rejets à tous les médias</td> </tr> <tr> <td>Grouping:</td> <td>Total All Media<1t</td> </tr> <tr> <td>Trans Code:</td> <td></td> </tr> <tr> <td>Chem:</td> <td>Aluminum (fume or dust)</td> </tr> <tr> <td>Chem (fr):</td> <td>Aluminium (fumée ou poussière)</td> </tr> <tr> <td>Quantity:</td> <td>0</td> </tr> <tr> <td>Unit:</td> <td>tonnes</td> </tr> <tr> <td>Basis of Estimate Cd:</td> <td></td> </tr> <tr> <td>Basis of Estimate Desc:</td> <td></td> </tr> </table>						Category Type ID:	13	Category Type Desc:	All Media	Category Type Desc (fr):	Rejets à tous les médias	Grouping:	Total All Media<1t	Trans Code:		Chem:	Aluminum (fume or dust)	Chem (fr):	Aluminium (fumée ou poussière)	Quantity:	0	Unit:	tonnes	Basis of Estimate Cd:		Basis of Estimate Desc:																																																																																																																																			
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18	14 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN												
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Generator No:	ON0921401	Status:															
SIC Code:	331317	Co Admin:															
SIC Description:	Aluminum Rolling Drawing Extruding and	Choice of Contact:															

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years: PO Box No: Country:	Alloying 2009			Phone No Admin: Contam. Facility: MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	122 ALKALINE WASTES - OTHER METALS				
Waste Class: Waste Class Desc:	213 PETROLEUM DISTILLATES				
Waste Class: Waste Class Desc:	251 OIL SKIMMINGS & SLUDGES				
Waste Class: Waste Class Desc:	252 WASTE OILS & LUBRICANTS				
Waste Class: Waste Class Desc:	253 EMULSIFIED OILS				

<u>18</u>	15 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
NPRI ID:	10650			Org ID:	101987
Other ID:				Submit Date:	6/29/2012
No Other ID:				Last Modified:	5/29/2015 3:28:24 PM
Track ID:	103070			Contact ID:	231538
Report ID:	8279			Cont Type:	MED
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	
Report Year:	2011			Cont Last Name:	
Not-Current Rpt?:	No			Contact Position:	
Yr of Last Filed Rpt:	2014			Contact Fax:	
Fac ID:	225175			Contact Ph.:	
Fac Name:	BRAMPTON			Cont Area Code:	
Fac Address1:	85 PARKSHORE DRIVE			Contact Tel.:	
Fac Address2:	NOT AVAILABLE			Contact Ext.:	
Fac Postal Zip:	L6T5M1			Cont Fax Area Cde:	
Facility Lat:	43.7367			Contact Fax:	
Facility Long:	-79.6449			Contact Email:	
DLS (Last Filed Rpt):				Latitude:	43.7367
Facility DLS:				Longitude:	-79.6449
Datum:	1983			UTM Zone:	
Facility Cmnts:				UTM Northing:	
URL:				UTM Easting:	
No of Empl.:	75			Waste Streams:	
Parent Co.:				No Streams:	
No Parent Co.:				Waste Off Sites:	
Pollut Prev Cmnts:				No Off Sites:	
Stacks:				Shutdown:	
No of Stacks:				No of Shutdown:	
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):	33				
NAICS 2 Description:	Manufacturing				
NAICS Code (4 digit):	3313				
NAICS 4 Description:	Alumina and aluminum production and processing				
NAICS Code (6 digit):	331317				
NAICS 6 Description:	Aluminum rolling, drawing, extruding and alloying				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	16 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
Generator No:	ON0921401			Status:	
SIC Code:	331317			Co Admin:	
SIC Description:	Aluminum Rolling Drawing Extruding and Alloying			Choice of Contact:	
Approval Years:	2010			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	253				
Waste Class Desc:	EMULSIFIED OILS				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
18	17 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
Generator No:	ON0921401			Status:	
SIC Code:	331317			Co Admin:	
SIC Description:	Aluminum Rolling Drawing Extruding and Alloying			Choice of Contact:	
Approval Years:	2011			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	253				
Waste Class Desc:	EMULSIFIED OILS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
18	18 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No:	ON0921401			Status:	
SIC Code:	331317			Co Admin:	
SIC Description:	Aluminum Rolling Drawing Extruding and Alloying			Choice of Contact:	
Approval Years:	2012			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	253				
Waste Class Desc:	EMULSIFIED OILS				
18	19 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
NPRI ID:	10650			Org ID:	101987
Other ID:				Submit Date:	5/31/2013
No Other ID:				Last Modified:	5/29/2015 3:28:24 PM
Track ID:	110444			Contact ID:	231538
Report ID:	22123			Cont Type:	MED
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	
Report Year:	2012			Cont Last Name:	
Not-Current Rpt?:	No			Contact Position:	
Yr of Last Filed Rpt:	2014			Contact Fax:	
Fac ID:	225175			Contact Ph.:	
Fac Name:	BRAMPTON			Cont Area Code:	
Fac Address1:	85 PARKSHORE DRIVE			Contact Tel.:	
Fac Address2:	NOT AVAILABLE			Contact Ext.:	
Fac Postal Zip:	L6T5M1			Cont Fax Area Cde:	
Facility Lat:	43.7367			Contact Fax:	
Facility Long:	-79.6449			Contact Email:	
DLS (Last Filed Rpt):				Latitude:	43.7367
Facility DLS:				Longitude:	-79.6449
Datum:	1983			UTM Zone:	
Facility Cmnts:				UTM Northing:	
URL:				UTM Easting:	
No of Empl.:	75			Waste Streams:	
Parent Co.:				No Streams:	
No Parent Co.:				Waste Off Sites:	
Pollut Prev Cmnts:				No Off Sites:	
Stacks:				Shutdown:	
No of Stacks:				No of Shutdown:	
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):	33				
NAICS 2 Description:	Manufacturing				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NAICS Code (4 digit):		3313			
NAICS 4 Description:		Alumina and aluminum production and processing			
NAICS Code (6 digit):		331317			
NAICS 6 Description:		Aluminum rolling, drawing, extruding and alloying			

18	20 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE BRAMPTON ON	GEN
Generator No:	ON0921401			Status:	
SIC Code:	331317			Co Admin:	
SIC Description:	ALUMINUM ROLLING, DRAWING, EXTRUDING AND ALLOYING			Choice of Contact:	
Approval Years:	2013			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	253
Waste Class Desc:	EMULSIFIED OILS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS

18	21 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
NPRI ID:	10650			Org ID:	101987
Other ID:				Submit Date:	6/5/2014
No Other ID:				Last Modified:	5/29/2015 3:28:24 PM
Track ID:	122999			Contact ID:	231538
Report ID:	41290			Cont Type:	MED
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	
Report Year:	2013			Cont Last Name:	
Not-Current Rpt?:	No			Contact Position:	
Yr of Last Filed Rpt:	2014			Contact Fax:	
Fac ID:	225175			Contact Ph.:	
Fac Name:	BRAMPTON			Cont Area Code:	
Fac Address1:	85 PARKSHORE DRIVE			Contact Tel.:	
Fac Address2:	NOT AVAILABLE			Contact Ext.:	
Fac Postal Zip:	L6T5M1			Cont Fax Area Cde:	
Facility Lat:	43.7367			Contact Fax:	
Facility Long:	-79.6449			Contact Email:	
DLS (Last Filed Rpt):				Latitude:	43.7367
Facility DLS:				Longitude:	-79.6449
Datum:	1983			UTM Zone:	
Facility Cmnts:				UTM Northing:	
URL:				UTM Easting:	
No of Empl.:	100			Waste Streams:	
Parent Co.:				No Streams:	
No Parent Co.:				Waste Off Sites:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pollut Prev Cmnts: Stacks: No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 33 NAICS 2 Description: Manufacturing NAICS Code (4 digit): 3313 NAICS 4 Description: Alumina and aluminum production and processing NAICS Code (6 digit): 331317 NAICS 6 Description: Aluminum rolling, drawing, extruding and alloying				No Off Sites: Shutdown: No of Shutdown:	
18	22 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
NPRI ID: 10650 Other ID: No Other ID: Track ID: 130418 Report ID: 56356 Report Type: NPRI Rpt Type ID: 1 Report Year: 2014 Not-Current Rpt?: No Yr of Last Filed Rpt: 2014 Fac ID: 225175 Fac Name: BRAMPTON Fac Address1: 85 PARKSHORE DRIVE Fac Address2: NOT AVAILABLE Fac Postal Zip: L6T5M1 Facility Lat: 43.7367 Facility Long: -79.6449 DLS (Last Filed Rpt): Facility DLS: Datum: 1983 Facility Cmnts: URL: No of Empl.: 100 Parent Co.: No Parent Co.: Pollut Prev Cmnts: Stacks: No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 33 NAICS 2 Description: Manufacturing NAICS Code (4 digit): 3313 NAICS 4 Description: Alumina and aluminum production and processing NAICS Code (6 digit): 331317 NAICS 6 Description: Aluminum rolling, drawing, extruding and alloying				Org ID: 101987 Submit Date: 5/29/2015 Last Modified: 6/10/2015 10:59:04 AM Contact ID: Cont Type: Contact Title: Cont First Name: Cont Last Name: Contact Position: Contact Fax: Contact Ph.: Cont Area Code: Contact Tel.: Contact Ext.: Cont Fax Area Cde: Contact Fax: Contact Email: Latitude: 43.7367 Longitude: -79.6449 UTM Zone: UTM Northing: UTM Easting: Waste Streams: No Streams: Waste Off Sites: No Off Sites: Shutdown: No of Shutdown:	

18	23 of 33	W/45.2	170.4 / 1.71	Can Art Aluminum Extrusion Inc. 85 Parkshore Dr Brampton ON L6T 5M1	ECA
Approval No: 0897-6YMNKR Approval Date: 2007-02-22 Status: Approved				MOE District: Halton-Peel City: Longitude: -79.644646	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Record Type:	ECA			Latitude:	43.736618
Link Source:	IDS			Geometry X:	
SWP Area Name:	Toronto			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	Can Art Aluminum Extrusion Inc.				
Address:	85 Parkshore Dr				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1159-6UFSGX-14.pdf				
PDF Site Location:					

18	24 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
Generator No:	ON0921401			Status:	
SIC Code:	331317			Co Admin:	
SIC Description:	ALUMINUM ROLLING, DRAWING, EXTRUDING AND ALLOYING			Choice of Contact:	CO_OFFICIAL
Approval Years:	2015			Phone No Admin:	No
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No

Detail(s)

Waste Class:	253
Waste Class Desc:	EMULSIFIED OILS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES

18	25 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
Generator No:	ON0921401			Status:	
SIC Code:	331317			Co Admin:	
SIC Description:	ALUMINUM ROLLING, DRAWING, EXTRUDING AND ALLOYING			Choice of Contact:	CO_OFFICIAL
Approval Years:	2014			Phone No Admin:	No
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	253
Waste Class Desc:	EMULSIFIED OILS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			

18	26 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION LP 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
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Generator No:	ON0921401	Status:	Registered
SIC Code:		Co Admin:	
SIC Description:		Choice of Contact:	
Approval Years:	As of Dec 2018	Phone No Admin:	
PO Box No:		Contam. Facility:	
Country:	Canada	MHSW Facility:	

Detail(s)

Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	213 I
Waste Class Desc:	Petroleum distillates
Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	253 L
Waste Class Desc:	Emulsified oils

18	27 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION INC. 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
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Generator No:	ON0921401	Status:	
SIC Code:	331317	Co Admin:	
SIC Description:	ALUMINUM ROLLING, DRAWING, EXTRUDING AND ALLOYING	Choice of Contact:	CO_OFFICIAL
Approval Years:	2016	Phone No Admin:	
PO Box No:		Contam. Facility:	No
Country:	Canada	MHSW Facility:	No

Detail(s)

Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	253
Waste Class Desc:	EMULSIFIED OILS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	28 of 33	W/45.2	170.4 / 1.71	Can Art Aluminum Extrusion Inc. 85 PARKSHORE DRIVE NOT AVAILABLE BRAMPTON ON L6T5M1	NPRI
NPRI ID:		10650	Org ID: 105609		
Other ID:			Submit Date: 6/29/2016		
No Other ID:			Last Modified: 11/18/2016 8:28:05 AM		
Track ID:		141465	Contact ID:		
Report ID:		76892	Cont Type:		
Report Type:		NPRI	Contact Title:		
Rpt Type ID:		1	Cont First Name:		
Report Year:		2015	Cont Last Name:		
Not-Current Rpt?:		No	Contact Position:		
Yr of Last Filed Rpt:		2014	Contact Fax:		
Fac ID:		225175	Contact Ph.:		
Fac Name:		BRAMPTON	Cont Area Code:		
Fac Address1:		85 PARKSHORE DRIVE	Contact Tel.:		
Fac Address2:		NOT AVAILABLE	Contact Ext.:		
Fac Postal Zip:		L6T5M1	Cont Fax Area Cde:		
Facility Lat:		43.7367	Contact Fax:		
Facility Long:		-79.6449	Contact Email:		
DLS (Last Filed Rpt):			Latitude: 43.7367		
Facility DLS:			Longitude: -79.6449		
Datum:		1983	UTM Zone:		
Facility Cmnts:			UTM Northing:		
URL:			UTM Easting:		
No of Empl.:		100	Waste Streams:		
Parent Co.:			No Streams:		
No Parent Co.:			Waste Off Sites:		
Pollut Prev Cmnts:			No Off Sites:		
Stacks:			Shutdown:		
No of Stacks:			No of Shutdown:		
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):		33			
NAICS 2 Description:		Manufacturing			
NAICS Code (4 digit):		3313			
NAICS 4 Description:		Alumina and aluminum production and processing			
NAICS Code (6 digit):		331317			
NAICS 6 Description:		Aluminum rolling, drawing, extruding and alloying			

18	29 of 33	W/45.2	170.4 / 1.71	85 Parkshore Drive Brampton ON	EHS
Order No:		20161014020	Nearest Intersection:		
Status:		C	Municipality:		
Report Type:		Custom Report	Client Prov/State:		ON
Report Date:		20-OCT-16	Search Radius (km):		.25
Date Received:		14-OCT-16	X:		-79.645124
Previous Site Name:			Y:		43.736395
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans			

18	30 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION LP 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
Generator No:		ON0921401	Status:		Registered
SIC Code:			Co Admin:		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Description: Approval Years: As of Jul 2020 PO Box No: Country: Canada				Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	
Detail(s)					
Waste Class:		253 L			
Waste Class Desc:		Emulsified oils			
Waste Class:		213 I			
Waste Class Desc:		Petroleum distillates			
Waste Class:		122 C			
Waste Class Desc:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		251 L			
Waste Class Desc:		Waste oils/sludges (petroleum based)			

18	31 of 33	W/45.2	170.4 / 1.71	10007986 Canada Inc., as general partner for and on behalf of Can Art Aluminum Extrusion Limited Partnership 85 Parkshore Drive Brampton, ON L6T 5M1 Canada ON	EBR
EBR Registry No: 019-2334 Ministry Ref No: 2276-BRCPC7 Notice Type: Instrument Notice Stage: Decision Notice Date: Proposal Date: September 3, 2020 Year: 2020 Instrument Type: Environmental Compliance Approval (air) Off Instrument Name: Environmental Compliance Approval (air) (EPA s.9) Posted By: Ministry of the Environment, Conservation and Parks Company Name: Site Address: 85 Parkshore Drive Brampton, ON L6T 5M1 Canada Location Other: Proponent Name: 10007986 Canada Inc., as general partner for and on behalf of Can Art Aluminum Extrusion Limited Partnership Proponent Address: 10007986 Canada Inc., as general partner for and on behalf of Can Art Aluminum Extrusion Limited Partnership 85 Parkshore Drive Brampton, ON L6T 5M1 Canada Comment Period: September 3, 2020 - October 18, 2020 (45 days) Closed URL: https://ero.ontario.ca/notice/019-2334		Decision Posted: July 5, 2021 Exception Posted: Section: Part II.1 (20.3 or 20.5) Act 1: Environmental Protection Act, R.S.O. 1990 Act 2: Environmental Protection Act Site Location Map: 43.737028,-79.644739			
Site Location Details:					

18	32 of 33	W/45.2	170.4 / 1.71	CAN ART ALUMINUM EXTRUSION LP 85 PARKSHORE DRIVE BRAMPTON ON L6T 5M1	GEN
Generator No: ON0921401 SIC Code: SIC Description: Approval Years: As of Nov 2021 PO Box No: Country: Canada		Status: Registered Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:			

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		253 L			
Waste Class Desc:		Emulsified oils			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		251 L			
Waste Class Desc:		Waste oils/sludges (petroleum based)			
Waste Class:		122 C			
Waste Class Desc:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class:		213 I			
Waste Class Desc:		Petroleum distillates			

18	33 of 33	W/45.2	170.4 / 1.71	10007986 Canada Inc., as general partner for and on behalf of Can Art Aluminum Extrusion Limited Partnership 85 Parkshore Dr Brampton ON L6T 5M1	ECA
Approval No:	6302-C2VREL			MOE District:	Halton-Peel
Approval Date:	2021-06-30			City:	
Status:	Approved			Longitude:	-79.64464
Record Type:	ECA			Latitude:	43.736618
Link Source:	IDS			Geometry X:	-8866000.7692
SWP Area Name:	Toronto			Geometry Y:	5424773.270300003
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	10007986 Canada Inc., as general partner for and on behalf of Can Art Aluminum Extrusion Limited Partnership				
Address:	85 Parkshore Dr				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/2276-BRCPC7-13.pdf				
PDF Site Location:					

19	1 of 1	E/50.1	169.8 / 1.13	ON	BORE
Borehole ID:	841398			Inclin FLG:	No
OGF ID:	215578888			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	16-MAR-1981			Municipality:	
Static Water Level:	0.7			Lot:	
Primary Water Use:				Township:	TORONTO GORE
Sec. Water Use:				Latitude DD:	43.736855
Total Depth m:	15.7			Longitude DD:	-79.638721
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	609621
Drill Method:	Solid stem auger			Northing:	4843547
Orig Ground Elev m:	170			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	167				
Concession:	CON 9 SD				
Location D:	C.N.R. SUBWAY AT FINCH AVE EXTENSION				
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID: 6503805 **Mat Consistency:** Very Stiff

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Top Depth:	0			Material Moisture:	
Bottom Depth:	15.7			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Silty clay of low plasticity with sand and trace of gravel Very stiff to hard Brown Grey Occ. Sandy silt seams Low to medium plasticity Stiff to very stiff hard **Note: Many records provided by the department have a truncated [Stratum Description] field.				

20	1 of 1	WSW/53.3	169.8 / 1.13	MEARS CANADACORP. / MEARS 170 Parkshore dr Brampton ON L6T5M1	GEN
Generator No:	ON7697603			Status:	
SIC Code:	237120			Co Admin:	Kali Purefoy
SIC Description:	OIL AND GAS PIPELINE AND RELATED STRUCTURES CONSTRUCTION			Choice of Contact:	CO_OFFICIAL
Approval Years:	2015			Phone No Admin:	847-644-3065 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				

21	1 of 1	S/70.4	169.8 / 1.13	ZENAN INC. 7795 WILDFERN DR MISSISSAUGA ON L4T 3P8	SCT
Established:	1993				
Plant Size (ft²):	5000				
Employment:	7				
<u>--Details--</u>					
Description:	Commercial Screen Printing				
SIC/NAICS Code:	323113				
Description:	Digital Printing				
SIC/NAICS Code:	323115				
Description:	Sign Manufacturing				
SIC/NAICS Code:	339950				
Description:	All Other Miscellaneous Manufacturing				
SIC/NAICS Code:	339990				

22	1 of 8	SW/77.0	169.8 / 1.13	Conair Cuisinart Consumer Products Inc. 156 Parkshore Dr Brampton ON L6T 5M1	SCT
Established:	1990				
Plant Size (ft²):	6000				
Employment:	30				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Description:		Household Appliance Wholesaler-Distributors			
SIC/NAICS Code:		414220			
22	2 of 8	SW/77.0	169.8 / 1.13	Conair Consumer Products Inc. 156 Parkshore Dr Brampton ON L6T 5M1	SCT
Established:		1990			
Plant Size (ft²):		59000			
Employment:		84			
--Details--					
Description:		Household Appliance Wholesaler-Distributors			
SIC/NAICS Code:		414220			
22	3 of 8	SW/77.0	169.8 / 1.13	156 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:		20060810020		Nearest Intersection: Kenview Boulevard	
Status:		C		Municipality:	
Report Type:		Complete Report		Client Prov/State: ON	
Report Date:		8/21/2006		Search Radius (km): 0.25	
Date Received:		8/10/2006		X: -79.644304	
Previous Site Name:				Y: 43.735008	
Lot/Building Size:					
Additional Info Ordered:		City Directory			
22	4 of 8	SW/77.0	169.8 / 1.13	CONAIR CONSUMER PRODUCTS 156 PARKSIDE DRIVE BRAMPTON ON	GEN
Generator No:		ON8422541		Status:	
SIC Code:		418990		Co Admin:	
SIC Description:		All Other Wholesaler-Distributors		Choice of Contact:	
Approval Years:		06		Phone No Admin:	
PO Box No:					
Country:					
MHSW Facility:					
Detail(s)					
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
22	5 of 8	SW/77.0	169.8 / 1.13	Conair Corporation 156 Parkshore Dr Brampton ON L6T 5M1	SCT
Established:					
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Toilet Preparation Manufacturing			
SIC/NAICS Code:		325620			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		Toilet Preparation Manufacturing			
SIC/NAICS Code:		325620			
Description:		Small Electrical Appliance Manufacturing			
SIC/NAICS Code:		335210			
Description:		Other Major Appliance Manufacturing			
SIC/NAICS Code:		335229			
22	6 of 8	SW/77.0	169.8 / 1.13	156 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	20120323022	Nearest Intersection:			
Status:	C	Municipality:			
Report Type:	Custom Report	Client Prov/State:		ON	
Report Date:	3/29/2012 11:46:41 AM	Search Radius (km):		0.25	
Date Received:	3/23/2012 11:45:36 AM	X:		-79.644687	
Previous Site Name:		Y:		43.735332	
Lot/Building Size:					
Additional Info Ordered:					
22	7 of 8	SW/77.0	169.8 / 1.13	156 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	21042200082	Nearest Intersection:			
Status:	C	Municipality:			
Report Type:	Standard Report	Client Prov/State:		ON	
Report Date:	27-APR-21	Search Radius (km):		.25	
Date Received:	22-APR-21	X:		-79.644421	
Previous Site Name:		Y:		43.7349138	
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
22	8 of 8	SW/77.0	169.8 / 1.13	156 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	21042200082	Nearest Intersection:			
Status:	C	Municipality:			
Report Type:	Standard Report	Client Prov/State:		ON	
Report Date:	27-APR-21	Search Radius (km):		.25	
Date Received:	22-APR-21	X:		-79.644421	
Previous Site Name:		Y:		43.7349138	
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
23	1 of 10	NW/90.9	171.2 / 2.49	18 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	20050520012	Nearest Intersection:			
Status:	C	Municipality:			
Report Type:		Client Prov/State:		FL	
Report Date:	5/31/2005	Search Radius (km):		0.25	
Date Received:	5/20/2005	X:		-79.644359	
Previous Site Name:		Y:		43.738313	
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	2 of 10	NW/90.9	171.2 / 2.49	18 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	20051220018			Nearest Intersection:	
Status:	C			Municipality:	Peel Region
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	1/2/2006			Search Radius (km):	0.25
Date Received:	12/20/2005			X:	-79.644359
Previous Site Name:				Y:	43.738313
Lot/Building Size:					
Additional Info Ordered:					
23	3 of 10	NW/90.9	171.2 / 2.49	JANICK ELECTRIC LIMITED 18 PARKSHORE DR BRAMPTON ON L6T 5M1	EASR
Approval No:	R-002-1645974126			MOE District:	Halton-Peel
Status:	REGISTERED			Municipality:	BRAMPTON
Date:	2012-03-05			Latitude:	43.738827
Record Type:	EASR			Longitude:	-79.64371
Link Source:	MOFA			Geometry X:	
Project Type:	Standby Power System			Geometry Y:	
Full Address:					
Approval Type:	EASR-Standby Power System				
SWP Area Name:	Toronto				
PDF URL:					
PDF Site Location:					
23	4 of 10	NW/90.9	171.2 / 2.49	18 Parkshore Drive Brampton ON L6T 0G7	EHS
Order No:	20111011024			Nearest Intersection:	
Status:	C			Municipality:	ON
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	10/17/2011			Search Radius (km):	0.25
Date Received:	10/11/2011 11:07:36 AM			X:	-79.643567
Previous Site Name:				Y:	43.738772
Lot/Building Size:					
Additional Info Ordered:					
23	5 of 10	NW/90.9	171.2 / 2.49	DHL EXPRESS (CANADA) LTD. 18 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON9849434			Status:	
SIC Code:	492110			Co Admin:	Mike De Souza
SIC Description:	COURIERS			Choice of Contact:	CO_OFFICIAL
Approval Years:	2015			Phone No Admin:	905-861-3515 Ext.3515
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	252				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			

23	6 of 10	NW/90.9	171.2 / 2.49	DHL EXPRESS (CANADA) LTD. 18 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON9849434			Status:	
SIC Code:	492110			Co Admin:	Mike De Souza
SIC Description:	COURIERS			Choice of Contact:	CO_OFFICIAL
Approval Years:	2016			Phone No Admin:	905-861-3515 Ext.3515
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No

Detail(s)

Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS

23	7 of 10	NW/90.9	171.2 / 2.49	DHL EXPRESS (CANADA) LTD. 18 PARKSHORE DR. BRAMPTON ON L6T 5M1	GEN
Generator No:	ON9849434			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Dec 2018			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	

Detail(s)

Waste Class:	148 C
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	148 L
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	263 L
Waste Class Desc:	Misc. waste organic chemicals

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		331 L			
Waste Class Desc:		Waste compressed gases including cylinders			

[23](#) 8 of 10 **NW/90.9** **171.2 / 2.49** **DHL EXPRESS (CANADA) LTD.
18 PARKSHORE DR.
BRAMPTON ON L6T 5M1** **GEN**

Generator No:	ON9849434	Status:	Registered
SIC Code:		Co Admin:	
SIC Description:		Choice of Contact:	
Approval Years:	As of Jul 2020	Phone No Admin:	
PO Box No:		Contam. Facility:	
Country:	Canada	MHSW Facility:	

Detail(s)

Waste Class: 148 L
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 331 L
Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 145 L
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 263 L
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 148 C
Waste Class Desc: Misc. wastes and inorganic chemicals

[23](#) 9 of 10 **NW/90.9** **171.2 / 2.49** **DHL EXPRESS (CANADA) LTD.
18 PARKSHORE DR.
BRAMPTON ON L6T 5M1** **GEN**

Generator No:	ON9849434	Status:	Registered
SIC Code:		Co Admin:	
SIC Description:		Choice of Contact:	
Approval Years:	As of Nov 2021	Phone No Admin:	
PO Box No:		Contam. Facility:	
Country:	Canada	MHSW Facility:	

Detail(s)

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 263 L
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		148 L			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		331 L			
Waste Class Desc:		Waste compressed gases including cylinders			
Waste Class:		251 L			
Waste Class Desc:		Waste oils/sludges (petroleum based)			
Waste Class:		145 L			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			

[23](#) 10 of 10 NW/90.9 171.2 / 2.49 DHL EXPRESS (CANADA) LTD.
18 PARKSHORE DR.
BRAMPTON ON L6T 5M1 GEN

Generator No: ON9849434 **Status:** Registered
SIC Code: **Co Admin:**
SIC Description: **Choice of Contact:**
Approval Years: As of Apr 2022 **Phone No Admin:**
PO Box No: **Contam. Facility:**
Country: Canada **MHSW Facility:**

Detail(s)

Waste Class: 145 L
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148 C
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 148 L
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 331 L
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 252 L
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263 L
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 251 L
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 145 I
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

[24](#) 1 of 1 E/106.5 169.8 / 1.13 ON BORE

Borehole ID: 841397 **Inclin FLG:** No
OGF ID: 215578887 **SP Status:** Initial Entry
Status: Decommissioned **Surv Elev:** No
Type: Borehole **Piezometer:** No
Use: Geotechnical/Geological Investigation **Primary Name:**
Completion Date: 16-MAR-1981 **Municipality:**
Static Water Level: 0.7 **Lot:**
Primary Water Use: **Township:** TORONTO GORE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Sec. Water Use:				Latitude DD: 43.736498	
Total Depth m:	15.7			Longitude DD: -79.63822	
Depth Ref:	Ground Surface			UTM Zone: 17	
Depth Elev:				Easting: 609662	
Drill Method:	Solid stem auger			Northing: 4843508	
Orig Ground Elev m:	170			Location Accuracy:	
Elev Reliabil Note:				Accuracy: Within 10 metres	
DEM Ground Elev m:	168				
Concession:		CON 9 SD			
Location D:		C.N.R. SUBWAY AT FINCH AVE EXTENSION			
Survey D:					
Comments:					

Borehole Geology Stratam

Geology Stratam ID:	6503804			Mat Consistency:	Very Stiff
Top Depth:	0			Material Moisture:	
Bottom Depth:	15.7			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	Brown Grey Silty clay of low plasticity with sand and trace of gravel Very stiff to hard Occ. Sandy silt seams **Note: Many records provided by the department have a truncated [Stratum Description] field.				

[25](#) 1 of 2 **NW/113.5** **171.9 / 3.23** **18 Parkshore Drive
Brampton ON L6T 5M1** **EHS**

Order No:	20200306348			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	11-MAR-20			Search Radius (km):	.25
Date Received:	06-MAR-20			X:	-79.6437193
Previous Site Name:				Y:	43.7387007
Lot/Building Size:					
Additional Info Ordered:					

[25](#) 2 of 2 **NW/113.5** **171.9 / 3.23** **18 Parkshore Drive
Brampton ON L6T 5M1** **EHS**

Order No:	20200306348			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	11-MAR-20			Search Radius (km):	.25
Date Received:	06-MAR-20			X:	-79.6437193
Previous Site Name:				Y:	43.7387007
Lot/Building Size:					
Additional Info Ordered:					

[26](#) 1 of 3 **WNW/116.9** **170.8 / 2.13** **Nizsons Limited
5 Parkshore Dr
Brampton ON L6T 5M1** **SC**

Established:	1980
Plant Size (ft²):	
Employment:	

--Details--

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		All Other Miscellaneous Fabricated Metal Product Manufacturing			
SIC/NAICS Code:		332999			
26	2 of 3	WNW/116.9	170.8 / 2.13	Colliers International 5 Parkshore Dr. Brampton ON L6T 5M1	GEN
Generator No:	ON7663769			Status:	
SIC Code:	287116			Co Admin:	
SIC Description:	287116			Choice of Contact:	CO_OFFICIAL
Approval Years:	2016			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
Detail(s)					
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
26	3 of 3	WNW/116.9	170.8 / 2.13	5 Parkshore Dr Brampton ON L6T5M1	EHS
Order No:	20161106003			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	10-NOV-16			Search Radius (km):	.25
Date Received:	06-NOV-16			X:	-79.644907
Previous Site Name:				Y:	43.737637
Lot/Building Size:					
Additional Info Ordered:					
27	1 of 1	WNW/117.1	170.8 / 2.13	5 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	20180731249			Nearest Intersection:	
Status:	C			Municipality:	Brampton
Report Type:	Standard Report			Client Prov/State:	PA
Report Date:	08-AUG-18			Search Radius (km):	.25
Date Received:	31-JUL-18			X:	-79.6448
Previous Site Name:				Y:	43.73774
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps; City Directory; Aerial Photos				
28	1 of 1	WNW/117.8	170.8 / 2.13	5 Parkshore Drive Brampton ON L6T 5M1	EHS
Order No:	20190220131			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	IL
Report Date:	27-FEB-19			Search Radius (km):	.25
Date Received:	20-FEB-19			X:	-79.64486
Previous Site Name:				Y:	43.737694
Lot/Building Size:					
Additional Info Ordered:	Aerial Photos				
29	1 of 5	N/143.5	174.8 / 6.12	RECREATIONAL SITE 7855 FINCH AVE. WEST	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
BRAMPTON CITY ON					
Ref No:	53132			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	6/23/1991			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	WASTEWATER DISCHARGE TO WATERCOURSE			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	POSSIBLE			Site Municipality:	21101
Nature of Impact:	Water course or lake			Site Lot:	
Receiving Medium:	LAND / WATER			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	PEEL REGIONAL HEALTH UNIT
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	6/27/1991			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	EQUIPMENT FAILURE			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	WILD WATER KINGDOM- BACKWATER WASH FROM POOL SYSTEM WENT INTO POND.				
Contaminant Qty:					
29	2 of 5	N/143.5	174.8 / 6.12	WHITEWATER KINGDOM 7855 FINCH,WHITE WATER KINGDOM. 7855 FINCH AVENUE BRAMPTON BRAMPTON CITY ON L6T 3Y7	SPL
Ref No:	157328			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	6/27/1998			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	OTHER CAUSE (N.O.S.)			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	POSSIBLE			Site Municipality:	21101
Nature of Impact:	Air Pollution			Site Lot:	
Receiving Medium:	AIR			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	FD,REGION.
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	6/27/1998			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	ERROR			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	WHITEWATER KINGDOM-VAPOURLOCK CAUSED CHLORINE GAS RELEASE,15 TO HOSPITAL.				
Contaminant Qty:					
29	3 of 5	N/143.5	174.8 / 6.12	Wild Water Kingdom Ltd	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				7855 Finch Ave West Brampton ON L6T 0B2	
Generator No:	ON6694776			Status:	
SIC Code:	713110			Co Admin:	
SIC Description:	Amusement and Theme Parks			Choice of Contact:	
Approval Years:	07,08			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
29	4 of 5	N/143.5	174.8 / 6.12	Wild Water Kingdom Ltd 7855 Finch Ave West Brampton ON L6T 0B2	GEN
Generator No:	ON6694776			Status:	
SIC Code:	713110			Co Admin:	
SIC Description:	Amusement and Theme Parks			Choice of Contact:	
Approval Years:	2010			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
29	5 of 5	N/143.5	174.8 / 6.12	7855 Finch Ave Unit 505 Brampton ON	SPL
Ref No:	7624-ALQVMR			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	4/24/2017			Health/Env Conseq:	2 - Minor Environment
Year:				Client Type:	
Incident Cause:				Sector Type:	Other
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	7855 Finch Ave Unit 505
Contaminant Limit 1:				Site District Office:	Halton-Peel
Contam Limit Freq 1:	any			Site Postal Code:	
Contaminant UN No 1:	1075			Site Region:	Central
Environment Impact:				Site Municipality:	Brampton
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	4/24/2017			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	Operator/Human Error			Source Type:	Pipeline/Components

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site Name:		Water park<UNOFFICIAL>			
Site County/District:		Regional Municipality of Peel			
Site Geo Ref Meth:					
Incident Summary:		TSSA FSB 1" plstc ln damage Made Safe			
Contaminant Qty:		1 other - see incident description			
30	1 of 3	N/144.6	175.9 / 7.14	7855 Finch Ave Brampton ON L6T0B2	EHS
Order No:		20160419170		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Custom Report		Client Prov/State: ON	
Report Date:		26-APR-16		Search Radius (km): .25	
Date Received:		19-APR-16		X: -79.641556	
Previous Site Name:				Y: 43.742052	
Lot/Building Size:					
Additional Info Ordered:		Title Searches; City Directory; Aerial Photos			
30	2 of 3	N/144.6	175.9 / 7.14	7855 Finch Ave Brampton ON L6T0B2	EHS
Order No:		20160208070		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Site Report		Client Prov/State: ON	
Report Date:		09-FEB-16		Search Radius (km): .001	
Date Received:		08-FEB-16		X: -79.641889	
Previous Site Name:				Y: 43.740178	
Lot/Building Size:					
Additional Info Ordered:					
30	3 of 3	N/144.6	175.9 / 7.14	SIERRA EXCAVATING ENTERPRISES 7855 FINCH AVE UNIT 505,,BRAMPTON,ON,L6T 0B2,CA ON	PINC
Incident Id:					
Incident No:		2064174		Pipe Material:	
Incident Reported Dt:		4/25/2017		Fuel Category:	
Type:		FS-Pipeline Incident		Health Impact:	
Status Code:					
Tank Status:		Pipeline Damage Reason Est		Environment Impact:	
Task No:					
Spills Action Centre:					
Fuel Type:					
Fuel Occurrence Tp:					
Date of Occurrence:					
Occurrence Start Dt:					
Depth:					
Customer Acct Name:		SIERRA EXCAVATING ENTERPRISES			
Incident Address:		7855 FINCH AVE UNIT 505,,BRAMPTON,ON,L6T 0B2,CA			
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:					
Reported By:					
Affiliation:					
Occurrence Desc:					
Damage Reason:					
Notes:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
31	1 of 2	SSE/151.8	169.8 / 1.13	R.M. OF PEEL WILDFERN DR/BRANDON GATE DR. MISSISSAUGA CITY ON	CA
<p>Certificate #: 7-0794-99- Application Year: 99 Issue Date: 9/28/1999 Approval Type: Municipal water Status: Cancelled Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:</p>					
31	2 of 2	SSE/151.8	169.8 / 1.13	R.M. OF PEEL WILDFERN DR/BRANDON GATE DR. MISSISSAUGA CITY ON	CA
<p>Certificate #: 7-0871-99- Application Year: 99 Issue Date: 10/29/1999 Approval Type: Municipal water Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:</p>					
32	1 of 1	SSE/168.3	169.8 / 1.13	ON	BORE
<p>Borehole ID: 639242 OGF ID: 215539639 Status: Type: Borehole Use: Geotechnical/Geological Investigation Completion Date: FEB-1967 Static Water Level: Primary Water Use: Not Used Sec. Water Use: Total Depth m: 6.3 Depth Ref: Ground Surface Depth Elev: Drill Method: Power auger Orig Ground Elev m: 30.8 Elev Reliabil Note: DEM Ground Elev m: 172 Concession: Location D: Survey D: Comments:</p> <p>Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: Township: Latitude DD: 43.73351 Longitude DD: -79.640615 UTM Zone: 17 Easting: 609475 Northing: 4843173 Location Accuracy: Accuracy: Not Applicable</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218487609			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.2			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Fill			Geologic Formation:	
Material 2:	Soil			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	fill
Gsc Material Description:					
Stratum Description:	FILL,SOIL.				
Geology Stratum ID:	218487611			Mat Consistency:	Hard
Top Depth:	3.8			Material Moisture:	
Bottom Depth:	6.3			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	TILL,SILT,GRAVEL. GREY,GLACIAL,HARD. 0000603500126036AGE GLACIAL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218487610			Mat Consistency:	Hard
Top Depth:	.2			Material Moisture:	
Bottom Depth:	3.8			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Clay			Geologic Period:	
Material 4:				Depositional Gen:	lacustrine
Gsc Material Description:					
Stratum Description:	TILL,SILT,CLAY. BROWN,LACUSTRINE,HARD,LAYERED.				
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: TOR1B.txt RecordID: 072050 NTS_Sheet: 30M12G				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
<u>Source List</u>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
33	1 of 1	ENE/201.9	168.7 / 0.00	ON	BORE
Borehole ID:	639251			Inclin FLG:	No
OGF ID:	215539648			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	FEB-1962			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:	Not Used			Township:	
Sec. Water Use:				Latitude DD:	43.738237
Total Depth m:	7.5			Longitude DD:	-79.636782
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	609775
Drill Method:	Power auger			Northing:	4843703
Orig Ground Elev m:	169			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	169				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218487639			Mat Consistency:	Stiff
Top Depth:	5.2			Material Moisture:	
Bottom Depth:	6.7			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	CLAY(65),SILT(22). GREY,GLACIAL,STIFF, AGE GLACIAL.				
Geology Stratum ID:	218487640			Mat Consistency:	Dense
Top Depth:	6.7			Material Moisture:	
Bottom Depth:	7.5			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SILT(40),SAND(38). FLUVIO-GLACIAL,VERY DENSE, AGE GLACIAL. 019018035 014010017 022023 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218487637			Mat Consistency:	Stiff
Top Depth:	0			Material Moisture:	
Bottom Depth:	2.1			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	CLAY(40),SILT(48). BROWN,GLACIAL,STIFF,LAYERED, AGE GLACIAL.				
Geology Stratum ID:	218487638			Mat Consistency:	Stiff
Top Depth:	2.1			Material Moisture:	
Bottom Depth:	5.2			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:	Clay			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SILT(40),SAND(30), GRAVEL(10),CLAY. BROWN,GREY,FLUVIO-GLACIAL, STIFF,AGE GLACIAL.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Ident:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: TOR1B.txt RecordID: 072140 NTS_Sheet: 30M12G				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
34	1 of 3	NW/207.3	172.9 / 4.14	Castello Landscape Construction 19-54 Kenview Blvd Brampton ON L6T-5G6	GEN
Generator No:	ON5461546			Status:	
SIC Code:	236110			Co Admin:	
SIC Description:	RESIDENTIAL BUILDING CONSTRUCTION			Choice of Contact:	CO_OFFICIAL
Approval Years:	2016			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
Detail(s)					
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
34	2 of 3	NW/207.3	172.9 / 4.14	Castello Landscape Construction 19-54 Kenview Blvd Brampton ON L6T-5G6	GEN
Generator No:	ON5461546			Status:	
SIC Code:	236110			Co Admin:	
SIC Description:	RESIDENTIAL BUILDING CONSTRUCTION			Choice of Contact:	CO_OFFICIAL
Approval Years:	2015			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
Detail(s)					
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
34	3 of 3	NW/207.3	172.9 / 4.14	Castello Landscape Construction 19-54 Kenview Blvd Brampton ON L6T-5G6	GEN
Generator No:	ON5461546			Status:	
SIC Code:	236110			Co Admin:	
SIC Description:	RESIDENTIAL BUILDING CONSTRUCTION			Choice of Contact:	CO_OFFICIAL
Approval Years:	2014			Phone No Admin:	
PO Box No:				Contam. Facility:	No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Country: Canada MHSW Facility: No

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

35	1 of 4	E/218.5	169.8 / 1.13	METROPOLITAN TORONTO & REGION INDIAN LINE CAMPGROUND 7625 FINCH AVENUE WEST BRAMPTON ON L6T 3Y7	GEN
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Generator No:	ON0651323	Status:
SIC Code:	8364	Co Admin:
SIC Description:	REC./CULTURE ADMIN.	Choice of Contact:
Approval Years:	92,93,97,98	Phone No Admin:
PO Box No:		Contam. Facility:
Country:		MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

35	2 of 4	E/218.5	169.8 / 1.13	METROPOLITAN TORONTO & REGION 26-988 CONS. AUTHY., INDIAN LINE CAMPGROUND 7625 FINCH AVE. W. RR #8 BRAMPTON ON L6T 3Y7	GEN
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Generator No:	ON0651323	Status:
SIC Code:	8364	Co Admin:
SIC Description:	REC./CULTURE ADMIN.	Choice of Contact:
Approval Years:	94,95,96	Phone No Admin:
PO Box No:		Contam. Facility:
Country:		MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

35	3 of 4	E/218.5	169.8 / 1.13	METROPOLITAN TORONTO AND INDIAN LINE CAMPGROUND 7625 FINCH AVENUE WEST, R.R. #8 BRAMPTON ON L6T 3Y7	GEN
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Generator No:	ON0651323	Status:
SIC Code:	8364	Co Admin:
SIC Description:	REC./CULTURE ADMIN.	Choice of Contact:
Approval Years:	99,00,01	Phone No Admin:
PO Box No:		Contam. Facility:
Country:		MHSW Facility:

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
35	4 of 4	E/218.5	169.8 / 1.13	Toronto and Region Conservation Authority 7625 Finch Ave Brampton ON L6T 0B2	GEN
Generator No:	ON4478961			Status:	
SIC Code:	912150 913150			Co Admin:	
SIC Description:	Provincial Regulatory Services, Municipal Regulatory Services			Choice of Contact:	
Approval Years:	06			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
36	1 of 8	NW/222.7	171.6 / 2.88	50 Kenview Blvd Brampton ON L6T 5S8	EHS
Order No:	20061218031			Nearest Intersection:	
Status:	C			Municipality:	Peel Region
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	12/27/2006			Search Radius (km):	0.25
Date Received:	12/18/2006			X:	-79.645575
Previous Site Name:				Y:	43.73977
Lot/Building Size:					
Additional Info Ordered:					
36	2 of 8	NW/222.7	171.6 / 2.88	50 Kenview Boulevard Brampton ON L6T 5S8	EHS
Order No:	20100301003			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	3/5/2010			Search Radius (km):	0.25
Date Received:	3/1/2010			X:	-79.645828
Previous Site Name:				Y:	43.74022
Lot/Building Size:					
Additional Info Ordered:					
36	3 of 8	NW/222.7	171.6 / 2.88	50 Kenview Boulevard Brampton ON L6T 5S8	EHS
Order No:	20110302035			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	IL
Report Date:	3/4/2011			Search Radius (km):	0.25
Date Received:	3/2/2011 4:17:07 PM			X:	-79.646064
Previous Site Name:				Y:	43.740287

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Lot/Building Size:
Additional Info Ordered:

36	4 of 8	NW/222.7	171.6 / 2.88	Shnier, Gesco L.P. 50 Kenview Boulevard Brampton ON L6T 5S8	GEN
Generator No:	ON4569037			Status:	
SIC Code:	238330			Co Admin:	
SIC Description:	FLOORING CONTRACTORS			Choice of Contact:	CO_OFFICIAL
Approval Years:	2016			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	232				
Waste Class Desc:	POLYMERIC RESINS				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				

36	5 of 8	NW/222.7	171.6 / 2.88	Shnier, Gesco L.P. 50 Kenview Boulevard Brampton ON L6T 5S8	GEN
Generator No:	ON4569037			Status:	
SIC Code:	238330			Co Admin:	
SIC Description:	FLOORING CONTRACTORS			Choice of Contact:	CO_OFFICIAL
Approval Years:	2015			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	232				
Waste Class Desc:	POLYMERIC RESINS				

36	6 of 8	NW/222.7	171.6 / 2.88	Shnier, Gesco L.P. 50 Kenview Drive Brampton ON L6T 5S8	GEN
Generator No:	ON4569037			Status:	
SIC Code:	238330			Co Admin:	
SIC Description:	FLOORING CONTRACTORS			Choice of Contact:	CO_OFFICIAL
Approval Years:	2014			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	232				
Waste Class Desc:	POLYMERIC RESINS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
36	7 of 8	NW/222.7	171.6 / 2.88	Shnier, Gesco L.P. 50 Kenview Boulevard Brampton ON L6T 5S8	GEN
Generator No:	ON4569037			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Dec 2018			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	232 B				
Waste Class Desc:	Polymeric resins				
Waste Class:	263 C				
Waste Class Desc:	Misc. waste organic chemicals				
Waste Class:	265 L				
Waste Class Desc:	Graphic arts wastes				
36	8 of 8	NW/222.7	171.6 / 2.88	Shnier, Gesco L.P. 50 Kenview Boulevard Brampton ON L6T 5S8	GEN
Generator No:	ON4569037			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jul 2020			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	263 C				
Waste Class Desc:	Misc. waste organic chemicals				
Waste Class:	265 L				
Waste Class Desc:	Graphic arts wastes				
Waste Class:	232 B				
Waste Class Desc:	Polymeric resins				
37	1 of 1	E/226.2	169.8 / 1.13	ON	BORE
Borehole ID:	639253			Inclin FLG: No	
OGF ID:	215539650			SP Status: Initial Entry	
Status:				Surv Elev: No	
Type:	Borehole			Piezometer: No	
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	FEB-1962			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:	Not Used			Township:	
Sec. Water Use:				Latitude DD: 43.737059	
Total Depth m:	9.1			Longitude DD: -79.636188	
Depth Ref:	Ground Surface			UTM Zone: 17	
Depth Elev:				Easting: 609825	
Drill Method:	Power auger			Northing: 4843573	
Orig Ground Elev m:	168			Location Accuracy:	
Elev Reliabil Note:				Accuracy: Not Applicable	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
DEM Ground Elev m: 170					
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218487643			Mat Consistency:	Stiff
Top Depth:	0			Material Moisture:	
Bottom Depth:	2.1			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	CLAY(40),SILT(43). BROWN,GLACIAL,STIFF,LAYERED, AGE GLACIAL.				
Geology Stratum ID:	218487644			Mat Consistency:	Dense
Top Depth:	2.1			Material Moisture:	
Bottom Depth:	9.1			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:	Clay			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SILT(36),SAND(40), GRAVEL(10),CLAY. BROWN,GREY,FLUVIO-GLACIAL, DENSE,AGE GLACIAL. 018018035				
	**Note: Many records provided by the department have a truncated [Stratum Description] field.				
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Ident:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: TOR1B.txt RecordID: 072160 NTS_Sheet: 30M12G				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
<u>Source List</u>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
38	1 of 1	ENE/232.8	168.8 / 0.06	ON	BORE
Borehole ID:	639246			Inclin FLG:	No
OGF ID:	215539643			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	FEB-1962			Municipality:	
Static Water Level:	0.8			Lot:	
Primary Water Use:	Not Used			Township:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Sec. Water Use:				Latitude DD:	43.738232
Total Depth m:	7.5			Longitude DD:	-79.636348
Depth Ref:	Ground Surface			UTM Zone:	17
Depth Elev:				Easting:	609810
Drill Method:	Power auger			Northing:	4843703
Orig Ground Elev m:	169			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	169				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218487621			Mat Consistency:	Stiff
Top Depth:	0			Material Moisture:	
Bottom Depth:	2.1			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	lacustrine
Gsc Material Description:					
Stratum Description:	CLAY(43),SILT(37), SAND(20). BROWN,LACUSTRINE,STIFF, LAYERED,AGE GLACIAL.				
Geology Stratum ID:	218487624			Mat Consistency:	Dense
Top Depth:	6.7			Material Moisture:	
Bottom Depth:	7.5			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Clay			Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SAND(43),SILT(35), CLAY(25). GLACIAL,VERY DENSE, AGE GLACIAL. 019018035 014009018 024 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218487623			Mat Consistency:	Stiff
Top Depth:	5.2			Material Moisture:	
Bottom Depth:	6.7			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	lacustrine
Gsc Material Description:					
Stratum Description:	CLAY,SILT. GREY,LACUSTRINE,STIFF, AGE GLACIAL.				
Geology Stratum ID:	218487622			Mat Consistency:	Stiff
Top Depth:	2.1			Material Moisture:	
Bottom Depth:	5.2			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Clay			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	SILT(37),SAND(30), CLAY(21),GRAVEL. BROWN,GREY,GLACIAL,STIFF, AGE GLACIAL, WATER STABLE AT 554.9 FEET.				
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: TOR1B.txt RecordID: 072090 NTS_Sheet: 30M12G				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

39	1 of 1	S/238.7	169.8 / 1.13	UNKNOWN 3800 BRANDON GATE DRIVE/BRANDON GATE SCHOOL. MALTON. MISSISSAUGA CITY ON L4T 3V9	SPL
Ref No:	123212			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	1/25/1996			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	UNKNOWN			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	CONFIRMED			Site Municipality:	21102
Nature of Impact:	Air Pollution			Site Lot:	
Receiving Medium:	LAND			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	PEEL REG., PUBLIC HEALTH.
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	1/31/1996			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	UNKNOWN			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	SOURCE UNKNOWN-HALF A DO-ZEN OF UNK BROWN BUBBLINGBLOTCHES ON SCHOOL YARD.				
Contaminant Qty:					

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
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Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial [AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Nov 2021

Abandoned Mine Information System:

Provincial [AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites:

Private [ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial [AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private [AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-May 31, 2022

Borehole:

Provincial [BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2020

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors:

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-May 31, 2022

Compressed Natural Gas Stations:

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Apr 2022

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Jun 2022

Certificates of Property Use:

Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Jul 31, 2022

Drill Hole Database:

Provincial [DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks:

Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Feb 28, 2022

Environmental Activity and Sector Registry:

Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011- Jul 31, 2022

Environmental Registry:

Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Jul 31, 2022

Environmental Compliance Approval:

Provincial [ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Jul 31, 2022

Environmental Effects Monitoring:

Federal [EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private [EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jul 31, 2022

Environmental Issues Inventory System:

Federal [EIIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report:

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land / water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2021

List of Expired Fuels Safety Facilities:

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Federal Convictions:

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Jun 2022

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Fuel Storage Tank - Historic:

Provincial

[FSTH](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

[GEN](#)

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Apr 30, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

[GHG](#)

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial

[HINC](#)

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario:

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 21, 2022

Canadian Mine Locations:

Private

[MINE](#)

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

[MNR](#)

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2022

National Analysis of Trends in Emergencies System (NATES):

Federal

[NATE](#)

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

[NCPL](#)

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2020

National Defense & Canadian Forces Fuel Tanks:

Federal

[NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

[NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

[NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

[NEBI](#)

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

[NEBP](#)

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-May 31, 2022

Ontario Oil and Gas Wells:

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites:

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders:

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Jul 31, 2022

Canadian Pulp and Paper:

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

<u>Pesticide Register:</u>	Provincial	PES
The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.		
Government Publication Date: Oct 2011- Jul 31, 2022		
<u>Pipeline Incidents:</u>	Provincial	PINC
List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.		
Government Publication Date: Feb 28, 2021		
<u>Private and Retail Fuel Storage Tanks:</u>	Provincial	PRT
The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).		
Government Publication Date: 1989-1996*		
<u>Permit to Take Water:</u>	Provincial	PTTW
This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.		
Government Publication Date: 1994 - Jul 31, 2022		
<u>Ontario Regulation 347 Waste Receivers Summary:</u>	Provincial	REC
Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.		
Government Publication Date: 1986-1990, 1992-2019		
<u>Record of Site Condition:</u>	Provincial	RSC
The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.		
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).		
Government Publication Date: 1997-Sept 2001, Oct 2004-Jul 2022		
<u>Retail Fuel Storage Tanks:</u>	Private	RST
This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.		
Government Publication Date: 1999-May 31, 2022		
<u>Scott's Manufacturing Directory:</u>	Private	SCD
Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.		
Government Publication Date: 1992-Mar 2011*		
<u>Ontario Spills:</u>	Provincial	SPL
List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.		
Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021		

Wastewater Discharger Registration Database:

Provincial [SRDS](#)

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks:

Private [TANK](#)

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal [TCFT](#)

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variations for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Jul 31, 2022

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Jan 31, 2022

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

**APPENDIX D:
MINISTRY OF THE ENVIRONMENT,
CONSERVATION AND PARKS**

**Ministry of the Environment,
Conservation and Parks**

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075

**Ministère de l'Environnement, de la
Protection de la nature et des Parcs**

Bureau de l'accès à l'information et
de la protection de la vie privée

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075



November 16, 2022

Joanna Olesiuk
GM BluePlan Engineering Ltd.
650 Woodlawn Road West, Block 'C', Unit 2
Guelph, Ontario N1K 1B8
joanna.olesiuk@gmblueplan.ca

Dear Joanna Olesiuk:

**RE: MECP FOI A-2022-07910, Your Reference #: 122062 – Record Release
Letter**

This letter is further to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 7848 Finch Avenue West, Brampton.

Attached is a copy of the records.

If you have any questions, please contact Nicole Pitton at 1-807-933-0928 or Nicole.Pitton@ontario.ca.

Yours truly,

A handwritten signature in cursive script that reads "Nicole Pitton".

For

Ryan Gunn
Manager (A), Access and Privacy Office

Attachment



INCIDENT REPORT

Reference Number:	2488-A82FRW	Module Type:	Other
Status:	Closed	File Storage Number:	SI PL MI FI
Program:	Sewage - Municipal	Activity:	Notifications

Caller or PO Reporting/Receiving Information

First Name:	Last Name:
Robert	Daw
Name of Company:	
Ingelwood WPCP	

MAILING ADDRESS			
Civic Address:		Unit Identifier:	
15705 MacLaughlin Road			
Delivery Designator:		Delivery Identifier:	
Municipality/ Unorganized Twp:	County/District:	Province/State:	Postal Code:
		Ontario	
Postal Station:		Country:	Canada
Telephone Number:	Extension:	Other Number:	Email Address:
647-621-1361		Fax	
Date Reported to MOE:	2016/03/14	Time Reported to MOE:	07:43
Date of Incident:	2016/03/14	Time of Incident:	
Incident Date Confirmation:	Actual		

Client(s)

Client Details

Site(s)

--

Site Details

Finch Ave Stormwater Pumping Station<UNOFFICIAL>
 Address: Lot: , Part: , 7848 Finch Ave W, Mississauga, City, Regional Municipality of Peel
 District Office: Halton-Peel

Incident Summary:

Finch Ave PS generator upgrade

Initial Incident Description (as reported):

Created: Julianne Dominski (Spills Action Centre) - 2016/03/14 07:43:48 AM

Caller to SAC(jd) reports that they will be updating their generator for the pumping station. They do have an auxiliary generator so if they do lose power they do have a back up. The pumping station will stay in normal operation while the work is being completed.

SAC Action Class:	Notifications
Non-Standard Procedure:	No

Incident Description:

Last update: Shelley Yeudall (DWMD Halton-Peel Office) - 2016/04/07 10:34 AM

No Further action required. File closed.

Incident Description Continuation:**Incident Update:**

Ian Oosting (Spills Action Centre) - 2016/03/18 created; 2016/03/18 last update :
 11:27 Robert Daw to SAC (fj): calling to update.
 The work is complete and the station is back to normal.

Was there an MOE field response?	No
Were there samples collected / analyzed at any time?	No
Known or Suspected Health / Environmental Consequence at the Time of Incident	
Health / Environmental Consequence:	0 - No Impact

Has a Water Body been impacted?	
Receiving Environment:	
Incident Event:	
Incident Reason:	

For Sewage programs, what effluent types are being assessed?	Cooling Water
MOE/Other Agencies Involved:	
Was there a discharge / emission / spill of a contaminant to the environment?	
No	

Environmental Compliance Reporting (ECR)

Is this an air emission (measured or modelled) or wastewater (sewage) discharge exceedance that will become part of the Environmental Compliance Report? (legislation, certificate of approval, order, or guideline)
No

Voluntary / Mandatory Abatement

Was there Non-Compliance/Non-Conformance Identified?	<input type="radio"/> Yes <input checked="" type="radio"/> No
--	---


Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
------	--------------	---------------------------------	------	------------

Waste / EGR Information

Waste / EGR Information entries:

Document Related Information

Cross Reference:	(doc link)	Task Link:	8801-A82G3S 
Originating Document:		Created by:	Julianne Dominski
Date Created:	2016/03/14	Date Completed:	2016/05/12
Office Receiving Incident Report:	Spills Action Centre	Incident Info Received By:	Julianne Dominski
Bring Forward Date:		Bring Forward Reason:	

Signatures

Provincial Officer:

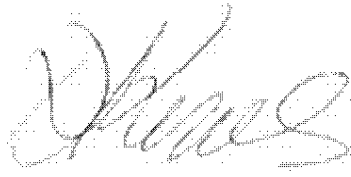
Name:	Shelley Yeudall
Badge No:	881

Work Unit: Central Region
District/Area Office: DWMD Halton-Peel Office
Date: 2016/04/07
Signature:



Supervisor:

Name: Demetra Koros
Work Unit: Central Region
District/Area Office: DWMD York Durham Office
Date: 2016/05/12
Signature:



**Ministry of the Environment,
Conservation and Parks**

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075

**Ministère de l'Environnement, de la
Protection de la nature et des Parcs**

Bureau de l'accès à l'information et
de la protection de la vie privée

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075



October 12, 2022

Joanna Olesiuk
GM BluePlan Engineering Ltd.
650 Woodlawn Road West, Block 'C', Unit 2
Guelph, Ontario N1K 1B8
joanna.olesiuk@gmblueplan.ca

Dear Joanna Olesiuk:

RE: MECP FOI A-2022-06963, Your Reference #: 122062 – Record Release Letter

This letter is further to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 80, 100 and 102 Parkshore Drive, Brampton.

Attached is a copy of the records.

If you have any questions, please contact Amina Shah at 437-339-1251 or amina.shah@ontario.ca.

Yours truly,

A handwritten signature in black ink that reads "A. Shah." with a period at the end.

for

Ryan Gunn
Manager (A), Access and Privacy Office

Attachment

**AMENDED CERTIFICATE OF APPROVAL
AIR**NUMBER 1236-7SXX9T
Issue Date: June 22, 2009Brita (Canada) Inc.
102 Parkshore Dr
Brampton, Ontario
L6T 5M1Site Location: 102 Parkshore Drive
Brampton City, Regional Municipality of Peel
L6T 5M1

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) baghouse dust collector, to control emissions from four (4) source collection points during blending operations of filter media, complete with polyester filter material having a net filtering area of 18.8 square metres and a pulse jet cleaning system, discharging into the atmosphere at a maximum volumetric flowrate of 0.47 actual cubic metres per second at an approximate temperature of 25 degrees Celsius, through a stack, having an exit diameter of 0.31 metre, extending 1.21 metres above the roof and 8.31 metres above grade;
- one (1) exhaust system serving a laboratory fume hood, exhausting into the atmosphere at a volumetric flow rate of 0.33 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- one (1) exhaust system serving an atomic absorption unit, exhausting into the atmosphere at a volumetric flow rate of 0.38 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- one (1) exhaust system, equipped with a ventilation hood, serving a printing unit, exhausting into the atmosphere at a volumetric flow rate of 0.33 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- thirteen (13) natural gas fired HVAC units, having a total maximum heat input of 2,473,975 kilojoules per hour, used for comfort heating;
- two (2) compressor units, each having 50 horsepower;

- **one (1) baghouse dust collector, to control emissions from filling operations of filter media, complete with polyester filter material having a net filtering area of 18.8 square metres and a pulse jet cleaning system, discharging into the atmosphere at a maximum volumetric flowrate of 0.47 actual cubic metre per second at an approximate temperature of 25 degrees Celsius, through a stack, having a exit diameter of 0.31 metre, extending 1.21 metres above the roof and 8.31 metres above grade;**
- **one (1) natural gas fired air handling unit, having a total maximum heat input of 211,000 kilojoules per hour, used for comfort heating;**

all in accordance with an application for Certificate of Approval (Air), and all supporting information dated February 17, 2003 and signed by Joanne Richard. Faxmittal dated June 12, 2003 from Ron Taylor of Trow Consulting Engineers Ltd. to the Ontario Ministry of the Environment. Application for a Certificate of Approval (Air) signed by Larry Parker, dated June 19, 2007 and supporting information. E-mail dated June 16, 2009 from Trow Associates Inc. to the Ontario Ministry of the Environment.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the Environmental Protection Act;
- (2) "Certificate" means this Certificate of Approval, issued in accordance with Section 9 of the Act;
- (3) "Company" means Brita (Canada) Inc.;
- (4) "Equipment" means all the baghouse dust collectors, described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provide written instructions to staff of the Company; and
- (6) "Ministry" means the Ontario Ministry of the Environment;
- (7) "Publication NPC-205" means Publication NPC-205, Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), October, 1995.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:
 - (1) prepare, before commencement of operation of the Equipment, and update, as necessary, a Manual

outlining the operating procedures and a maintenance program for the Equipment, including:

- (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - (b) emergency procedures;
 - (c) the frequency of inspection and replacement of the filter material in the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
- (2) implement the recommendations of the operating and maintenance Manual; and
 - (3) retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.

2. The Company shall ensure that the noise emissions from the Equipment comply with the limits set in Publication NPC-205.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No.1 is included on the Certificate to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate. In addition, the Company is required to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.
2. Condition No.2 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Equipment.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 6700-5NER79 issued on June 23, 2003

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;

4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 22nd day of June, 2009



Victor Low, P.Eng.
Director
Section 9, *Environmental Protection Act*

ST/

c: District Manager, MOE Halton-Peel
Ronald Taylor, Trow Associates Inc.

CERTIFICATE OF APPROVAL**AIR**

NUMBER 2123-8KLQS9

Issue Date: August 12, 2011

Canadian Blood Services
1800 Alta Vista Drive
Ottawa, Ontario
K1G 4J5

Site Location: 100 Parkshore Drive
Regional Municipality of Peel
Brampton, Ontario
L6T 5M1

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- four (4) natural gas-fired boilers, having a maximum combined thermal input of 8,614,000 kilojoules per hour;
- two (2) natural gas-fired domestic hot water tanks, having a maximum combined thermal input of 317,000 kilojoules per hour;
- six (6) natural gas-fired humidifiers, having a maximum combined thermal input of 1,192,000 kilojoules per hour;
- five (5) natural gas-fired radiant tube heaters, having a maximum combined thermal input of 449,000 kilojoules per hour;
- one (1) natural gas-fired make-up air unit, having a maximum thermal input of 1,478,000 kilojoules per hour;
- three (3) standby diesel-fuelled generator sets, each having a rating of 500 kilowatts, to provide power for the facility during emergency situations; and
- three (3) cooling towers,

all in accordance with the Application for Approval (Air & Noise) dated May 27, 2011 and signed by Michael

Robichaud, Director, Facilities Management, Canadian Blood Services, and all supporting information associated with the application including additional information provided by Pollutech Environmental Limited, dated December 3, 2010, and signed by Scott Anderson.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Certificate" means this Certificate of Approval issued in accordance with Section 9 of the Act;
- (3) "Equipment" means the diesel-fuelled generator sets, cooling towers and combustion equipment described in the Owner's application, this Certificate and in the supporting documentation submitted with the application, to the extent approved by this Certificate;
- (4) "Generator Sets" means the diesel-fuelled generator sets described in the Owner's application, this Certificate and in the supporting documentation submitted with the application, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provide written instructions to staff of the Owner;
- (6) "Ministry" means the Ontario Ministry of the Environment;
- (7) "Owner" means Canadian Blood Services, and includes its successors and assignees;
- (8) "Publication NPC-205" means Ministry Publication NPC-205, Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), October, 1995; and
- (9) "Publication NPC-232" means Ministry Publication NPC-232, Sound Level Limits for Stationary Sources in Class 3 Areas (Rural), October, 1995.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL

1. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Equipment in accordance with the description given in this Certificate, application for approval of the Equipment and the submitted supporting documents and plans and specifications as listed in this Certificate.
2. Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

PERFORMANCE

3. The Owner shall ensure that the noise emissions from the Equipment comply with the limits set out in Publication NPC-205 or NPC-232, as applicable.

OPERATION AND MAINTENANCE

4. The Owner shall restrict the periodic testing of the Generator Sets to the daytime hours from 7:00 am to 7:00 pm.
5. The Owner shall ensure that the Equipment is properly operated and maintained at all times. The Owner shall:
 - (1) prepare, not later than three (3) months after the date of this Certificate or the date of commissioning of the Equipment, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - (b) emergency procedures;
 - (c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
 - (d) all appropriate measures to minimize noise and odorous emissions from all potential sources;
 - (2) implement the recommendations of the Manual; and
 - (3) retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition Nos. 1 and 2 are imposed to ensure that the Equipment is built and operated in the manner in which it was described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition No. 3 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Equipment.
3. Condition No. 4 is included to ensure that the proposed operation, excluding emergency situations, is not extended beyond specific daytime hours to prevent an adverse effect resulting from the operation of the Generator Sets.
4. Condition No. 5 is included to emphasize that the Equipment must be maintained and operated according to

a procedure that will result in compliance with the Act, the regulations and this Certificate. In addition the Owner is required to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

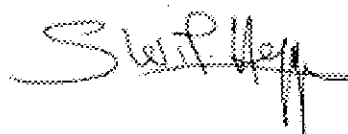
AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 12th day of August, 2011



Sherif Hegazy, P.Eng.
Director
Section 9, *Environmental Protection Act*

KB/

c: District Manager, MOE Halton-Peel District Office
Scott Anderson, Pollutech Environmental Limited



Ontario

Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 6700-5NER79

Brita (Canada) Inc.
102 Parkshore Drive
Brampton, Ontario
L6T 5M1

Site Location: 102 Parkshore Drive
Brampton City, Regional Municipality of Peel
L6T 5M1

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) baghouse dust collector, to control emissions from four (4) source collection points during blending operations of filter media, complete with polyester filter material having a net filtering area of 18.8 square metres and a pulse jet cleaning system, discharging into the atmosphere at a maximum volumetric flowrate of 0.47 actual cubic metres per second at an approximate temperature of 25 degrees Celsius, through a stack, having an exit diameter of 0.31 metre, extending 1.21 metres above the roof and 8.31 metres above grade;
- one (1) exhaust system serving a laboratory fume hood, exhausting into the atmosphere at a volumetric flow rate of 0.33 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- one (1) exhaust system serving an atomic absorption unit, exhausting into the atmosphere at a volumetric flow rate of 0.38 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- one (1) exhaust system, equipped with a ventilation hood, serving a printing unit, exhausting into the atmosphere at a volumetric flow rate of 0.33 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- thirteen (13) natural gas fired HVAC units, having a total maximum heat input of 2,473,975 kilojoules per hour, used for comfort heating;
- two (2) compressor units, each having 50 horsepower;

all in accordance with an application for Certificate of Approval (Air), and all supporting information dated February 17, 2003 and signed by Joanne Richard. Faxmittal dated June 12, 2003 from Ron Taylor of Trow Consulting Engineers Ltd. to the Ontario Ministry of the Environment.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the Environmental Protection Act;
- (2) "Certificate" means this Certificate of Approval, issued in accordance with Section 9 of the Act;
- (3) "Company" means Brita (Canada) Inc.;
- (4) "Equipment" means the baghouse dust collector, described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provide written instructions to staff of the Company;
and
- (6) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:
 - (1) prepare, before commencement of operation of the Equipment, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - (b) emergency procedures;
 - (c) the frequency of inspection and replacement of the filter material in the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
 - (2) implement the recommendations of the operating and maintenance Manual; and
 - (3) retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No.1 is included on the Certificate to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate. In addition, the Company is required to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

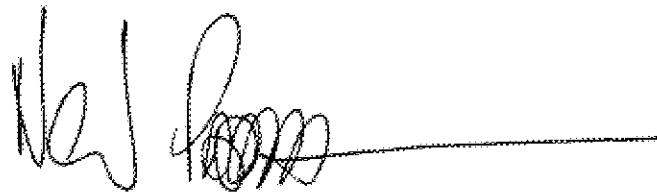
The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 23rd day of June, 2003

A handwritten signature in black ink, appearing to read 'Neil Parrish', is written over a horizontal line.

Neil Parrish, P.Eng.
Director
Section 9, *Environmental Protection Act*

ST/

c: District Manager, MOE Halton-Peel
Ronald Taylor, Trow Consulting Engineers

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 9627-9QML97

Issue Date: January 27, 2015

Brita Canada Corporation
102 Parkshore Dr
Brampton, Ontario
L6T 5M1Site Location: 102 Parkshore Dr
Brampton City, Regional Municipality of Peel
L6T 5M1

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

- one (1) baghouse dust collector, to control emissions from four (4) source collection points during blending operations of filter media, complete with polyester filter material having a net filtering area of 18.8 square metres and a pulse jet cleaning system, discharging into the atmosphere at a maximum volumetric flowrate of 0.47 actual cubic metres per second at an approximate temperature of 25 degrees Celsius, through a stack, having an exit diameter of 0.31 metre, extending 1.21 metres above the roof and 8.31 metres above grade;
- one (1) exhaust system serving a laboratory fume hood, exhausting into the atmosphere at a volumetric flow rate of 0.33 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade; and
- two (2) compressor units, each having a capacity of 75 horsepower;

all in accordance with an application for Environmental Compliance Approval (air), signed by Larry R Parker, dated June 5, 2014 and supporting information. E-mail dated November 21, 2014 and January 13, 2015 from exp. Services Inc. to the Ontario Ministry of the Environment and Climate Change.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed above;

2. "Company" means Brita Canada Corporation, that is responsible for the construction or operation of the Facility and includes any successors and assigns;
3. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
4. "Equipment" means the baghouse dust collector and one (1) exhaust system serving a laboratory fume hood, described in the Company's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval;
5. "Facility" means the entire operation located on the property where the Equipment is located;
6. "Manual" means a document or a set of documents that provide written instructions to staff of the Company; and
7. "Ministry" means the ministry of the government of Ontario responsible for the EPA and includes all officials, employees or other persons acting on its behalf.
8. "Publication NPC-300" means the Ministry Publication NPC-300, " Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August, 2013, as amended.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:
 - (1) prepare, before commencement of operation of the Equipment, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - (b) emergency procedures;
 - (c) the frequency of inspection and replacement of the filter material in the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
 - (e) all appropriate measures to minimize emissions from all potential sources, including spill clean-up procedures;

- (2) implement the recommendations of the operating and maintenance Manual; and
 - (3) retain, for a minimum of two (2) years from the date of their creation, all records on maintenance, repair and inspection of the Equipment, including records of any spills, complete with the date, name and amount of substance spilled and action taken to clean-up the spill, and make these records available for review by staff of the Ministry upon request.
2. The Company shall, at all times, ensure that the noise emissions from the Facility comply with the limits set out in Ministry Publication NPC-300.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No.1 is included on the Approval to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the EPA, the regulations and this Approval. In addition, the Company is required to keep records and provide information to staff of the Ministry so that compliance with the EPA, the regulations and this Approval can be verified.
2. Condition No. 2 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Facility.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 1236-7SXX9T issued on June 22, 2009

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and
Climate Change
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 27th day of January, 2015



Ian Greason, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

ST/
c: District Manager, MOECC Halton-Peel
Ron Taylor, exp. Services Inc.



Generator Details

Registration/Notification Number

ON4501650

Legal Company Name

Primary Name: Canadian Blood Services Division Name: NA

Company Operating Name

Primary Name: Canadian Blood Services Division Name: NA

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	1800 Alta Vista Drive	Address Line 2:	NA
Town/City:	Ottawa	Postal Code / Zip Code:	K1G 4J5
County: (if inside Ontario)	OTTAWA CARLTON (RM)	Province/State (If inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (If outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	100 Parkshore Drive		
Address Line 2:	NA		
Town/City:	Brampton	Postal Code / Zip Code:	L6T 5M1
County: (if inside Ontario)	PEEL (R. M.)	Province / State (If inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (If outside Canada / US)	NA
Country:	Canada		



Company Name: **Canadian Blood Services**
Company Number: **ON4501650 (Generator)**

Active Waste Classes

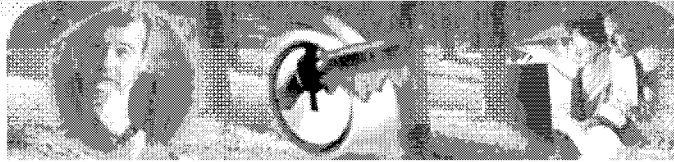
Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active On-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
251 - T	View Details	E018	5	Land Disposal	Y	Y	Liquid	Off-Site	Active

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Search

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Generator Details

Registration/Notification Number

ON5745765

Legal Company Name

Primary Name: Canadian Blood Services Division Name: NA

Company Operating Name

Primary Name: Canadian Blood Services Division Name: NA

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	100 Parkshore Dr	Address Line 2:	NA
Town/City:	Brampton	Postal Code / Zip Code:	L6T 5M1
County: (if inside Ontario)	PEEL (R. M.)	Province/State (If inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (If outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	100 Parkshore Dr		
Address Line 2:	NA		
Town/City:	Brampton	Postal Code / Zip Code:	L6T 5M1
County: (if inside Ontario)	PEEL (R. M.)	Province / State (If inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (If outside Canada / US)	NA
Country:	Canada		



Company Name: **Canadian Blood Services**
Company Number: **ON5745765 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active Off-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status	UnRegister Waste Class
112 - C	View Details	D002	5, 13	Potential Land Disposal	Y	Y	Solid	Off-Site	Active	
121 - C	View Details	D002	5, 13	Potential Land Disposal	Y	Y	Solid	Off-Site	Active	
122 - C	View Details	D002	5, 13	Land Disposal	Y	Y	Solid	Off-Site	Active	
145 - I	View Details	D001	5, 13	Potential Land Disposal	Y	Y	Liquid	Off-Site	Active	
146 - C	View Details	D002	5, 13	Potential Land Disposal	Y	Y	Solid	Off-Site	Active	
146 - R	View Details	D003	5, 13	Potential Land Disposal	Y	Y	Solid	Off-Site	Active	
146 - T	View Details	D009	5, 13	Potential Land Disposal	Y	Y	Solid	Off-Site	Active	<input type="checkbox"/>
148 - A	View Details	P105	2A	OWRA	N		Liquid	Off-Site	Active	<input type="checkbox"/>
148 - B	View Details	U148	2B	Potential Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
148 - C	View Details	D002	5, 13	Potential Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
148 - C	View Details	D002	5, 13	Potential Land Disposal	Y	Y	Solid	Off-Site	Active	<input type="checkbox"/>
148 - L	View Details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
212 - I	View Details	D001	5, 13	Potential Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
212 - L	View Details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
251 - L	View Details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
252 - L	View Details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
261 - A	View Details	P001	2A	Incineration	N		Solid	Off-Site	Active	<input type="checkbox"/>
261 - L	View Details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>
263 - B	View Details	U122	2B	OWRA	N		Solid	Off-Site	Active	<input type="checkbox"/>
263 - B	View Details	U247	2B	Potential Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
263 - I	View Details	D001	5, 13	Potential Land Disposal	Y	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
263 - I	View Details	D001	5, 13	Potential Land Disposal	Y	Y	Solid	Off-Site	Active	<input type="checkbox"/>
265 - L	View Details	N/A					Solid	Off-Site	Active	<input type="checkbox"/>
312 - P	View Details	N/A					Solid	Off-Site	Active	<input type="checkbox"/>

N/A

Solid

Site

Off-
Site

Active

N/A

Solid

Off-
Site

Active

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Generator Details

Registration/Notification Number

ON1462802

Legal Company Name

Primary Name: PRODIGY GRAPHICS GROUP INC. Division Name: NA

Company Operating Name

Primary Name: PRODIGY GRAPHICS GROUP INC. Division Name: NA

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	100 Parkshore Drive	Address Line 2:	NA
Town/City:	Brampton	Postal Code / Zip Code:	L6T 5M1
County: (if inside Ontario)	PEEL (R. M.)	Province/State (If inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (If outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	100 Parkshore Drive		
Address Line 2:	NA		
Town/City:	Brampton	Postal Code / Zip Code:	L6T 5M1
County: (if inside Ontario)	PEEL (R. M.)	Province / State (If inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (If outside Canada / US)	NA
Country:	Canada		



Company Name: **PRODIGY GRAPHICS GROUP INC.**
Company Number: **ON1462802 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active Off-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status	UnRegister Waste Class
145 - L	View Details	N/A					Liquid	Off-Site	Active	
148 - A	View Details	Incomplete		Incomplete	Incomplete	Incomplete	Liquid	Off-Site	Active	
213 - I	View Details	Incomplete		Incomplete	Incomplete	Incomplete	Liquid	Off-Site	Active	
252 - L	View Details	N/A					Liquid	Off-Site	Active	
263 - A	View Details	Incomplete		Incomplete	Incomplete	Incomplete	Liquid	Off-Site	Active	
264 - L	View Details	N/A					Liquid	Off-Site	Active	
265 - L	View Details	N/A					Liquid	Off-Site	Active	<input type="checkbox"/>

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Ministry of the Environment, Conservation and Parks
Ministère de l'Environnement, de la Protection de la nature et des Parcs

INCIDENT REPORT

Reference Number:	2873-B4PQ2A	Module Type:	Spill
Status:	Closed	File Storage Number:	100
Program:	Waste - Hazardous & Liquid industrial	Activity:	Spills

Caller or PO Reporting/Receiving Information

Date Reported to MOE:	2018/09/17	Time Reported to MOE:	14:46
Date of Incident:	2018/09/17	Time of Incident:	10:50
Incident Date Confirmation:	Actual		

Client(s)

Client Details

Site(s)

Site Details

Construction Project<UNOFFICIAL>

Address: Lot: , Part: , Hwy 427 Construction, Brampton, City, Regional Municipality of Peel

District Office: Halton-Peel

GeoReference: Map Datum: , Zone: 17, Method: , UTM Easting: 609628, UTM Northing: 4843977, UTM

Location Description: ,

Incident Summary:

Link 427: 1L Diesel to gravel, clnd.

Initial Incident Description (as reported):

Created: Aaron Daya (Spills Action Centre) - 2018/09/17 02:46:49 PM

Caller reports an excavator spilled 1L of diesel. It is believe this occurred when re-fuelling, possibly due to thermal expansion. Diesel went to the machine siding and ground (gravel and soil). The stained ground was excavated, waste placed in the GFL contaminated soil bladder on-site.

Complete as of 14:30 no updates expected.

Closest Municipal Address: 100 Parkshore Drive, See UTM Coordinates

15:55 SAC(ad2) to RofP (Erin): Briefed on the incident.

SAC Action Class:

Land Spills

Non-Standard Procedure:

No

Incident Description:

Last update: Christelle Broux (Halton-Peel District Office) - 2018/09/17 04:50:36 PM

Location Information

Latitude:43.74073 Longitude:-79.63855

UTM Zone:17 Easting:609627.7 Northing:4843977.94

Upper Tier Municipality: REGIONAL MUNICIPALITY OF PEEL

Lower/Single Tier Municipality: CITY OF BRAMPTON

Township Concession and Lot: TORONTO GORE CON 9 SOUTHERN DIVISION, LOT 14

Assessment Roll #: 21101501000230000000

Source Protection Details for Location

Source Protection Area.Toronto

Spill clean up reported as complete. Spill was minor (1L) - no further action required.

Recommended close.

Incident Description Continuation:

Not Available

Incident Update:

Jeremy Weiss - 2018/09/17 created; 2020/09/18 last update - Spills Action Centre

1605

Region of Peel (Tony Dicristofaro) briefed. RofP will follow up with the company and likely attend site tomorrow.

Was there an MOE field response?	No
Were there samples collected / analyzed at any time?	No
Health / Environmental Consequences at the Time of Incident	
Health / Environmental Consequences:	2 - Minor Environment

Has a Water Body been impacted?	No
Receiving Environment:	Land
Incident Event:	Leak/Break
Incident Reason:	Unknown / N/A
Source Type:	Spray Vessel/Equipment
Sector Type:	Miscellaneous Industrial
MOE/Other Agencies Involved:	Province - MOE-District Office
Was there a discharge / emission / spill of a contaminant to the environment?	
Yes	

Contaminants Table

Contaminant Name	Description	Code	UN#	Limit	Quantity	[units]	[freq]
DIESEL FUEL		13	1202		1	L	

Environmental Compliance Reporting (ECR)

Is this an air emission (measured or modelled) or wastewater (sewage) discharge exceedance that will become part of the Environmental Compliance Report? (legislation, certificate of approval, order, or guideline)
No


Voluntary / Mandatory Abatement

Was there Non-Compliance/Non-Conformance Identified?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Voluntary / Mandatory Abatement Items	
Not Available	

Waste / EGR Information


Waste / EGR Information entries:
Not Available

Document Related Information


Cross Reference:	(doc link)	Task Link:	5480-B4PQDQ 
Originating Document:		Created by:	Aaron Daya
Date Created:	2018/09/17	Date Completed:	2018/12/07
Office Receiving Incident Report:	Spills Action Centre	Incident Info Received By:	Aaron Daya
Bring Forward Date:		Bring Forward Reason:	

Signatures

Provincial Officer:

Name:	Christelle Broux
Badge No:	1896
Work Unit:	
District/Area Office:	Halton-Peel District Office
Date:	2018/09/17
Signature:	

Senior Environmental Officer:

Name:	Leah Noordhof
Work Unit:	
District/Area Office:	
Date:	2018/12/07
Signature:	



COMMENT / MEMORANDUM TO FILE

Memo Details

Date:	2018/09/18
Module	Incident Reporting Main Document Reference Number: 2873-B4PQ2A
Client:	
Site(s):	
Subject:	Change of location
Created by:	Alim Khan
File Storage Number:	100

Document Links and Comments:	0759 [REDACTED] to SAC, states that [REDACTED] provided incorrect UTM coordinates UTM 609392e, 4849377n zone 17
Attachment Names:	

OCCURENCE REPORT

Location of Occurrence: BRAMPTON CITY PARKSHORE DRIVE Reg: 3 Dist: HP Municipality: 21101		Source: BRITA CANADA CORPORATION 102 PARKSHORE DRIVE, BRAMPTON Sector: Source: SIC: UTM: N: [0] E: [0] Zone: []	
Entered: 2001/12/21 16:51	ORIS No. 9930019790	Abstracts: 0	Diaries: 0
Received By: ROBIN MCKNIGHT		Batch: 4159	I. E. B. No.
Occurrence Type: N	Subtype: 99	Occurrence Date:	2001/11/29
Work Plan:	WH	Occurrence Time:	09:00
Reported By: WING TSE MOE-EMRB		Report to MOE : 2001/12/12 09:00 MOE at Scene:	
Telephone No. 416-235-6253 x	Alternate No. x	Assigned To:	BRAD ALLEN
Address: 125 RESOURCES ROAD, EAST WING ETOBICOKE, ON Postal Code: M9P 3V6		ERP Contacted: Callout: <input type="checkbox"/> NSP: <input type="checkbox"/> ERP Name:	
Syn: EMRB: VIOLATION TO REGULATION 347 SECTION 18(7)			
Brief Summary: VIOLATION TO REG 347 SECTION 18(7) THRU EXCEPTION REPORTS. If there are related reports, record initial/master ORIS No. here >>			
Followup Action: Abatement N IEB Other BF Date: HWIN INDICATES THAT THIS COMPANY IS "IN GOOD STANDING" AS OF FEB. 28/02. NOTED AND FILED.			
File Closed: Y Abatement: IEB Other Suspected Violation: 43			
Report Prepared By: BRAD ALLEN		Date: 02/28/2002	IEB Investigator:
Approving Officer: ROBERT ADCOCK		Date: 02/28/2002	IEB BF Date
Reviewing Officer:		Date	
Specify number(s) for routing Original [] [] [] [] []		Continued [] Yes	
Specify number(s) for copy distribution [] [] [] [] [] []			
1. Investigator/E.O.	2. D. O. /File	3. SAC (initial spills)	
4. Reg. Dir. / _____ Mgr.	5. IEB Reg. Spv	6. IEB H.O./file	7. Other _____
SAC Action Class: 1: 2:			

Material 1: N/A	Code :
Amount : N/A	UN No.:
Material 2:	Code :
Amount :	UN No.:
Material 3:	Code :
Amount :	UN No.:
Cause. :	Code. . :
Reason. :	Code. . :



Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 6700-5NER79

Brita (Canada) Inc.
102 Parkshore Drive
Brampton, Ontario
L6T 5M1

Site Location: 102 Parkshore Drive
Brampton City, Regional Municipality of Peel
L6T 5M1

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) baghouse dust collector, to control emissions from four (4) source collection points during blending operations of filter media, complete with polyester filter material having a net filtering area of 18.8 square metres and a pulse jet cleaning system, discharging into the atmosphere at a maximum volumetric flowrate of 0.47 actual cubic metres per second at an approximate temperature of 25 degrees Celsius, through a stack, having an exit diameter of 0.31 metre, extending 1.21 metres above the roof and 8.31 metres above grade;
- one (1) exhaust system serving a laboratory fume hood, exhausting into the atmosphere at a volumetric flow rate of 0.33 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- one (1) exhaust system serving an atomic absorption unit, exhausting into the atmosphere at a volumetric flow rate of 0.38 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- one (1) exhaust system, equipped with a ventilation hood, serving a printing unit, exhausting into the atmosphere at a volumetric flow rate of 0.33 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- thirteen (13) natural gas fired HVAC units, having a total maximum heat input of 2,473,975 kilojoules per hour, used for comfort heating;
- two (2) compressor units, each having 50 horsepower;

all in accordance with an application for Certificate of Approval (Air), and all supporting information dated February 17, 2003 and signed by Joanne Richard. Faxmittal dated June 12, 2003 from Ron Taylor of Trow Consulting Engineers Ltd. to the Ontario Ministry of the Environment.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the Environmental Protection Act;
- (2) "Certificate" means this Certificate of Approval, issued in accordance with Section 9 of the Act;
- (3) "Company" means Brita (Canada) Inc.;
- (4) "Equipment" means the baghouse dust collector, described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provide written instructions to staff of the Company;
and
- (6) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:
 - (1) prepare, before commencement of operation of the Equipment, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - (b) emergency procedures;
 - (c) the frequency of inspection and replacement of the filter material in the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
 - (2) implement the recommendations of the operating and maintenance Manual; and
 - (3) retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No.1 is included on the Certificate to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate. In addition, the Company is required to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND


The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca , you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 23rd day of June, 2003

A handwritten signature in black ink, appearing to read 'Neil Parrish', is written over a horizontal line. The signature is stylized and cursive.

Neil Parrish, P.Eng.

Director

Section 9, *Environmental Protection Act*

ST/

c: District Manager, MOE Halton-Peel
Ronald Taylor, Trow Consulting Engineers

AMENDED CERTIFICATE OF APPROVAL
AIRNUMBER 1236-7SXX9T
Issue Date: June 22, 2009Brita (Canada) Inc.
102 Parkshore Dr
Brampton, Ontario
L6T 5M1Site Location: 102 Parkshore Drive
Brampton City, Regional Municipality of Peel
L6T 5M1

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) baghouse dust collector, to control emissions from four (4) source collection points during blending operations of filter media, complete with polyester filter material having a net filtering area of 18.8 square metres and a pulse jet cleaning system, discharging into the atmosphere at a maximum volumetric flowrate of 0.47 actual cubic metres per second at an approximate temperature of 25 degrees Celsius, through a stack, having a exit diameter of 0.31 metre, extending 1.21 metres above the roof and 8.31 metres above grade;
- one (1) exhaust system serving a laboratory fume hood, exhausting into the atmosphere at a volumetric flow rate of 0.33 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- one (1) exhaust system serving an atomic absorption unit, exhausting into the atmosphere at a volumetric flow rate of 0.38 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- one (1) exhaust system, equipped with a ventilation hood, serving a printing unit, exhausting into the atmosphere at a volumetric flow rate of 0.33 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade;
- thirteen (13) natural gas fired HVAC units, having a total maximum heat input of 2,473,975 kilojoules per hour, used for comfort heating;
- two (2) compressor units, each having 50 horsepower;

- **one (1) baghouse dust collector, to control emissions from filling operations of filter media, complete with polyester filter material having a net filtering area of 18.8 square metres and a pulse jet cleaning system, discharging into the atmosphere at a maximum volumetric flowrate of 0.47 actual cubic metre per second at an approximate temperature of 25 degrees Celsius, through a stack, having a exit diameter of 0.31 metre, extending 1.21 metres above the roof and 8.31 metres above grade;**
- **one (1) natural gas fired air handling unit, having a total maximum heat input of 211,000 kilojoules per hour, used for comfort heating;**

all in accordance with an application for Certificate of Approval (Air), and all supporting information dated February 17, 2003 and signed by Joanne Richard. Faxmittal dated June 12, 2003 from Ron Taylor of Trow Consulting Engineers Ltd. to the Ontario Ministry of the Environment. Application for a Certificate of Approval (Air) signed by Larry Parker, dated June 19, 2007 and supporting information. E-mail dated June 16, 2009 from Trow Associates Inc. to the Ontario Ministry of the Environment.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the Environmental Protection Act;
- (2) "Certificate" means this Certificate of Approval, issued in accordance with Section 9 of the Act;
- (3) "Company" means Brita (Canada) Inc.;
- (4) "Equipment" means all the baghouse dust collectors, described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provide written instructions to staff of the Company; and
- (6) "Ministry" means the Ontario Ministry of the Environment;
- (7) "Publication NPC-205" means Publication NPC-205, Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), October, 1995.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:
 - (1) prepare, before commencement of operation of the Equipment, and update, as necessary, a Manual

outlining the operating procedures and a maintenance program for the Equipment, including:

- (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - (b) emergency procedures;
 - (c) the frequency of inspection and replacement of the filter material in the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
- (2) implement the recommendations of the operating and maintenance Manual; and
- (3) retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.

2. The Company shall ensure that the noise emissions from the Equipment comply with the limits set in Publication NPC-205.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No.1 is included on the Certificate to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate. In addition, the Company is required to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.
2. Condition No.2 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Equipment.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 6700-5NER79 issued on June 23, 2003

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;

4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
 Environmental Review Tribunal
 655 Bay Street, 15th Floor
 Toronto, Ontario
 M5G 1E5

AND

The Environmental Commissioner
 1075 Bay Street, 6th Floor
 Suite 605
 Toronto, Ontario
 M5S 2B1

AND

The Director
 Section 9, *Environmental Protection Act*
 Ministry of the Environment
 2 St. Clair Avenue West, Floor 12A
 Toronto, Ontario
 M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 22nd day of June, 2009



Victor Low, P.Eng.
 Director
 Section 9, *Environmental Protection Act*

ST/

c: District Manager, MOE Halton-Peel
 Ronald Taylor, Trow Associates Inc.

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 9627-9QML97

Issue Date: January 27, 2015

Brita Canada Corporation
102 Parkshore Dr
Brampton, Ontario
L6T 5M1

Site Location: 102 Parkshore Dr
Brampton City, Regional Municipality of Peel
L6T 5M1

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

- one (1) baghouse dust collector, to control emissions from four (4) source collection points during blending operations of filter media, complete with polyester filter material having a net filtering area of 18.8 square metres and a pulse jet cleaning system, discharging into the atmosphere at a maximum volumetric flowrate of 0.47 actual cubic metres per second at an approximate temperature of 25 degrees Celsius, through a stack, having a exit diameter of 0.31 metre, extending 1.21 metres above the roof and 8.31 metres above grade;
- one (1) exhaust system serving a laboratory fume hood, exhausting into the atmosphere at a volumetric flow rate of 0.33 actual cubic metre per second through a stack, having an exit diameter of 0.48 metre, extending 0.61 metre above the roof and 7.7 metres above grade; and
- two (2) compressor units, each having a capacity of 75 horsepower;

all in accordance with an application for Environmental Compliance Approval (air), signed by Larry R Parker, dated June 5, 2014 and supporting information. E-mail dated November 21, 2014 and January 13, 2015 from exp. Services Inc. to the Ontario Ministry of the Environment and Climate Change.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed above;

2. "Company" means Brita Canada Corporation, that is responsible for the construction or operation of the Facility and includes any successors and assigns;
3. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
4. "Equipment" means the baghouse dust collector and one (1) exhaust system serving a laboratory fume hood, described in the Company's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval;
5. "Facility" means the entire operation located on the property where the Equipment is located;
6. "Manual" means a document or a set of documents that provide written instructions to staff of the Company; and
7. "Ministry" means the ministry of the government of Ontario responsible for the EPA and includes all officials, employees or other persons acting on its behalf.
8. "Publication NPC-300" means the Ministry Publication NPC-300, " Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August, 2013, as amended.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:
 - (1) prepare, before commencement of operation of the Equipment, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - (b) emergency procedures;
 - (c) the frequency of inspection and replacement of the filter material in the Equipment;
 - (d) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
 - (e) all appropriate measures to minimize emissions from all potential sources, including spill clean-up procedures;

- (2) implement the recommendations of the operating and maintenance Manual; and
 - (3) retain, for a minimum of two (2) years from the date of their creation, all records on maintenance, repair and inspection of the Equipment, including records of any spills, complete with the date, name and amount of substance spilled and action taken to clean-up the spill, and make these records available for review by staff of the Ministry upon request.
2. The Company shall, at all times, ensure that the noise emissions from the Facility comply with the limits set out in Ministry Publication NPC-300.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No.1 is included on the Approval to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the EPA, the regulations and this Approval. In addition, the Company is required to keep records and provide information to staff of the Ministry so that compliance with the EPA, the regulations and this Approval can be verified.
2. Condition No. 2 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Facility.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 1236-7SXX9T issued on June 22, 2009

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and
Climate Change
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 27th day of January, 2015



Ian Greason, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

ST/
c: District Manager, MOECC Halton-Peel
Ron Taylor, exp. Services Inc.

**CERTIFICATE OF APPROVAL
AIR**NUMBER 2123-8KLQS9
Issue Date: August 12, 2011Canadian Blood Services
1800 Alta Vista Drive
Ottawa, Ontario
K1G 4J5Site Location: 100 Parkshore Drive
Regional Municipality of Peel
Brampton, Ontario
L6T 5M1

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- four (4) natural gas-fired boilers, having a maximum combined thermal input of 8,614,000 kilojoules per hour;
- two (2) natural gas-fired domestic hot water tanks, having a maximum combined thermal input of 317,000 kilojoules per hour;
- six (6) natural gas-fired humidifiers, having a maximum combined thermal input of 1,192,000 kilojoules per hour;
- five (5) natural gas-fired radiant tube heaters, having a maximum combined thermal input of 449,000 kilojoules per hour;
- one (1) natural gas-fired make-up air unit, having a maximum thermal input of 1,478,000 kilojoules per hour;
- three (3) standby diesel-fuelled generator sets, each having a rating of 500 kilowatts, to provide power for the facility during emergency situations; and
- three (3) cooling towers,

all in accordance with the Application for Approval (Air & Noise) dated May 27, 2011 and signed by Michael

Robichaud, Director, Facilities Management, Canadian Blood Services, and all supporting information associated with the application including additional information provided by Pollutech Environmental Limited, dated December 3, 2010, and signed by Scott Anderson.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Certificate" means this Certificate of Approval issued in accordance with Section 9 of the Act;
- (3) "Equipment" means the diesel-fuelled generator sets, cooling towers and combustion equipment described in the Owner's application, this Certificate and in the supporting documentation submitted with the application, to the extent approved by this Certificate;
- (4) "Generator Sets" means the diesel-fuelled generator sets described in the Owner's application, this Certificate and in the supporting documentation submitted with the application, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provide written instructions to staff of the Owner;
- (6) "Ministry" means the Ontario Ministry of the Environment;
- (7) "Owner" means Canadian Blood Services, and includes its successors and assignees;
- (8) "Publication NPC-205" means Ministry Publication NPC-205, Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), October, 1995; and
- (9) "Publication NPC-232" means Ministry Publication NPC-232, Sound Level Limits for Stationary Sources in Class 3 Areas (Rural), October, 1995.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL

1. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Equipment in accordance with the description given in this Certificate, application for approval of the Equipment and the submitted supporting documents and plans and specifications as listed in this Certificate.
2. Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

PERFORMANCE

3. The Owner shall ensure that the noise emissions from the Equipment comply with the limits set out in Publication NPC-205 or NPC-232, as applicable.

OPERATION AND MAINTENANCE

4. The Owner shall restrict the periodic testing of the Generator Sets to the daytime hours from 7:00 am to 7:00 pm.
5. The Owner shall ensure that the Equipment is properly operated and maintained at all times. The Owner shall:
 - (1) prepare, not later than three (3) months after the date of this Certificate or the date of commissioning of the Equipment, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - (b) emergency procedures;
 - (c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
 - (d) all appropriate measures to minimize noise and odorous emissions from all potential sources;
 - (2) implement the recommendations of the Manual; and
 - (3) retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition Nos. 1 and 2 are imposed to ensure that the Equipment is built and operated in the manner in which it was described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition No. 3 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Equipment.
3. Condition No. 4 is included to ensure that the proposed operation, excluding emergency situations, is not extended beyond specific daytime hours to prevent an adverse effect resulting from the operation of the Generator Sets.
4. Condition No. 5 is included to emphasize that the Equipment must be maintained and operated according to

a procedure that will result in compliance with the Act, the regulations and this Certificate. In addition the Owner is required to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

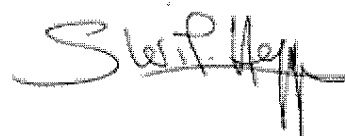
AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 12th day of August, 2011



Sherif Hegazy, P.Eng.
Director
Section 9, *Environmental Protection Act*

KB/

c: District Manager, MOE Halton-Peel District Office
Scott Anderson, Pollutech Environmental Limited

18 2016

Revised Regulations of Ontario 1990, Regulation 347, Paragraph 3 of section 17.2
Paragraphe 3 de l'article 17.2 du Règlement 347, R.R.O. 1990

ST # 136 3-1 100
Lot # 6483 ALU

Huron Peel District Office

Paragraph 3 of Section 17.2 of Regulation 347 states:

The first time that subject waste is stored at the waste generation facility for more than 90 days, a notice must be given to the Regional Director, within five (5) business days after the 90th day of storage, that describes, as accurately as possible, the nature, amount and location of the subject waste stored, or expected to be stored in the future, at the waste generation facility for more than 90 days, and it indicates how frequently subject waste is expected to be stored in the future at the waste generation facility for more than 90 days.

Note: One form for each subject waste.

Vegetable qui est stipulé au paragraphe 3 de l'article 17.2 du Règlement 347 (traduction non officielle):

La première fois qu'un déchet visé est stocké durant plus de 90 jours aux installations du producteur de déchets, un avis doit être remis au directeur de la Direction régionale au plus tard cinq jours ouvrables après le 90^e jour de stockage. Il doit y être décrit, aussi exactement que possible, la nature, la quantité et le lieu du déchet visé qui est stocké ou dont le stockage est prévu plus tard durant plus de 90 jours aux installations du producteur de déchets, et la fréquence à laquelle il est prévu que le déchet visé sera stocké durant plus de 90 jours aux installations du producteur de déchets.

Note: Il faut remettre un questionnaire pour chaque déchet visé.

1. Name of generator / Nom du producteur <i>Buster Canada</i>		2. Generator No. / N° du producteur ON <table border="1"><tr><td>2</td><td>5</td><td>9</td><td>7</td><td>1</td><td>C</td><td>C</td></tr></table>		2	5	9	7	1	C	C
2	5	9	7	1	C	C				
3. Address / Adresse <i>102 Parkshere Dr. Brampton, ON</i>		4. Postal code / Code postal <i>L6T 5M1</i>								
5. Name of contact person / Nom de la personne-ressource <i>Rhonda Tuley</i>		6. Telephone / Téléphone <i>905-784-2461</i>								
7. Waste description / Description des déchets <i>Acid waste other metals</i>		8. Primary characteristic / Caractéristique principale <i>Liquid</i>								
		9. Waste Class / Catégorie de déchet <i>113C</i>								

Description of storage procedure and area / Description du mode et du lieu d'entreposage

11. Indicate container used / Contenant:	Tanks / Réservoirs	Drums / Barils <input checked="" type="checkbox"/>	Other / Autre	Size / Format <i>207L</i>	No. / Numéro <i>1</i>	Type <i>Liquid</i>
12. Is waste stored in a secure area? / Les déchets sont-ils entreposés en lieu sûr?				No / Non	<input checked="" type="radio"/> Yes / Oui	
13. Is the waste storage drum(s) / tank(s) labelled? / Les contenants / réservoirs ou barils sont-ils étiquetés?				No / Non	<input checked="" type="radio"/> Yes / Oui	
14. Will a leak or spill be contained? / Une fuite ou un déversement pourrrent-ils être contenus?				No / Non	<input checked="" type="radio"/> Yes / Oui	
15. Is the storage area facility routinely inspected? / Procède-t-on à des inspections régulières du lieu ou des installations d'entreposage?				No / Non	<input checked="" type="radio"/> Yes / Oui	

16. Reason for retention of the waste / Raison de l'entreposage des déchets
waiting for container to fill before re-visit

17. Will the amount of waste stored change over time? / La quantité stockée changera-t-elle?	No / Non	Amount of waste stored / Quantité stockée <i>326 (kg)</i>
	<input checked="" type="radio"/> Yes / Oui	Anticipated accumulation rate / Taux d'accumulation prévu <i>27 (kg/month / kg/mois)</i>
		Maximum amount to be stored / Quantité maximale à être stockée <i>326 (kg)</i>

18. Anticipated manner of disposal of the waste? / Comment est-il prévu d'éliminer le déchet?
Safety - to be removed and disposed

19. Anticipated time waste will be stored / Durée prévue du stockage
12 (months / mois)

If the subject waste remains in storage for more than 24 months an application must be made to the ministry for a Certificate of Approval. / Si le déchet visé est stocké durant plus de 24 mois, une demande doit être présentée au ministère dans le but d'obtenir un certificat d'autorisation.

20. Do you have a contingency plan in the event of a spill? / Existe-t-il un plan d'urgence en cas de déversement?	No / Non	<input checked="" type="radio"/> Yes / Oui
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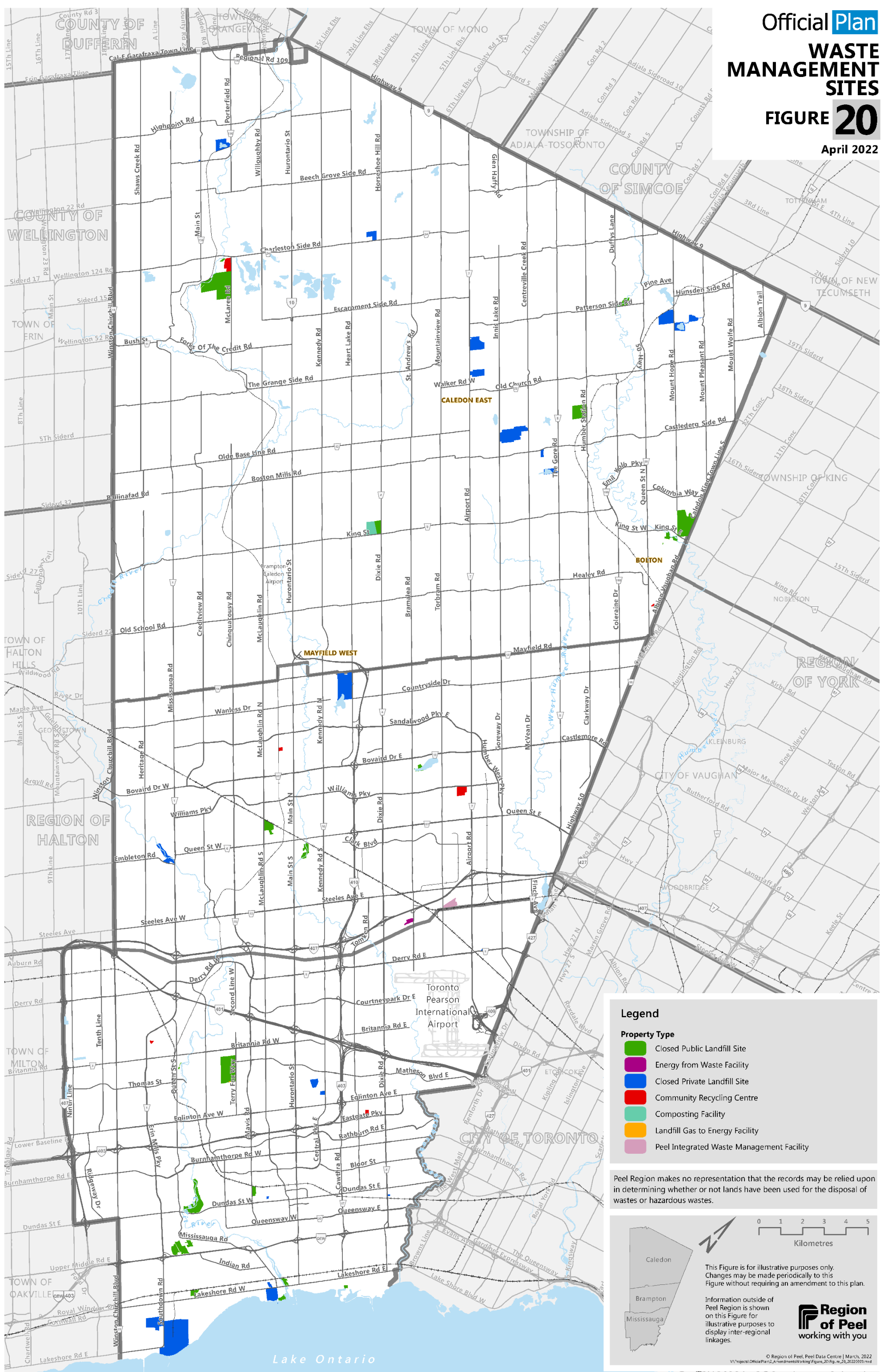
21. Signature of Company Official / Signature du représentant de la compagnie <i>Rhonda Tuley</i>	Print name / Imprimer nom <i>Rhonda Tuley</i>	22. Date / Date <i>Sept 21, 2016</i>
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When completed, this form is to be submitted to the Director in your Region. / Faire parvenir le formulaire au directeur de sa région.

<p>Central Region 5725 Yonge St., 8th Floor North York, Ontario M2M 4J1</p> <p>Région du Centre 5725, rue Yonge, 8^e étage Toronto (Ontario) M2M 4J1</p>	<p>Northern Region 432 James St. S., 4th Floor Thunder Bay, Ontario P7C 5G6</p> <p>Région du Nord-Ouest 435, rue James sud, 4^e étage Thunder Bay (Ontario) P7C 5G6</p>	<p>Eastern Region 1250 Gardiners Road Kingston, Ontario K7P 3J6</p> <p>Région de l'est 133, rue Gardiners Kingston (Ontario) K7P 3J6</p>	<p>Southwestern Region 733 Exeter Road, 2nd Floor London, Ontario N6E 1L3</p> <p>Région du Sud-Ouest 733, rue Exeter, 2^e étage London (Ontario) N6E 1L3</p>	<p>West Central Region 19 King St., 12th Floor Hamilton, Ontario L8P 4Y7</p> <p>Région du Centre-Ouest 19, rue King, 12^e étage Hamilton (Ontario) L8P 4Y7</p>
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**APPENDIX E:
REGION OF PEEL WASTE DISPOSAL SITE INFORMATION**



Legend

Property Type

- Closed Public Landfill Site
- Energy from Waste Facility
- Closed Private Landfill Site
- Community Recycling Centre
- Composting Facility
- Landfill Gas to Energy Facility
- Peel Integrated Waste Management Facility

Peel Region makes no representation that the records may be relied upon in determining whether or not lands have been used for the disposal of wastes or hazardous wastes.

This Figure is for illustrative purposes only. Changes may be made periodically to this Figure without requiring an amendment to this plan.

Information outside of Peel Region is shown on this Figure for illustrative purposes to display inter-regional linkages.

Region of Peel
working with you

**APPENDIX F:
MECP WELL RECORDS**



Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below)

No tag found

Measurements recorded in: Metric Imperial

Page _____ of _____

EMBRIDGE GAS DISTRIBUTION

Well Location

Address of Well Location (Street Number/Name) Embridge Right of Way SW of Finch Ave + 407 Township _____ Lot _____ Concession _____

County/District/Municipality _____ City/Town/Village Brampton Province Ontario Postal Code _____

UTM Coordinates Zone Easting Northing Municipal Plan and Sublot Number

NAD 83 17 6 09500 4843602

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
Abandoned				

Annular Space

Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 21.3	Portland Grout	

Results of Well Yield Testing

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level			
	1			
	Pump intake set at (m/ft)	2	2	
	Pumping rate (l/min / GPM)	3	3	
	Duration of pumping hrs + min	4	4	
	5	5	5	
Final water level end of pumping (m/ft)	10	10		
If flowing give rate (l/min / GPM)	15		15	
	20		20	
Recommended pump depth (m/ft)	25		25	
Recommended pump rate (l/min / GPM)	30		30	
Well production (l/min / GPM)	40		40	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	50		50	
	60		60	

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jelling	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole
<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify	

Construction Record - Casing			Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	
			From	To
/			<input type="checkbox"/> Water Supply	
			<input type="checkbox"/> Replacement Well	
/			<input type="checkbox"/> Test Hole	
			<input type="checkbox"/> Recharge Well	
/			<input type="checkbox"/> Dewatering Well	
			<input type="checkbox"/> Observation and/or Monitoring Hole	
/			<input type="checkbox"/> Alteration (Construction)	
			<input type="checkbox"/> Abandoned, Insufficient Supply	
/			<input type="checkbox"/> Abandoned, Poor Water Quality	
			<input checked="" type="checkbox"/> Abandoned, other, specify	
/			<input type="checkbox"/> Other, specify	

Construction Record - Screen				Status of Well
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
/				<input type="checkbox"/> Abandoned, other, specify
				<input type="checkbox"/> Other, specify

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	/	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

Well Contractor and Well Technician Information

Business Name of Well Contractor Geo-Environmental Well Contractor's Licence No. 6607

Business Address (Street Number/Name) 1 Manswood Crt Municipality Hatton Hill

Province ON Postal Code L7R0A1 Business E-mail Address _____

Bus. Telephone No. (inc. area code) 905 876 3588 Name of Well Technician (Last Name, First Name) Coles Dave

Well Technician's Licence No. 3606 Signature of Technician and/or Contractor [Signature] Date Submitted 2014/12/04

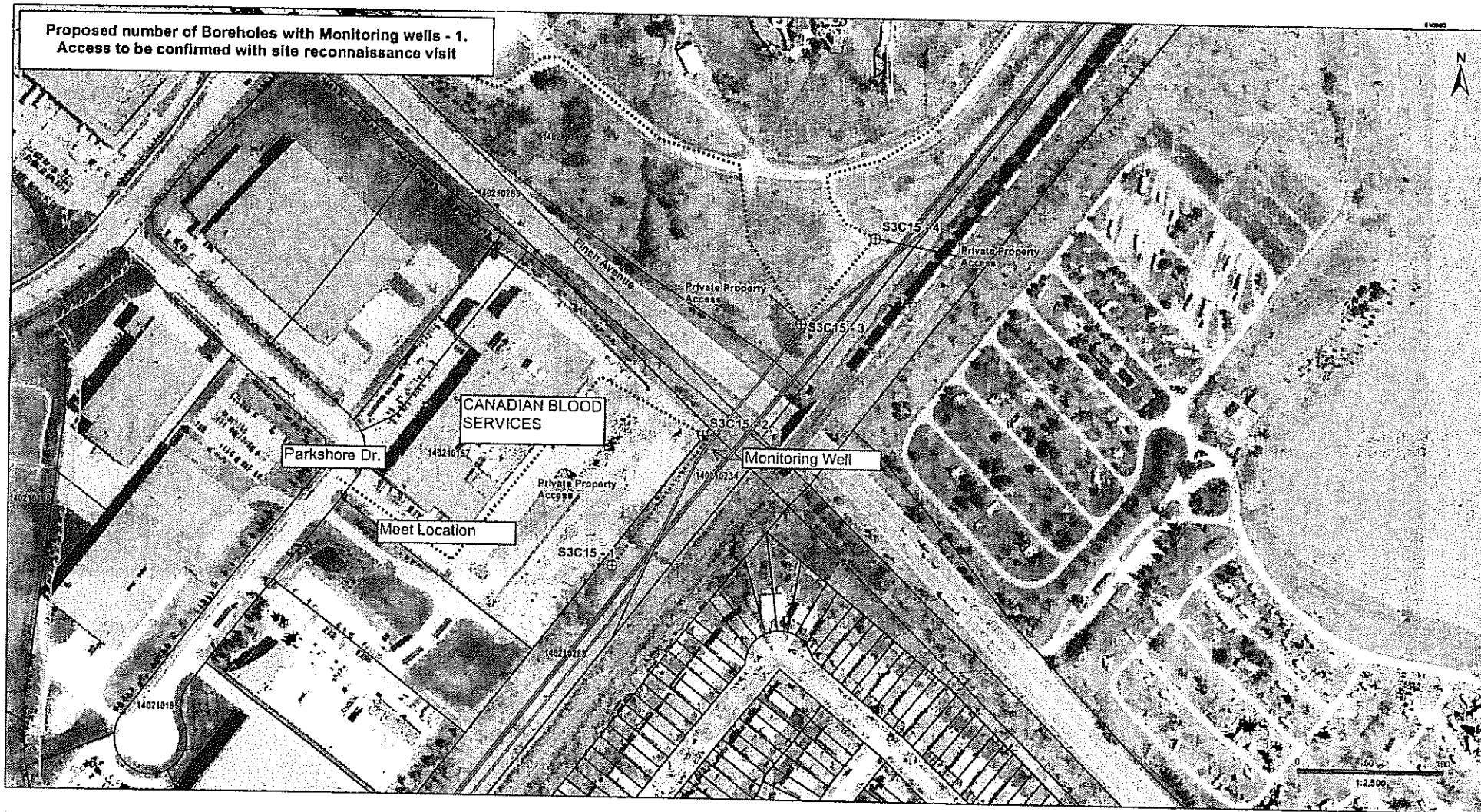
Map of Well Location

Please provide a map below following instructions on the back.

See Attach

Comments: _____

Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered _____	Ministry Use Only
Date Work Completed <u>2014/12/04</u>	Audit No. <u>Z199902</u>	
		JAN 02 2015 Received



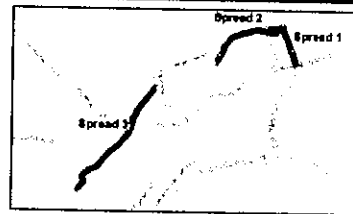
Stantec

Legend

- ⊕ Proposed Borehole
- ▭ Property Parcel
- ⋯ TRCA Regulation Limit
- Enbridge GTA Route
- Spread 3
- EDG Vital Main
- ⋯ Access Route

Notes

1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.
3. Orthorectified © First Base Solutions, 2011.



Client/Project
 Enbridge Gas Distribution Inc.
 Geotechnical / Hydrogeological Investigation
 GTA Project - Pull Forward Engineering

Figure No.
 S3C15

Title
**Proposed Borehole Locations
 S3C15 - Finch Avenue**

JAN 02 2015
 C-6607
 2199907



Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below)

A143103 Abandon

Measurements recorded in: Metric Imperial

Page 1 of 1

ENBRIDGE GAS DISTRIBUTION

Address of Well Location (Street Number/Name) Enbridge Right of Way S/E of Finch Ave + 407 Township _____ Lot _____ Concession _____
 County/District/Municipality _____ City/Town/Village Brampton Province Ontario Postal Code _____
 UTM Coordinates Zone Easting Northing 176098674844028 Municipal Plan and Sublot Number _____ Other _____

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
	Abandoned			
	53C16-3			

Annular Space

Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
0 2.4	Bentonite	
2.4 16	Portland Grout	

Results of Well Yield Testing

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: Pump intake set at (m/ft): Pumping rate (l/min / GPM): Duration of pumping: _____ hrs + _____ min Final water level end of pumping (m/ft): If flowing give rate (l/min / GPM): Recommended pump depth (m/ft): Recommended pump rate (l/min / GPM): Well production (l/min / GPM): Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
50		50		
60		60		

Method of Construction

Cable Tool Diamond
 Rotary (Conventional) Jetting
 Rotary (Reverse) Driving
 Boring Digging
 Air percussion
 Other, specify _____

Well Use

Public Commercial Not used
 Domestic Municipal Dewatering
 Livestock Test Hole Monitoring
 Irrigation Cooling & Air Conditioning
 Industrial
 Other, specify _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
					<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify _____

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		Status of Well
			From	To	
					<input type="checkbox"/> Other, specify _____

Water Details

Water found at Depth 4.62 (m/ft) Kind of Water: Fresh Untested
 Gas Other, specify _____

Water found at Depth _____ (m/ft) Kind of Water: Fresh Untested
 Gas Other, specify _____

Water found at Depth _____ (m/ft) Kind of Water: Fresh Untested
 Gas Other, specify _____

Hole Diameter

Depth (m/ft)	Diameter (cm/in)
0 16	21

Well Contractor and Well Technician Information

Business Name of Well Contractor Geo-Environmental Well Contractor's Licence No. 6607
 Business Address (Street Number/Name) 1 Manswood Crt Municipality Falter Hills
 Province Ont Postal Code L7R0A1 Business E-mail Address _____
 Bus. Telephone No. (inc. area code) 9058763358 Name of Well Technician (Last Name, First Name) Colin Park
 Well Technician's Licence No. 3606 Signature of Technician and/or Contractor _____ Date Submitted 2014/12/05

Map of Well Location

Please provide a map below following instructions on the back.
See Attach

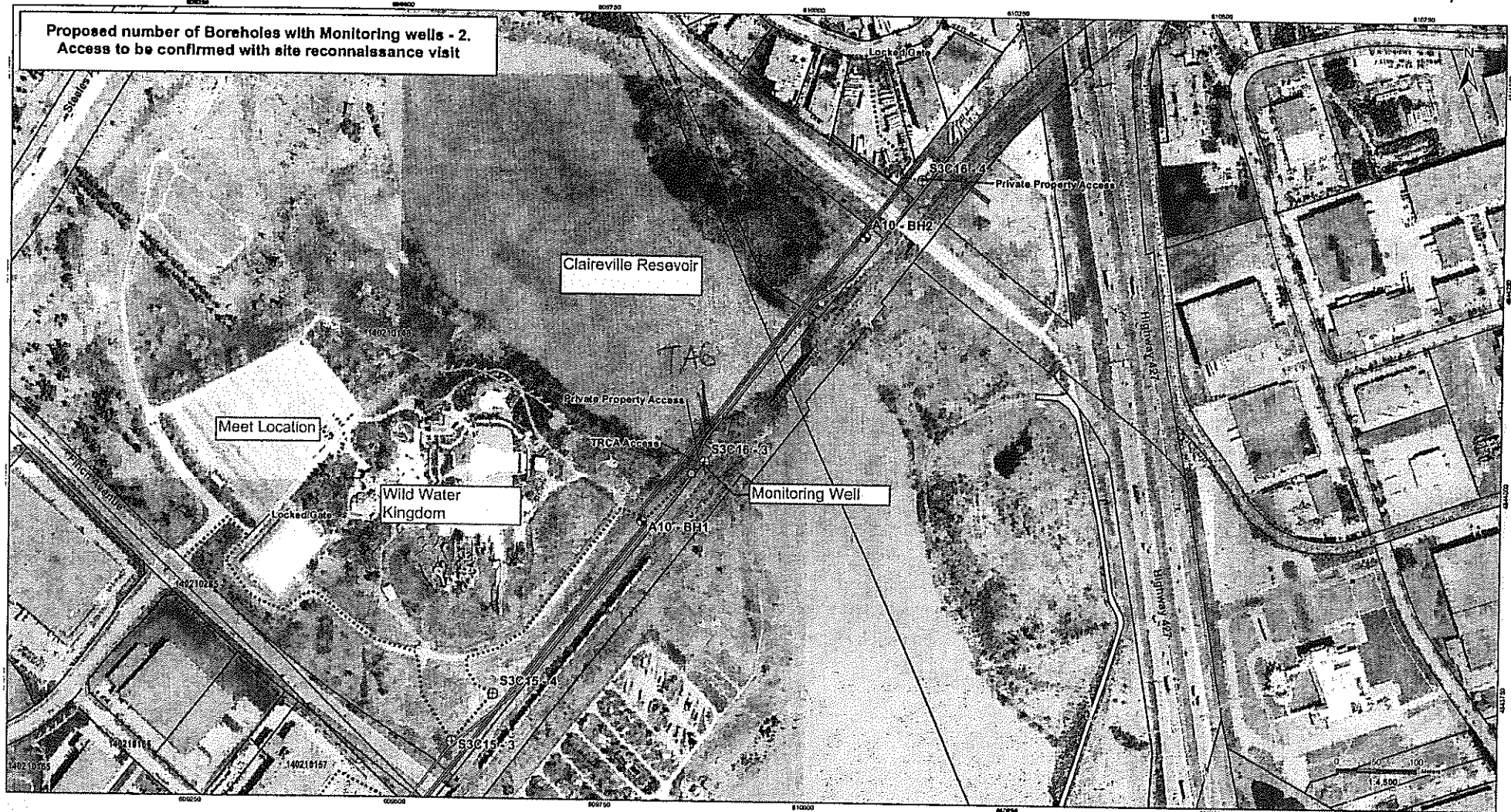
Comments: _____

Well owner's information package delivered Yes No

Date Package Delivered _____
 Date Work Completed 2014/12/05

Ministry Use Only

Audit No. 199904
 Date NOV 2 2015



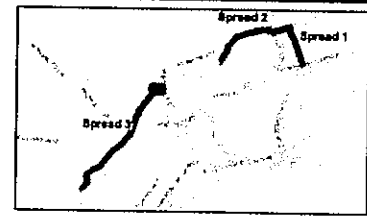
Proposed number of Boreholes with Monitoring wells - 2.
Access to be confirmed with site reconnaissance visit

Legend

- ⊙ Preliminary Borehole
- ⊕ Proposed Borehole
- ⊙ Temporary Equipment
- ⊠ Crossing of EGD Vital Main
- ▭ Property Parcel
- ▭ TRCA Regulation Limit
- ▭ Enbridge GTA Route
- ▭ Spread 3
- ▭ EDG Vital Main
- ▭ Watercourse
- ⋯ Access Route

Notes

1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.
3. Orthorectified © First Step Solutions, 2011.



Client/Project:
Enbridge Gas Distribution Inc.
Geotechnical / Hydrogeological Investigation
GTA Project - Pull Forward Engineering

Figure No.
S3C16

Title
**Proposed Borehole Locations
S3C16 - Claireville Reservoir**

C-6607
JAN 02 2015
2199904

April 2013
13888-021

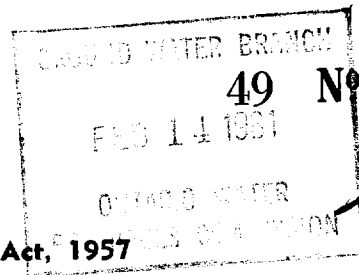
SFM 17 Z 610138 E

59 R 4843 227 N

Elev. 410.5510 FT EAST

Basin 24

lot 13



The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD MISSISSAUGA

County or District Peel

Township, Village, (Town) or City (Toronto Twp)

Well completed 10 Aug 1960 (day month year)

Address Malton

Casing and Screen Record

Inside diameter of casing 4"

Total length of casing 36'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 4"

Pumping Test

Static level 19'

Test-pumping rate 1 G.P.M.

Pumping level 27'

Duration of test pumping 1 day

Water clear or cloudy at end of test Clear

Recommended pumping rate 1 G.P.M.

with pumping level of 27'

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
Top Soil	0	1			
Blue Clay + boulders	1	16			
Sandy-gravel clay	16	36			
Blue shale	36	57	54	35'	Fresh

For what purpose(s) is the water to be used?

Domestic - Farm

Is well on upland, in valley, or on hillside? upland

Drilling Firm Charles E. Snider

Address Woodbridge - R.R.#1

Licence Number 615

Name of Driller Andy Knelsen

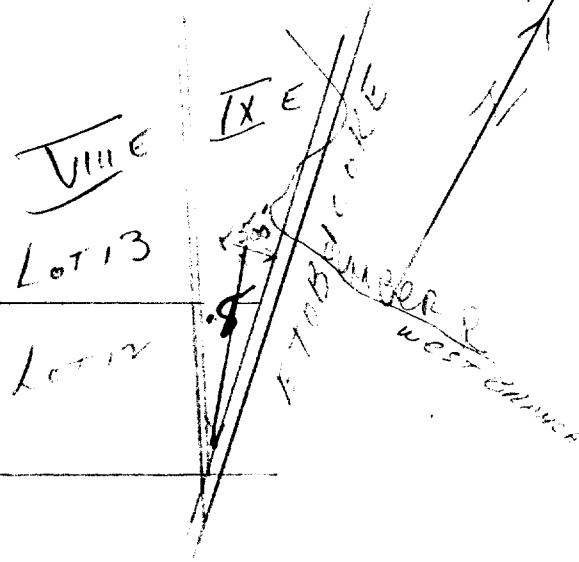
Address Pine Grove

Date Feb 9 - 1961

Charles E. Snider (Signature of Licensed Drilling Contractor)

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Well Owner's Information and Location of Well Information

Ministry Use Only										
MUN									CON	LOT

Address of Well Location (County, District/Municipality) **CLAIREVILLE DAM** Township **VALE** Lot **1** Concession **1**

RR#/Street Number/Name **FINCH & HWY. 427** City/Town/Village **VALEDALE** Site/Compartment/Block/Tract etc.

GPS Reading NAD **83** Zone **17T** Easting **061037** Northing **4843505** Unit Make/Model Mode of Operation: Undifferentiated Averaged Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth Metres Ft.	
				From	To
BROWN	SILT	TILL		0	10'
GREY	SILT	TILL		10	39'
GREY	SHALE	BEDROCK		39'	41'

Hole Diameter			Construction Record				Test of Well Yield					
Depth From	Metres To	Diameter Centimetres	Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	Pumping test method	Draw Down Time min	Water Level Metres	Recovery Time min	Water Level Metres
8 1/4"			Casing <input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized SCH40 0 36' <input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized <input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				 Pumping test method Pump intake set at - (metres) Pumping rate - (litres/min) Duration of pumping ____ hrs + ____ min Final water level end of pumping ____ metres Recommended pump type: <input type="checkbox"/> Shallow <input type="checkbox"/> Deep Recommended pump depth ____ metres Recommended pump rate (litres/min) If flowing give rate - (litres/min) If pumping discontinued, give reason. 					
Water Record Water found at ____ Metres Kind of Water <input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals <input type="checkbox"/> Other: NA <input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals <input type="checkbox"/> Other: NA After test of well yield, water was <input type="checkbox"/> Clear and sediment free <input type="checkbox"/> Other, specify Chlorinated <input type="checkbox"/> Yes <input type="checkbox"/> No			Screen Outside diam 2" <input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized Slot No. .010 36' 41' No Casing or Screen <input type="checkbox"/> Open hole				Recommended pump rate (litres/min) 10 10 15 15 20 20 25 25 30 30 40 40 50 50 60 60					

Plugging and Sealing Record Annular space Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
41'	33'	SILICA SAND	
33'	0'	BENTONITE HOLEPLUG	

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.

SEE ATTACHED

Method of Construction

Cable Tool Rotary (air) Diamond Digging
 Rotary (conventional) Air percussion Jetting Other
 Rotary (reverse) Boring Driving

Water Use

Domestic Industrial Public Supply Other
 Stock Commercial Not used
 Irrigation Municipal Cooling & air conditioning

Final Status of Well

Water Supply Recharge well Unfinished Abandoned, (Other)
 Observation well Abandoned, insufficient supply Dewatering
 Test Hole Abandoned, poor quality Replacement well

Audit No. **Z 11241** Date Well Completed **2005 03 04**

Was the well owner's information package delivered? Yes No Date Delivered **2005 03 04**

Well Contractor/Technician Information

Name of Well Contractor **LANTECH DRILLING SERVICES** Well Contractor's Licence No. **T-6809**

Business Address (street name, number, city etc.) **3661 MOUNT ALBERT RD. SHARON, ON.**

Name of Well Technician (last name, first name) **SINDEN, DAN** Well Technician's Licence No. **T-3166**

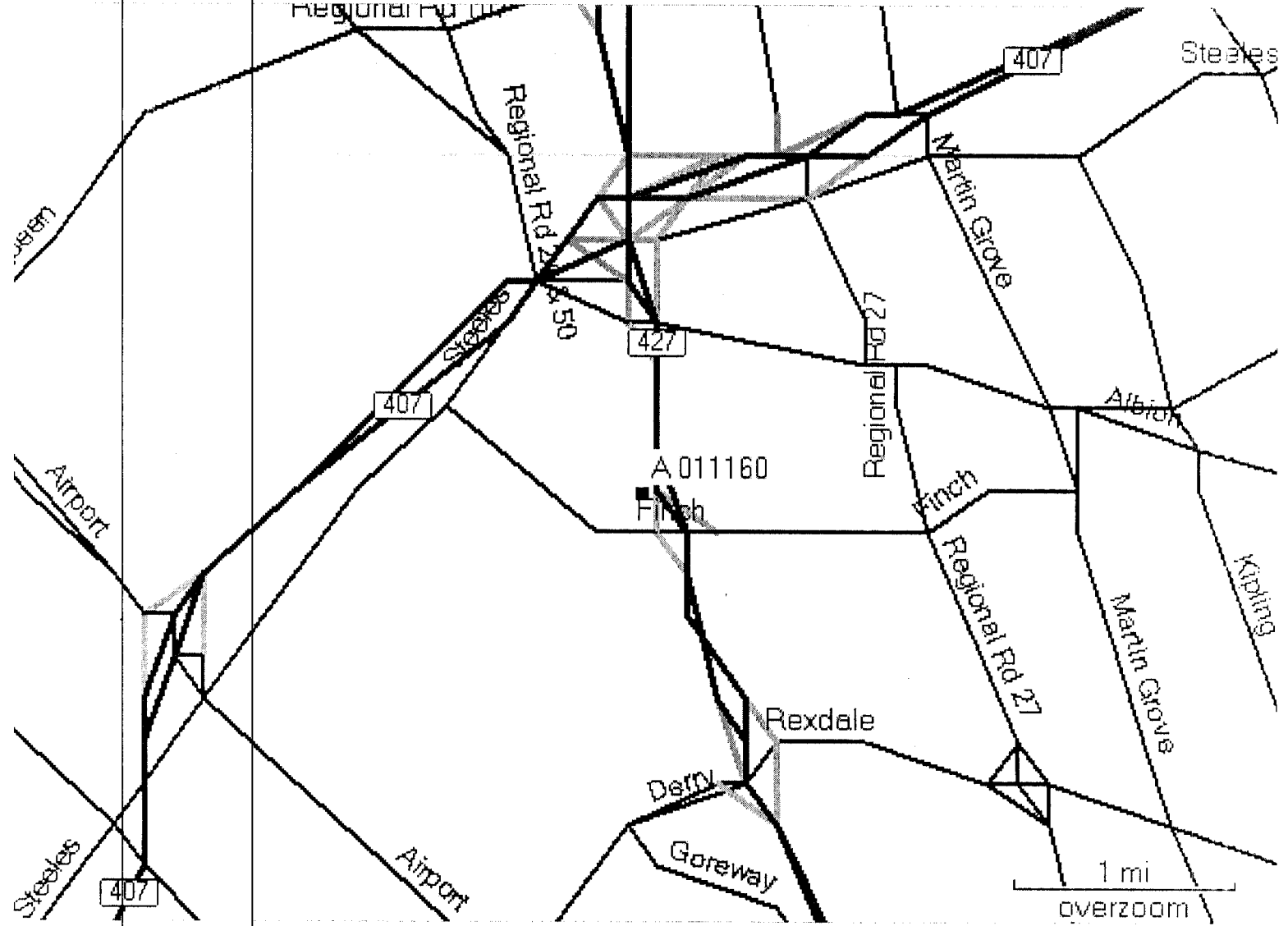
Signature of Technician/Contractor *[Signature]* Date Submitted **2005 03 21**

Ministry Use Only

Data Source Contractor **6809**

Date Received **APR 04 2005** Date of Inspection **2005 03 04**

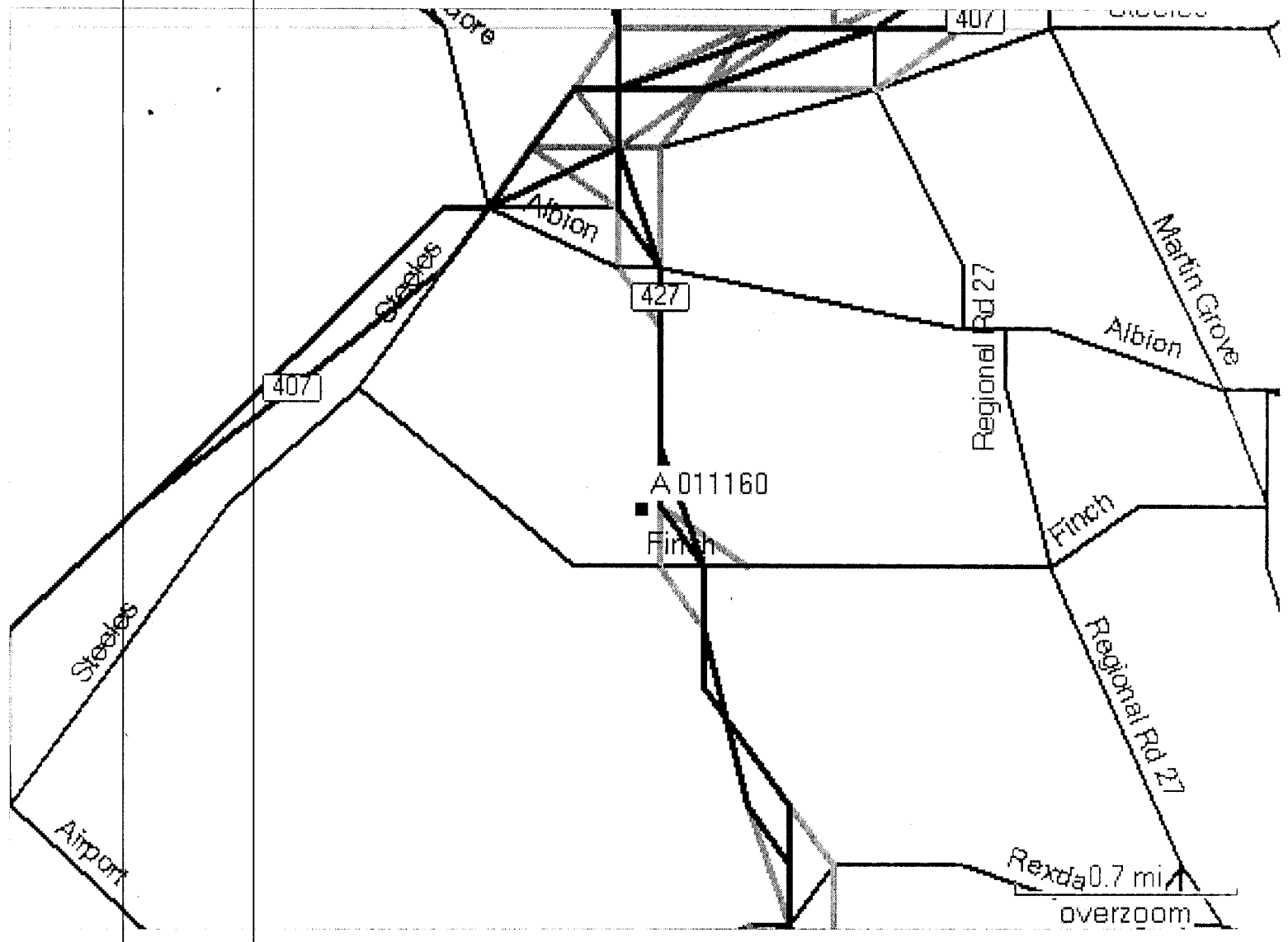
Remarks Well Record Number



Z11241

6809

APR 08 2005



211241

6809

APR 04 2005

A143103

Measurements recorded in: Metric Imperial

Well Owner's Information

First Name: _____ Last Name / Organization: **Stantec Consultants** E-mail Address: _____ Well Constructed by Well Owner

Mailing Address (Street Number/Name): _____ Municipality: **Markham** Province: **ON** Postal Code: _____ Telephone No. (inc. area code): _____

Well Location

Address of Well Location (Street Number/Name): **7855 Finch Ave W.** Township: **Toronto/Mississauga.** Lot: _____ Concession: _____

County/District/Municipality: **Toronto** City/Town/Village: **Toronto/Mississauga.** Province: **Ontario** Postal Code: _____

UTM Coordinates Zone Easting Northing: **NAD 83 176098694844024** Municipal Plan and Sublot Number: _____ Other: _____

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
				From To
Brown	Sand	gravel, clay	Fill	0' 4'
Brown/Grey	clay	silt, sand, gravel	dense.	4' 43'
Grey	sand	silt, clay, gravel	dense	43' 53'

Annular Space

Depth Set at (m/ft) From To: **0' 40'** Type of Sealant Used (Material and Type): **Bentonite chips** Volume Placed (m³/ft³): **7.11**

Method of Construction

Cable Tool Diamond Public Commercial Not used

Rotary (Conventional) Jetting Domestic Municipal Dewatering

Rotary (Reverse) Driving Livestock Test Hole Monitoring

Boring Digging Irrigation Cooling & Air Conditioning

Air percussion Industrial Other, specify _____

Construction Record - Casing

Inside Diameter (cm/in): **2"** Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel): **PVC** Wall Thickness (cm/in): **1/8"** Depth (m/ft) From To: **0' 43'**

Status of Well

Water Supply Replacement Well Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality Abandoned, other, specify _____ Other, specify _____

Construction Record - Screen

Outside Diameter (cm/in): **2 1/8"** Material (Plastic, Galvanized, Steel): **PVC** Slot No.: **10** Depth (m/ft) From To: **43' 53'**

Water Details

Water found at Depth **40' (m/ft)** Kind of Water: Fresh Untested Gas Other, specify _____

Water found at Depth _____ Kind of Water: Fresh Untested Gas Other, specify _____

Water found at Depth _____ Kind of Water: Fresh Untested Gas Other, specify _____

Well Contractor and Well Technician Information

Business Name of Well Contractor: **Terex Drilling Solutions** Well Contractor's Licence No.: **7501**

Business Address (Street Number/Name): **2382 Stouffville rd** Municipality: **Gormley**

Province: **ON** Postal Code: **L0H1G0** Business E-mail Address: **terexdrillingsolutions@gmail**

Bus. Telephone No. (inc. area code): **4167503636** Name of Well Technician (Last Name, First Name): **Santos, Paulo**

Well Technician's Licence No.: **3060** Signature of Technician and/or Contractor: _____ Date Submitted: _____

Results of Well Yield Testing

After test of well yield, water was: Clear and sand free Other, specify _____

If pumping discontinued, give reason: _____

Pump intake set at (m/ft): _____

Pumping rate (l/min / GPM): _____

Duration of pumping: _____ hrs + _____ min

Final water level end of pumping (m/ft): _____

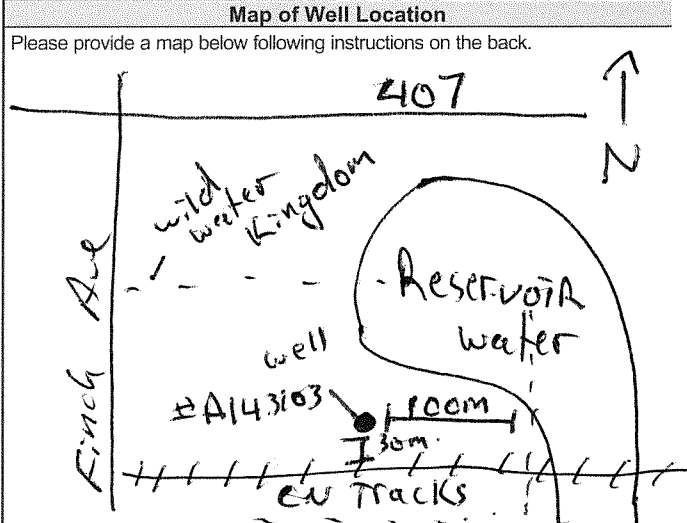
If flowing give rate (l/min / GPM): _____

Recommended pump depth (m/ft): _____

Recommended pump rate (l/min / GPM): _____

Well production (l/min / GPM): _____

Disinfected? Yes No



Comments: _____

Well owner's information package delivered: Yes No

Date Package Delivered: **Y Y Y Y / M M / D D**

Date Work Completed: **20130523**

Ministry Use Only

Audit No.: **Z 165058**

Recd: **JUN 25 2013**

**APPENDIX G:
TECHNICAL STANDARDS AND SAFETY AUTHORITY**

Joanna Olesiuk - GM BluePlan

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Thursday, November 10, 2022 11:11 AM
To: Joanna Olesiuk - GM BluePlan
Subject: RE: TSSA Records check - Brampton Ontario (122062)

Follow Up Flag: Follow up
Flag Status: Flagged

Please refrain from sending documents to head office. The Public Information (PI) team works remotely, mailing in applications will lengthen the overall processing time.

NO RECORD FOUND IN CURRENT DATABASE

Hello Joanna,

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

- We confirm that there are no records in our current database of any fuel storage tanks at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please submit an application for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site.

Please follow the steps below to access the new application(s) and Service Prepayment Portal:

1. Click [Release of Public Information - TSSA](#) - TSSA and click "need a copy of a document";
2. Select the appropriate application, download it and complete it in full; and
3. Proceed to page 3 of the application and click the link TSSA Service Prepayment Portal under payment options (the link will take you the secure site to pay for the release via credit card).

Accessing the Service Prepayment Portal:

1. Select new or existing customer (*if you are an existing customer, you will need your account # & postal code to access your account);
2. Select the program area: AD (Amusement Devices), BPV (Boilers and Pressure Vessels), ED (Elevating Devices), FS (Fuels Services), OE (Operating Engineers) or SKI (Ski Lifts) and click continue;
3. Enter the application form number (obtained from bottom left corner of application form) and click continue;
 - a. When selecting the application form number from the drop-down menu, please make sure you select the application that begins with "PI" (i.e. PI-FS, PI-BPV etc.);
4. Complete the primary contact information section;
5. Complete the fees section;
6. Upload your completed application; and
7. Upload supporting documents (if required) and click continue.

Once all steps have been successfully completed, you will receive your receipt via email.

Questions? Please contact TSSA's Public Information Release team at publicinformationsservices@tssa.org.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind Regards,



Nicola Carty | Public Information Agent

Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3221 | E-Mail: ncarty@tssa.org
www.tssa.org



Winner of 2022 5-Star Safety Cultures Award

From: Joanna Olesiuk - GM BluePlan <Joanna.Olesiuk@gmblueplan.ca>
Sent: November 9, 2022 9:10 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Records check - Brampton Ontario (122062)

[CAUTION]: This email originated outside the organisation.
Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hello,

I am looking for any information TSSA has on file regarding aboveground or underground fuel (gasoline, diesel, oil, waste oil etc.) storage tanks at the following addresses in **Brampton, Ontario**. For addresses listed on Finch Avenue West can you please also search just as Finch Avenue – as in some databases those same addresses are listed at Finch Avenue as opposed to Finch Avenue West in Brampton, Ontario. Thank you.

- 7848 Finch Avenue West / 7848 Finch Avenue, Brampton
- 7855 Finch Avenue West / 7855 Finch Avenue
- 7625 Finch Avenue West / 7625 Finch Avenue
- 100 Parkshore Drive
- 102 Parkshore Drive
- 85 Parkshore Drive
- 80 Parkshore Drive
- 18 Parkshore Drive
- 156 Parkshore Drive
- 5 Parkshore Drive

Thank you.

Joanna Olesiuk, M.A.Sc., C. Tech., P. Geo. (Limited)
Senior Technical Specialist

GM BluePlan Engineering Limited
650 Woodlawn Road West, Block C, Unit 2 | Guelph ON N1K 1B8
t: 519.824.8150 ext. 1253 | c: 519.239.3160
joanna.olesiuk@gmblueplan.ca | www.gmblueplan.ca



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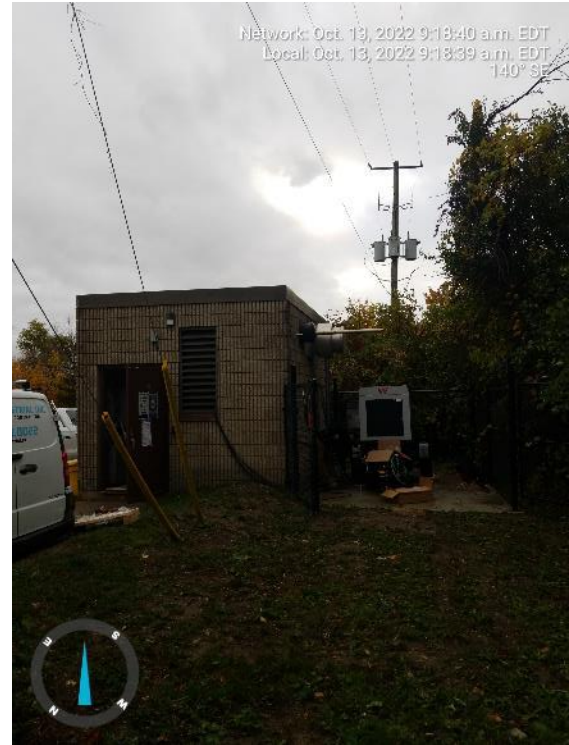
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**APPENDIX H:
SELECT SITE PHOTOGRAPHS**

Finch SPS



Photograph 1: View of Finch SPS control building from Finch Ave West, facing south.



Photograph 2: View of Finch SPS control building and temporary generator from south of Finch Ave W, facing southeast.



Photograph 3
Interior view of Finch SPS control building from front door facing southeast.



Photograph 4: Interior view of Finch SPS control building from front door facing south.



Photograph 5: Exterior view of Finch SPS wet well and CN Rail (back) from west of Finch Avenue West, facing south.



Photograph 6: Interior view of Finch SPS wet well from top hatch, facing down.



Photograph 7: Site area between wet well and control building, from the west side of Finch Avenue West, facing northwest.



Photograph 8: Site area between wet well and control building, from the west side of Finch Avenue West, facing southeast

Adjacent Properties



Photograph 9: View of CN Rail tracks from west of the wet well, facing east



Photograph 10: View of Canadian Blood Services property from public right of way, facing southeast.



Photograph 11: View of Canadian Blood Services property from public right of way, facing southwest.



Photograph 12: View of TRCA Conservation Area easement, from east of Finch Avenue West, facing east.



Photograph 13: View of TRCA Conservation Area easement, facing west towards Finch Avenue West.



Photograph 14: View of Wet 'n' Wild entrance sign and soccer and sports dome (back) from east of Finch Avenue West, facing due east.



Photograph 15: View of Wet 'n' Wild entrance from west of Finch Avenue West, facing east.



Photograph 16: View showing the western exterior of the soccer and sports dome and electrical transformer unit, from east of Finch Avenue West, facing east.



Photograph 17: View of DHL building from west of Finch Avenue West, facing southwest



Photograph 18: View of Enbridge pipeline location, from west of Finch Avenue West, facing west towards a portion of DHL parking lot