Phase One Environmental Site Assessment

6302 and 6314 Ninth Line (Parcels E and F)

Mississauga, Ontario

Prepared For:

Derry Britannia Developments Limited

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1.0 Executive Summary

DS Consultants Ltd. (DS) was retained by Derry Britannia Developments Limited (the "Client") to conduct a Phase One Environmental Site Assessment (ESA) of the Property located at 6302 and 6314 Ninth Line (Parcels E and F), Mississauga, Ontario, herein referred to as the "Phase One Property". DS understands that this Phase One ESA may be used to support the filing of a Record of Site Condition (RSC) as part of the proposed redevelopment of the Phase One Property for residential purposes.

The Phase One Property is a 2.28-hectare (6.98 acres) parcel of land situated within a mixed residential, agricultural and commercial neighborhood in the City of Mississauga, Ontario. The Phase One Property is located approximately 190 m north of the intersection of Ninth Line and Foxwood Avenue.

Parcel E contains one single-story residential building with a basement (Site Building H), constructed in the mid-1960s, located on the eastern portion of the parcel along Ninth Line. A driveshed with one garage door, constructed mainly of aluminum in approximately 1985 (Site Building I), is located behind the residential building. Two wooden storage sheds line the southern portion of the property (Site Buildings J and K). Several shipping containers used for storage were observed on the eastern side of the property. The parcel is surrounded by Parcel F on the south and west sides. A Site Plan depicting the orientation of the buildings on-site is provided in Figure 2.

Parcel F contains seven site buildings including: one wooden residential building with a concreate base that was constructed in approximately the mid-1960s and is located on the eastern portion of the parcel along ninth line (Site Building A). One wooden building used, as an office for Maple Hill Tree services, was constructed in approximately the early 1980s and is located behind the residential home (Site Building B). A shed that was constructed in the mid-1980s and is located on the southern portion of the parcel (Site Building C). Three wooden storage units that were constructed in the mid-2000s and are located on the southern portion of the parcel (Site Buildings D, E, and F). Finally, Site Building G is a drive shed that is located on the northern portion of the parcel. A site location plan depicting the orientation and positron of the buildings is depicted in Figure 2.

Parcel E was historically used as an agricultural field from the mid-1950s to the mid-1960s, when it was repurposed as a vehicle storage facility and residential premises. It is still currently used for this purpose today.

Parcel F were historically used as an agricultural field from the mid-1950s to the mid-1960s. Parcel E was repurposed as a vehicle storage facility in the early 1990s. Parcel F was repurposed into Maple Hill Tree Services in the mid-1980s. Parcel E is currently used for both residential and vehicle storage operations. Parcel F is currently used for both residential and commercial arborist operations.

It is the opinion of DS that the intended future property use (residential) constitutes a more sensitive property use, as defined under O.Reg. 153/04 (as amended) than the current commercial use. Given

that the proposed change in property use is to a more sensitive property use, the filing of a Record of Site Condition (RSC) with the Ontario Ministry of Environment, Conservation and Parks (MECP) will be mandated under O.Reg. 153/04 (as amended).

The Phase One ESA was conducted in general to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04 (as amended). The objectives of the Phase One ESA is to identify the presence or absence of potentially contaminating activities (PCAs) on the Phase One Property and/or within the Phase One Study Area, and to determine if the PCAs identified within the Phase One Study Area are likely to result in an Area of Potential Environmental Concern (APEC) on the Phase One Property. The information obtained by the Phase One ESA will be used to assess whether further investigation in the form of a Phase Two ESA is merited. It should be noted that this Phase One ESA does not include any sampling or testing and is based solely on a review of readily available data, and observations made during the Phase One Site Reconnaissance.

Based on the findings of the Phase One ESA, DS presents the following findings:

- The topography of the Phase One Property is generally flat, with a surface elevation of 190 metres above sea level (masl). The topography within the Phase One Study Area generally slopes to the south, towards a tributary of East Sixteen Mile Creek, located approximately 40 m west of the Phase One Property. The nearest body of water is Osprey Marsh, located approximately 620 m southeast of the Phase One Property. Based on a review of the MECP well records, the depth to groundwater in the vicinity of the Phase One Property is approximately 3.66-7.62m. The shallow groundwater flow direction within the Phase One Study Area is inferred to be south towards a tributary of the East Sixteen Mile Creek.
- Based on a review of the OGS Earth database, the Site is situated within a beveled till plain physiographic region. The surficial geology within the Phase One Study area is described as “fine-textured glaciolacustrine deposits”. The underlying bedrock within the area generally consists of shale, limestone, dolostone, and siltstone of the Queenston Formation. Based on a review of the MECP well records the bedrock in the Phase One Study Area is anticipated to be encountered at an approximate depth of 17.7 metres below ground surface (mbgs).
- A total of nine (9) potentially contaminating activities (PCA) were identified on the Property. The PCAs identified included the presence of a cell tower (with associated diesel tank), the presence of fill material of unknown quality, the presence of seven (7) aboveground storage tanks (ASTs) on the property, generation of waste oils and lubricants, long term storage of boats and vehicles.
- One (1) PCA was identified for the adjoining properties to the north and south of the Phase One Property, in relation to the historical agricultural activity and inferred application of pesticides.

Based on a review of the information available at this time it is concluded that eight (8) PCAs were identified on the Phase One Property which are considered to be contributing to eight (8) APECs in, on, or under the Phase One Property. A summary of the PCAs identified and the associated APECs is provided in Table 1-1 below. Note that the PCA numbers used below are per Table 2, Schedule D of O.Reg. 153/04.

Table 1-1 Summary of APECs Identified on Phase One Property

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
APEC-1	Entire Property	PCA-30: Importation of Fill Material of Unknown Quality -Historical Importation of fill material for grading purposes	On Site	Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, PAHs	Soil
APEC-2	Western portion of Parcel E	PCA-52: Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems -Parcel E was used for vehicle storage and maintenance.	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil and ground water
APEC-3	Western portion of Parcel E	PCA-58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners - Parcel E was registered for waste oils and lubricants in the 1980s and 1990s.	On-Site	PHCs (F1-F4), BTEX, PAHs	Soil
				PHCs (F1-F4), BTEX	Groundwater
APEC-4	Southwest corner of Parcel E	PCA-28: Gasoline and associated products storage in fixed tanks -a generator associated with a cell tower is located on the western side of Parcel E.	On Site	PHCs, PAHs	Soil
APEC-5	South-west central portion of Parcel F in the vicinity	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical	Soil and ground water

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
	of Site Building E	- Historical use and presence of three (3) ASTs identified in the previous reports.		conductivity, Cr (VI), Hg, low or high pH, SAR	
APEC-6	On the south-side of Site Building I on Parcel E	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of two (2) ASTs identified by the previous reports.	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil and ground water
APEC-7	On the south-east exterior of Site Building B on Parcel F	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of one (1) AST identified by the previous reports.	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil and ground water
APEC-8	Within the vicinity of Site Building H on Parcel E	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of one (1) fuel oil AST in the basement of Site Building H identified by the Site Interview.	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil and ground water

The PCAs identified in Table 1-1 above are considered by the Qualified Person (QP) to be contributing to Areas of Potential Environmental Concern on the Phase One Property. The Potential Contaminants of Concern (PCOCs) identified by the QP include PHC (F1-F4), VOCs, Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, and PAHs. Based on the findings of this Phase One ESA, it is concluded that a Phase Two ESA would be required in order to investigate the aforementioned APECs and to assess the environmental soil and groundwater conditions on the Phase One Property. A Record of Site Condition cannot be filed based on the findings of the Phase One ESA.

2.0 Introduction

DS Consultants Ltd. (DS) was retained by Derry Britannia Developments Limited to complete a Phase One ESA of the Property located at 6302 and 6314 Ninth Line (Parcels E and F), Mississauga, Ontario, herein referred to as the "Phase One Property". It is DS's understanding that this Phase One ESA has been requested for due diligence purposes in association with the proposed redevelopment of the Property. DS understands that this Phase One ESA may be used to support the filing of a Record of Site Condition (RSC) as part of the proposed redevelopment of the Phase One Property for residential purposes.

The Phase One ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04 (as amended). The objectives of the Phase One ESA is to identify the presence or absence of potentially contaminating activities (PCAs) on the Phase One Property and/or within the Phase One Study Area, and to determine if the PCAs identified within the Phase One Study Area are likely to result in an Area of Potential Environmental Concern (APEC) on the Phase One Property. The information obtained by the Phase One ESA will be used to assess whether further investigation in the form of a Phase Two ESA is merited. It should be noted that this Phase One ESA does not include any sampling or testing and is based solely on a review of readily available data, and observations made during the Phase One Site Reconnaissance.

It is the opinion of DS that the intended future property use (residential) constitutes a more sensitive property use, as defined under O.Reg. 153/04 (as amended) than the current commercial use. Given that the proposed change in property use is to a more sensitive property use, the filing of a Record of Site Condition (RSC) with the Ontario Ministry of Environment, Conservation and Parks (MECP) will be mandated under O.Reg. 153/04 (as amended).

2.1 Phase One Property Information

The information for the Phase One Property is provided in the following Table.

Table 2-1: Phase One Property Information

Criteria	Information	Source
Legal Description	**Parcel E – 6314 Ninth Line** Part of Lot 7, Concession 9, Trafalgar New Survey, as in 622055 City of Mississauga **Parcel F – 6302 Ninth Line** Part of Lot 7, Concession 9, Trafalgar New Survey, as in 5544998 City of Mississauga	Client
Property Identification Number (PIN)	Parcel E: 24938-0058 (LT) Parcel F: 24938-0057 (LT)	Legal Survey
Municipal Address	6302 and 6314 Ninth Line (Parcels E and F), Mississauga, Ontario	Client
Property Owner	Derry Britannia Developments Limited	Client
Property Owner Contact Information	Eric Mueller (Project Manager) Phone: 416-302-3042	Client
Site Area	2.28-hectares (6.98 acres)	City of Mississauga
Centroid UTM Coordinates	Northing: 599228.8 Easting: 4823928.5 Zone: 17T	Google Earth

2.2 Site Description

The Phase One Property is a 2.28-hectare (6.98 acres) parcel of land, that consists of 6314 Ninth Line and 6302 Ninth Line (herein referred to as Parcels E and F or the Property), situated within a residential, agricultural and commercial neighborhood in the City of Mississauga, Ontario. The Phase One Property is located approximately 190 m north of the intersection of Ninth Line and Foxwood Avenue. Parcel E was occupied by a vehicle storage facility and Parcel F was occupied by Maple Hill Tree Services at the time of this investigation. A Site Location Plan is provided in Figure 1.

For the purposes of this report, Ninth Line is assumed to be aligned in a north-south orientation, and Foxwood Avenue in an east-west orientation. A Plan of Survey for the Phase One Property prepared by JD Barnes, an Ontario Land Surveyor, has been provided under **Appendix A**.

Parcel E contains one single-story residential building with a basement (Site Building H), constructed in the mid-1960s, located on the eastern portion of the parcel along Ninth Line. A driveshed with one garage door, constructed mainly of aluminum in approximately 1985 (Site Building I), is located behind the residential building. Two wooden storage sheds line the southern portion of the property (Site Buildings J and K). Several shipping containers used for storage were observed on the eastern

side of the property. The parcel is surrounded by Parcel F on the south and west sides. A Site Plan depicting the orientation of the buildings on-site is provided in Figure 2.

Parcel F contains seven site buildings including: one wooden residential building with a concreate base that was constructed in approximately the mid-1960s and is located on the eastern portion of the parcel along ninth line (Site Building A). One wooden building used, as an office for Maple Hill Tree services, was constructed in approximately the early 1980s and is located behind the residential home (Site Building B). A shed that was constructed in the mid-1980s and is located on the southern portion of the parcel (Site Building C). Three wooden storage units that were constructed in the mid-2000s and are located on the southern portion of the parcel (Site Buildings D, E, and F). Finally, Site Building G is a drive shed that is located on the northern portion of the parcel. A site location plan depicting the orientation and positron of the buildings is depicted in Figure 2.

3.0 Scope of Investigation

The Phase One ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04, as amended (Phase One ESA requirements). This included:

- A review of reasonably ascertainable records and reports regarding historical and current use, regulatory information, occupancy, and activities for the Phase One Property, including:
  - Physical setting information such as aerial photographs, topographic mapping, available historical maps and drawings;
  - Company records (e.g., site plans, building plans, permit records, production and maintenance records, asbestos surveys, site utility drawings, emergency response and contingency plans, spill reporting plans and records, inventories of chemicals and their usage (e.g. WHMIS), environmental monitoring data, waste management records, inventory of underground and aboveground tanks, environmental audit reports) provided to DS;
  - Geological and hydrogeological information in published government maps and/or reports;
  - A review of information on file with Ecolog ERIS, a commercial database that provides information from numerous private, provincial, and federal environmental databases/registries;
  - Review of fire insurance plans, municipal directory documentation and available environmental reports that are pertinent to the Phase One Property;
  - Regulatory Information, including such as Permits or Certificates of Approval (pertaining to activities that may impact the condition of the property, orders, control orders, or complaints related to environmental compliance that may impact the

condition of the property, and violations of environmental statutes, regulations, by-laws, and permits that may impact the condition of the property;
- Environmental source information including published and online records from Ministry of Environment, Conservation and Parks (MECP), Environment Canada, Technical Standards and Safety Authority (TSSA), and the City of Toronto; and
- The Ontario Ministry of Natural Resources (MNR) Natural Heritage Information Centre database and the Conservation Authority website for information specific to natural areas, such as locations of environmentally sensitive areas or species.

- Interviews with available individuals having knowledge of current and/or past site activities;
- An inspection of the Phase One Property, and the activities on the adjacent properties, including and assessment of the following:
  - The site operations, processes, and waste management currently carried out on the Phase One Property.
  - The neighbouring land uses (i.e. identification of environmentally sensitive neighbours, as well as an assessment of potential off-site sources of contamination);
  - The source of potable water for the Phase One Property and properties within the Phase One Study Area;
  - The potential presence of existing or former above-ground or underground fuel storage tanks (ASTs or USTs);
  - Possible cut and fill operations that may resulted in the importation of fill material of unknown quality;
  - The presence/absence of floor cracks, hydraulic hoists, elevators, sumps and drains;
  - Areas suspected to contain evidence of surficial and sub-surface impacts (e.g. areas of staining);
  - The potential presence of various Designated Substances and building materials including:
    - Friable and non-friable asbestos
    - Urea formaldehyde foam insulation (UFFI)
    - Chlorofluorocarbons (CFCs) in air conditioning and refrigeration equipment
    - PCB-containing materials and electrical equipment
    - Lead-based paint
    - Mould
  - The presence/absence of wells, pits and lagoons, drainage sumps and floor drains, sewage and wastewater disposal pipelines; and
  - General site conditions, including topography and drainage, standing water, right-of-ways, presence of underground utilities, evidence of stained or odorous soils, and stressed vegetation.

- Evaluation of the information and documentation of the results in the form of a Phase One ESA Report.

The objectives of the Phase One ESA are:

1. To assess the environmental condition of the Phase One Property to develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in, or under the Phase One Property;
2. To identify potentially contaminating activities within the Study Area (i.e., areas within 250 m of the Property), and to assess if Areas of Potential Environmental Concern (APECs) exist on the Phase One Property;
3. To identify the Potential Contaminants of Concern associated with the PCAs identified; and
4. To provide a basis for subsequent investigation, if required, based on the findings of the Phase One ESA.

4.0 Records Review

4.1 General

4.1.1 Phase One Study Area Determination

Based on a review of the available historical records and the observations made during the Phase One Site Reconnaissance, no heavy industrial properties or other relevant potentially contaminating activities were observed which were considered to merit expanding the Phase One Study Area. As such the Phase One Study Area was defined by a 250-meter radius around the Phase One Property boundary, in accordance with O.Reg. 153/04 (as amended).

The properties within 250 m of the Phase One Property generally consist of residential and commercial land uses. An assessment of the historical and current use of all properties within the Phase One Study Area was conducted in order to assess for the presence/absence of potentially contaminating activities. A summary of the potentially contaminating activities identified within the Phase One Study Area is provided under **Section 7.2**. A plan depicting the Phase One Study Area limits as well as the current land uses is presented in Figure 2.

4.1.2 First Developed Use Determination

The first developed use of the Phase One Property is considered under O.Reg. 153/04 (as amended) to be either the first use of the Phase One Property in or after 1875 that resulted in the development of a building or structure on the property, or the first potentially contaminating use or activity on the Phase One Property.

The determination of the first developed use of the Phase One Property was based on a review of available aerial photographs, historical maps, city directories, and interviews. Based on the information obtained, the first developed use of the Phase One Property was for residential purposes and occurred between 1956 and 1966.

4.1.3 Fire Insurance Plans

A search of Fire Insurance Plans (FIPs) was undertaken at the Metropolitan Toronto Reference Library and City Toronto's online services. FIPs were reviewed to confirm the building construction, occupancy, and potential fire hazardous with details regarding storage tanks, boilers, transformers, electrical room, etc. No FIPs were available for DS to review at the time of this investigation.

4.1.4 Chain of Title

A chain of title search was not prepared as part of this Phase One ESA as sufficient information regarding the history of the property was available (e.g. EcoLog ERIS, City Directories). It is noted that a chain of title for the Phase One Property from the date of patent to present will be required before an RSC can be filed (if required) for the property.

4.1.5 Environmental Reports

DS reviewed the following environmental report prepared for the Property. The report was provided by the client to DS.

Parcel E

- *"Phase I Environmental Site Assessment, 6314 Ninth Line, Mississauga, Ontario",* prepared for Mattamy Homes, prepared by Sirati and Partners Consultants Limited (SPCL), dated January 25, 2017 (SPCL 2017 Phase I ESA); and
- *"Preliminary Report on Geotechnical Investigation Proposed Residential Development, 6314 Ninth Line, Mississauga, Ontario",* prepared for Mattamy Homes, prepared by Sirati and Partners Consultants Limited (SPCL), dated January 30, 2017 (SPCL 2017 Geotechnical Investigation).

Parcel F

- *"Preliminary Geotechnical Investigation Report Hill Property, 6302 Ninth Line, Milton, Ontario",* prepared for Mattamy Development Corporation, prepared by Shad & Associates Inc., dated September 8, 2008 (Shad & Associates Inc. 2008 Geotechnical Investigation);
- *"Phase I Environmental Site Assessment, 6302 Ninth Line, Mississauga, Ontario",* prepared for Mattamy Development Corporation c/o Shad & Associates Inc., prepared by Pinchin, dated April 15, 2015 (Pinchin 2015 Phase I ESA);

These reports were reviewed in order to assess for the presence of known or suspected PCAs and APECs, and to determine if there are known soil and/or groundwater impacts on the Phase One Property. A summary of the pertinent details of the reports reviewed is provided below:

SPCL 2017 Phase I ESA (Parcel E)

The SPCL 2018 Phase I ESA was reportedly conducted in general accordance with Ontario Regulation 153/04, dated April 15, 2011 (as amended), and included a review of readily available historical records and reasonably ascertainable regulatory information, a Site Reconnaissance, interviews, evaluation of information, and reporting. The following pertinent information was noted by DS:

- The Property was first developed in the 1840s for agricultural use until its redevelopment in the mid 1960s for residential and commercial purposes – mainly storage of trailers, RVs and boats).
- Maintenance of trucks/trailers, including oil changes, regularly occurred in the barn on the property.
- Two above ground diesel storage tanks (ASTs) for use of fueling trailers and RVs are located on the property with no secondary containment.
- Site Building H is heated using natural gas.
- The property was registered with the MECP for industrial liquid waste (waste oils and lubricants) by Salid Investment LTD in the 1980s and 1990s

It was recommended that a Phase Two ESA be completed on the property in order to confirm the quality of the soil and the groundwater at the property for potential contaminants of concern, associated with the current and historical use of the property.

SPCL 2017 Geotechnical Investigation (Parcel E)

The Geotechnical Investigation was reportedly conducted in order to obtain information about the subsurface conditions at borehole locations and from the findings in the boreholes to make preliminary recommendations pertaining of the geotechnical design of underground utilities, roads, and to comment on the foundation conditions for general house construction. The following pertinent information was noted by DS:

- Four boreholes were advanced on the property to a maximum depth of 8.2 mbgs. Monitoring wells were installed in three of the boreholes advanced.
- The site consists of a 75-220 mm thick surficial layer of topsoil. Fill material was encountered in all boreholes from 0.9-2.3 mbgs. A 50mm thick buried layer of topsoil was encountered within the fill material in one of the boreholes encountered. Below the fill material native fill material was encountered 2.3mbgs with a layer of silty clay till underlaying to depths of approximately 4.4-6.1mbgs. Finally, a sandy silt till was encountered until borehole termination depth.
- Groundwater ranged from depths approximately 0.7-6.3 mbgs.

Shad & Associates 2008 Geotechnical Investigation (Parcel F)

The Geotechnical Investigation was reportedly conducted in order to obtain preliminary information about the existing subsurface conditions at the site. The following pertinent information was noted by DS:

- Five boreholes were advance on the property in 2008 to a maximum depth of 5 meters below ground surface (mbgs). Monitoring wells were installed in all boreholes advanced.
- The site consists of a surficial granular fill layer underlain by a topsoil layer, and then a clayey silt/silty clay fill layer approximately 0.1-1mbgs. This was underlain by a silty clay/clayey silt deposit extending approximately 1.8-3.2 mbgs. Some of the boreholes encountered a clayey silt/clayey silt till deposit extending to a depth of 3.9 mbgs or until borehole termination depth. A sandy silt till was encountered in two of the boreholes advanced until termination depth.
- Groundwater was encountered in two of the monitoring wells ranging from 2.4-3.9mbgs. The other three monitoring wells were found to be dry.

Pinchin 2015 Phase I ESA (Parcel F)

The Pinchin 2015 Phase I ESA was conducted in general accordance with CSA document entitled "Phase I Environmental Site Assessment" (CSA Document Z768-01), dated November 2001 (reaffirmed 2006), and included a review of readily available historical records and reasonably ascertainable regulatory information, a Site Reconnaissance, interviews, evaluation of information, and reporting. The following pertinent information was noted by DS:

- Site Building A was constructed circa 1957 on previously undeveloped land.
- The Property has been used for residential and commercial (arborist) purposes since 1957.
- The Property includes seven buildings, the single family residential dwelling was built in 1957, an office and a workshop/storage shed in the late 1970s, a storage building in 2008, a wood storage shed in 2003, another wood storage shed in 2007 with an addition in 2009, and a drive shed in 2014.
- The property was occupied by Maple Hill Tree Services, an arborist company.
- Three double walled above ground storage tanks (ASTs) were present on the property. The tanks were reportedly used to fuel equipment and trucks associated with the business. Additionally, one abandoned single-walled AST was also present on the property.
- Four propane tanks for heating purposes were located by the office and storage shed.
- An in-ground pool was present behind the residential dwelling.
- The property is serviced municipally (water and sewer).

Pinchin concluded that there were no potentially contaminating activities that would result in subsurface soil impacts present on the site. Pinchin recommended that a designated substances

survey be completed prior to any demolition, that the abandoned UST be decommissioned, and the decommissioning of the water wells present on the property. A Phase II ESA was not recommended.

A summary of the potentially contaminating activities observed is provided in Section 7.2.

Previous Report Summary:

Based on a review of the previous reports provided for DS to review, the following conclusions are made:

Parcel E

- Parcel E was used as a commercial storage facility for trailers, RVs, and boats from approximately the early 1960s.
- Maintenance of trucks/trailers, including oil changes, regularly occurred in Site Building I on the parcel.
- Two (ASTs) for use of fueling trailers and RVs are located on the property with no secondary containment.
- The property was registered with the MECP for industrial liquid waste (waste oils and lubricants) by Salid Investment LTD in the 1980s and 1990s.
- Fill material was encountered on the property from approximately 0.9-2.3 mbgs.
- Groundwater ranged from depths approximately 0.7-6.3 mbgs.

Parcel F

- The Property has been used for residential and commercial (arborist) purposes since 1957.
- The Property includes seven buildings, the single family residential dwelling was built in 1957 (Site Building A), an office and a workshop/storage shed in the late 1970s (Site Building B), a storage building in 2008, a wood storage shed in 2003, another wood storage shed in 2007 with an addition in 2009, and a drive shed in 2014.
- The property was occupied by Maple Hill Tree Services, an arborist company.
- Three double walled above ground storage tanks (ASTs) were present on the property. The tanks were reportedly used to fuel equipment and trucks associated with the business. Additionally, one abandoned single-walled AST was also present on the property.
- Four propane tanks for heating purposes were located by the office and storage shed.
- Fill material was encountered from approximately 0.1-1mbgs.
- Groundwater was encountered from 2.4-3.9mbgs.

4.1.6 City Directories

City Directories for the years 1971 to 2001 were reviewed at the Metropolitan Toronto Reference Library. The Phase One Property is first listed in the directories in 1972 for residential use.

Parcel E (6314 Ninth Line) was first listed in the city directories in 1972 for residential purposes and remained listed in the directories for residential use until 1998. Salid Investments Ltd. was not found within the directories.

Parcel F was first listed as residential from 1979-1983. Residential and Maple Tree Services was then listed at the parcel from 1984-1998.

6252 Ninth line was the only adjacent property listed in the City Directories within the Phase One Study Area. It was listed for residential purposes from 1975-1983 and from 1992-1998.

A complete summary of the City Directory listings reviewed has been included under Appendix B. The locations of the historical occupants of potential environmental concern are presented on Figure 3B and are discussed further under Section 7.2.

4.2 Environmental Source Information

4.2.1 Ecolog Eris Report

EcoLog Environmental Risk Information Services Ltd. (ERIS) is an organization that maintains and searches various government and private databases for property-related environmental information.

DS contacted EcoLog Environmental Risk Information Services Ltd. (EcoLog ERIS), an environmental database and information service company, to request a search of government and private records for information pertaining to the Phase One Property and Phase One Study Area. EcoLog searched 15 Federal databases, 37 Provincial databases and 10 private databases. A summary of the databases provide by ERIS is provided in the Table below:

Table 4-1: Summary of Environmental Databases Reviewed

Federal Government Source Databases	Private Source Databases
Contaminated Sites on Federal Land; Environmental Effects Monitoring; Environmental Issues Inventory System; Federal Convictions; Fisheries & Oceans Fuel Tanks; Indian & Northern Affairs Fuel Tanks; National Analysis of Trends in Emergencies System (NATES); National Defense & Canadian Forces Fuel Tanks; National Defence & Canadian Forces Spills; National Defence & Canadian Forces Waste Disposal Sites; National Environmental Emergencies System (NEES); National PCB Inventory; National Pollutant Release Inventory; Parks Canada Fuel Storage Tanks; and Transport Canada Fuel Storage Tanks.	Anderson's Storage Tanks; Anderson's Waste Disposal Sites; Automobile Wrecking & Supplies; Canadian Mine Locations; Canadian Pulp and Paper; Chemical Register; ERIS Historical Searches; Oil and Gas Wells; Retail Fuel Storage Tanks; and Scott's Manufacturing Directory.
Provincial Government Source Databases	
Abandoned Aggregate Inventory; Abandoned Mine Information System; Aggregate Inventory; Borehole; Certificates of Approval; Certificates of Property Use; Commercial Fuel Oil Tanks; Compliance and Convictions; Drill Hole Database; Environmental Activity and Sector Registry; Environmental Compliance Approval; Environmental Registry; Fuel Storage Tank; Fuel Storage Tank – Historic; Inventory of Coal Gasification Plants and Coal Tar Sites; TSSA Historic Incidents; TSSA Incidents; TSSA Pipeline Incidents; TSSA Variances for Abandonment of Underground Storage Tanks;	Inventory of PCB Storage Sites; Landfill Inventory Management Ontario; List of TSSA Expired Facilities; Mineral Occurrences; Non-Compliance Reports; Ontario Oil and Gas Wells; Ontario Regulation 347 waste Generators Summary; Ontario Regulation 347 Waste Receivers Summary; Ontario Spills; Orders; Permit to Take Water; Pesticide Register; Private and Retail Fuel Storage Tanks; Record of Site Condition; Waste Disposal Sites – MECP 1991 Historical Approval Inventory; Waste Disposal Sites – MECP CA Inventory; Wastewater Discharger Registration Database; and Water Well Information System

The ERIS report indicated that there were eight (8) listings for the Phase One Property, and nine (9) listings for the remaining properties within the Phase One Study Area. A copy of the ERIS report has been provided under Appendix C. A summary of the potentially contaminating activities identified in the ERIS report and other pertinent information is provided in the Table below:

Table 4-2: Summary of ERIS Report Findings on Phase One Property

Database/Date	Entry Details
ERIS Historical Search (EHS)	Two EHSs were reported on the Phase One Property. One was conducted for 6314 Ninth Line in December 2016, and the other for 6302 Ninth Line in April 2015, suggesting that previous Phase Ones have been conducted in the past.
Ontario Regulation 347 Waste Generators Summary (GEN)	Salid Investments LTD, on 6314 Ninth Line registered Waste Oils and Lubricants in 1989 and from 1992 to 1998.
Pesticide Register (PES)	Maple Hill Tree Services on 6302 Ninth Line obtained two licences for pesticide operation. Bulk storage of pesticides was not observed on the Property during the Phase One Site Reconnaissance. It is inferred that any pesticide use occurs at off-site locations. The pesticide licenses identified in the ERIS report are not considered by the QP_{ESA} to be a potentially contaminating activity.
Well Water Information System (WWIS)	Three monitoring wells were located on the Phase One Property. Additional details regarding the well construction, lithology encountered, and installation date can be found in the Ecolog ERIS report, enclosed under Appendix C.

Table 4-3: Summary of ERIS Report Findings within Phase One Study Area

Database/Date	Entry Details
Certificate of Approval (CA)	996075 Ontario Inc. located on Ninth Line in Mississauga City received approval for municipal water and municipal sewage on October 14, 1997.
ERIS Historical Search (EHS)	An ERIS historical search was conducted for a property located on 6302 Ninth Line in August 2008, suggesting that previous Phase Ones have been conducted in the past.
Pesticide Register (PES)	Roach Remover Inc. on 3952 Bentridge Road, a residential building approximately 216 m east of the Phase One Property, was registered as a pesticide operator. Central Pest Control Ontario Inc on 6435 Hampden Woods Road, approximately 250 m north of the Phase One Property, obtained three licenses to operate pesticides. The above addresses are both residential buildings and it appears that the registries described above pertain to businesses registered to a home address. As such, these are not considered to be potentially contaminating activities.
Well Water Information System (WWIS)	One monitoring well was located within the Phase One Study area. Additional details regarding the well construction, lithology encountered, and installation date can be found in the Ecolog ERIS report, enclosed under Appendix C.

4.2.2 Ministry of the Environment- Freedom of Information

A request was submitted to the MECP Freedom of Information and Protection of Privacy Office (Appendix D) to determine if there were any environmental incidents or violations associated with

the Phase One Property; whether any Control Orders have been issued; whether there have been any other environmental concerns associated with the property such as complaints, inspections, etc.; whether any environmental investigations have been carried out regarding the subject property; and, to determine if the Ministry's Spills Action Centre's (SAC's) files contain any reported spills that had occurred in the site vicinity. Note that the SAC's database dates back only to 1988 and many of the occurrences on file have only been reported voluntarily. In addition, the MECP was requested to search their files (all years) regarding the following parameters: air emissions, water, sewage, wastewater and pesticides.

Files pertinent to this investigation would include, though are not limited to: regulatory permits, records; material safety data sheets; underground utility drawings; inventories of chemicals, chemical usage and chemical storage areas; inventory of aboveground storage tanks and underground storage tanks; monitoring data, including that done at the request of the MECP; historical and current waste management, receiver and generator records; process, production and maintenance documents related to areas of potential environmental concern; spills/discharge records; emergency and contingency plans; environmental audit reports; site plan of facility showing areas of production and manufacturing.

A response has been received from the MECP. No records were identified for either of the parcels.

4.2.3 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) maintain records related to storage tanks for petroleum related products. The TSSA was contacted to review records related to the Property and Study Area. According to the response received on April 30, 2019 from Ms. Mashtaler of TSSA, no records for the Phase One Property and properties located in the Study Area.

A copy of the correspondence with the TSSA has been appended under Appendix D.

4.2.4 Areas of Natural and Scientific Interest

The Natural Heritage Areas database published by the Ministry of Natural Resources (MNR) was reviewed in order to identify the presence/absence of areas of natural significance including provincial parks, conservation reserves, areas of natural and scientific interest, wetlands, environmentally significant areas, habitats of threatened or endangered species, and wilderness areas. Although the Phase One Property is located within Peel Region, it is still included in the Halton Official Plans until the next publication. The Halton Official Plans and the Mississauga Official Plans were reviewed as part of this assessment.

Conservation Halton confirmed that the Phase One Property is located within the Sixteen Mile Creek Watershed. A natural hazard area was identified, however, no areas of natural or scientific interest were identified within the Phase One Study Area.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs and Historical Mapping

Aerial Photographs for the years 1954, 1966, 1975, 1980, 1985, 1992, 1997, and 2000 were obtained from the City of Mississauga Online Mapping and reviewed as part of this assessment. The County Atlas of Trafalgar was reviewed in order to provide a more historical image from the year 1858 and 1880. Google Earth was used to review satellite imagery from the years 2005, 2009, 2015, and 2018. A summary of pertinent information obtained from the aerial photographs reviewed is presented in the Table below. The supporting documents have been appended under **Appendix E**.

Table 4-4: Summary of Aerial Photographs

Year	Phase One Property	Phase One Study Area
1854	No structures were depicted on the map.	Ninth Line has been constructed at this time. A river is drawn on the map southwest of Parcels E and F.
1880	No structures or orchards were depicted on Parcels E and F	An orchard and building are draw on the east adjacent property (Lot 7, Concession 10) A building is also present just south of the Parcel F on Lot 7, Concession 9.
1954	Parcel E: The parcel appears to have been used for agricultural purposes. Parcel F: The parcel appears to have been used for agricultural purposes.	All surrounding properties appear to have been used for agricultural purposes. The west neighboring properties are not visible in this aerial photograph.
1966	Parcel E: What appears to be a residential building (Site Building H) has been constructed on the east side of the parcel along Ninth Line. Parcel F: There appears to be a residential structure (Site Building A) constructed on the east side of the parcel along Ninth Line.	South: One building has been constructed on the south adjacent property. It appears to be a residential home on an agricultural land. North, East, West: No significant changes.
1975	No significant changes.	South: Another building has been constructed on the south neighboring lands. North, East, West: No significant changes.
1980	Parcel E: No significant changes. Parcel F: A building has been constructed in the south east corner, presumably Site Building B.	No significant changes.
1985	Parcel E: A driveway and a drive shed (Site Building I) appear to have been constructed at this time. Parcel F: One shed (presumably site building C) appears to have been constructed west if Site Building C,	No significant changes.
1992	Parcel E: Some vehicles appear to be stored along the northwest portion of Parcel E. A	Disturbed land is visible along the east adjoining lands. This is inferred to be associated with the development of the residential subdivision.

	pond has been dug next to the shed on the south-central portion of the parcel. Parcel F: Vegetation is present on the west side of the parcel. A pond is also present behind Site Building C in the center of Parcel F.	
1997	No significant changes.	A variety of residential homes have been constructed on the east neighbor properties. The outline of a river is now visible on the west adjacent property.
2000	Parcel E: Vehicle storage is apparent along the central and western portion of the Parcel. Parcel F: More vegetation is present on the western portion of the parcel.	Significant development has occurred. The east adjacent properties are fully developed with a residential subdivision. Foxwood avenue has been constructed at this time. A baseball field, recreational field, and a school has been implemented on the east neighboring lands. The north and south continue to be used for agricultural purposes. The 407 has been constructed at this time.
2005	No significant changes.	No significant changes.
2009	Parcel F: Site Buildings D and F have been constructed at this time.	No significant changes.
2015	No significant changes.	No significant changes.
2018	No significant changes.	No significant changes.

A summary of the potentially contaminating activities observed is provided in Section 7.2.

4.3.2 Topography, Hydrology, Geology

The topography of the Phase One Property is generally flat, with a surface elevation of 190 metres above sea level (masl). The topography within the Phase One Study Area generally slopes to the south, towards a tributary of East Sixteen Mile Creek, located approximately 40 m west of the Phase One Property. The tributary of East Sixteen Mile Creek is the nearest body of water to the Phase One Property. However, Osprey Marsh is indicated as an area of natural significance in the City of Mississauga Official Plans, as it is located approximately 620 m southeast of the Phase One Property, it is not located within the Phase One Study Area. Based on a review of the MECP well records, the depth to groundwater in the vicinity of the Phase One Property is approximately 3.66-7.62m. The shallow groundwater flow direction within the Phase One Study Area is inferred to be south towards a tributary of the East Sixteen Mile Creek.

The Site is situated within a beveled till plain physiographic region. The surficial geology within the Phase One Study area is described as “fine-textured glaciolacustrine deposits”. The underlying bedrock within the area generally consists of shale, limestone, dolostone, and siltstone of the Queenston Formation. Based on a review of the MECP well records (well ID 2806566), the bedrock in the Phase One Study Area is anticipated to be encountered at an approximate depth range of 17.7 to 22.8 meters below ground surface (mbgs).

4.3.3 Fill Materials

According to both previous geotechnical repots, fill material was observed to a maximum depth of 2.3 mbgs on Parcel E and 1.0 mbgs on Parcel F.

4.3.4 Water Bodies and Areas of Natural Significance

During the site visit, a stormwater management pond was observed on both Parcels E and F. Aside from the stormwater management ponds, the nearest body of water to the Phase One Property is the a tributary of the East Sixteen Mile Creek, located approximately 40 m west of the Phase One Property. Environmentally Significant Areas are natural areas that have been identified as significant and worthy of protection on three criteria – ecology, hydrology and geology. Municipalities has developed policies to protect natural heritage features. The Region uses Environmentally Significant Areas as a means to protect natural areas like wetlands, fish habitat, woodlands, habitat of rare species, groundwater recharge and discharge areas, and Areas of Natural and Scientific Interest.

The Property includes no Areas of Natural Significance. Additional details are provided in Section 4.2.4 above.

4.3.5 Well Records

Water well records were also searched as part of the EcoLog ERIS database query. Based on a review of the MECP well records and the EcoLog ERIS Report, three (3) monitoring wells are present on the Phase One Property, and one monitoring well for observation purposes was located within the Phase One Study Area.

All wells identified were for observation or test purposes. However, there is one well for domestic use located approximately 400m south of the Phase One Property. The previous Phase I ESA completed for Parcel F indicated that potable wells were still present on the Property. During the

Additional detail regarding the well construction, lithology encountered, and well purpose is included in the ERIS report provided under Appendix C.

4.4 Site Operating Records

The Property includes several structures including an office (Site Building B) on Parcel F for Maple Hill Tree Services – a small arborist company established in the early 1950s. Parcel E contained a driveshed where minor maintenance of boats and vehicles is reported to have occurred. Parcel E also appears to have been used for storage of boats and vehicles. No operating records were available.

5.0 Interviews

5.1 Personnel Interviewed

Phase One Interviews were previously conducted by Pinchin for Parcel R

The following persons with the knowledge of the Property were interviewed or provided the required information.

Table 5-1: Summary of Personnel Interviewed

Parcel	Date	Name	Affiliation	Position	Method of Interview
E	May 8, 2019	Eric Mueller and David Hegarty	Property Owner	Project Manager	Questionaire
	May 15, 2019	Anonymous	Tenant	Tenant	In-Person Interview
F	May 8, 2019	Eric Mueller and David Hegarty	Property Owner	Project Manager	Questionaire
	May, 16, 2019	Anonymous	Tenant	Tenant	In-Person Interview

5.2 Interviewee Rationale

Mr. Mueller and Mr. Hegarty employees of the current owner of the site and are considered the most knowledgeable people regarding the historical site operations. The anonymous persons interviewed are tenants on both sites that have been residing on the parcels for a number of years. The Phase One Interview was conducted under the supervision of Mr. Patrick Fioravanti, B.Sc., P.Geo., QP_{ESA}.

5.3 Results of Interview

The following summarizes the information that was provided by the site representative, based on their knowledge of site activities.

Parcel E

- The Phase One Property has been owned by Derry Britannia Developments Limited since April 20, 2017.
- The Phase One Property was previously owned by Cornelius Marinus Palo.
- The Phase One Property is currently used for residential and storage purposes.
- According to the tenant, two storage tanks were previously located next to the drive shed and were removed.
- According to the tenant, the property operated as a vehicle storage facility and will be closing on June 30, 2019.
- According to the tenant the heating in Site Building H switched from fuel oil to natural gas approximately 30 years ago.
- The tenant informed DS Personnel that the ASTs were removed in 2016.
- The tenant informed DS Personnel that Parcel E was purchased in 1980 and then sold to Derry Britannia Developments Ltd. in 2017.

- The tenant informed DS that a fuel oil AST was previously present in the basement of Site Building H and was removed in the early 1980s when the heating was converted into natural gas.

Parcel F

- The Phase One Property has been owned by Derry Britannia Developments Limited since April 6, 2017.
- Parcel F was previously owned by Gregory James Hill, James William Hill, and Jean Tolmie Hill.
- The current property use is for residential purposes.
- According to the tenant, fuel tanks were previously located on the parcel and have since been removed.

Parcels E and F

- Mr. Mueller and Mr. Hegarty had no knowledge of any pesticides/herbicides, or hazardous material used or stored on the Property.
- The owners had no knowledge of any chemical spills occurring on the property.
- According to the owners, it is likely that the property has water/wastewater services and underground utilities, the locations were unknown.
- No knowledge of fires and fill material were reported by Mr. Mueller and Mr. Hegarty.
- The owners had no knowledge of activities that would affect the environmental quality of the property on the property or those adjoining.

DS compared the information obtained through the Phase One Interview with the information obtained from the historical records for the Site. The information provided by the interviewee was corroborated by the historical records, as such DS has no concern regarding the accuracy of the information provided.

6.0 Site Reconnaissance

6.1 General Requirements

Table 6-1: Site Reconnaissance Notes

Information	Details
Date of Investigation:	May 3, 2019
Time of Investigation:	1:00 pm.
Weather Conditions:	9 °C, Overcast
Duration of Investigation:	2 hours
Facility Operation:	Vehicle Storage Facility, Maple Hill Tree Serves, and Vehicle Storage Facility

Name and Qualification of Person(s) conducting the assessment	Aphrodite Koseos, B.Sc., EPt. under the supervision of Patrick Fioravanti, B.Sc., P.Geo., QP_{ESA}
Limitations	None.

6.2 Specific Observations at Phase One Property

The Site Reconnaissance involved a visual assessment of the Phase One Property for the purpose of identifying potential PCAs, and associated APECs. Photographs of the Phase One Property were taken at the time of the Site Reconnaissance and have been included under Appendix F.

Table 6-2: Summary of Site Reconnaissance Observations

General	
i. Description of structures and other improvements, including the number and age of buildings	Parcel E: One single story residential building with a basement (Site Building H) was located on the east side of the property. Two storage sheds (Site Buildings J and K), a drive shed (Site Building I), and three shipping containers were located behind the residential structure. Parcel F: Seven (7) site buildings including: one wooden residential building with a concreate base that was constructed in approximately the mid-1960s and is located on the eastern portion of the parcel along ninth line (Site Building A). One wooden building used, as an office for Maple Hill Tree services, was constructed in approximately the early 1980s and is located behind the residential home (Site Building B). A shed that was constructed in the mid-1980s and is located on the southern portion of the parcel (Site Building C). Three wooden storage units that were constructed in the mid-2000s and are located on the southern portion of the parcel (Site Buildings D, E, and F). Finally, Site Building G is a partially demolished driveshed that is located on the northern portion of the parcel.
ii. Description of the number, age and depth of below-ground structures	Parcel E: Site Building H contains one level of basement. No other below ground structures were observed at the time of the Site Reconnaissance. Parcel F: Site Building A contains one level of basement. No other below ground structures were observed at the time of the Site Reconnaissance.
iii. Details of all tanks, above and below ground at the Phase One Property, including the material and method of construction of the tank, tank age, tank contents, tank volume, and whether in use or not	No tanks were observed on Parcels E and F during the time of this investigation.

iv.	Potable and non-potable water sources	Parcel E: One abandoned water well was observed in the back yard of Site Building H. Parcel F: One abandoned water well was observed in the backyard if Site Building A.
Underground Utilities and Corridors		
i.	Type and location of underground utility and service corridors, such as sewer, water, electrical or gas lines located on, in or under the Phase One Property.	Parcel E: A cell tower was located on the west side of the property. Sewers were observed along Ninth Line. A natural gas meter was observed on the south side of Site Building H. The house is serviced by overhead hydro located on the roof of Site Building H. Underground hydro was present near the cell tower on the western portion of Parcel E. Parcel F: Sewers were located along Ninth Line. A natural gas meter and air conditioning unit was observed on the east side of Site Building A.
Features of Structures and Buildings at the Phase One Property		
i.	Entry and exit points	Parcel E: One driveway leads to the back of the property. Site Building H has a main entrance off of Ninth Line on the east side of the building. Parcel F: Site building A contained a main entrance facing Ninth Line on the east side of the building. A side door entrance was located on the north side of the building. A back door was located on the west side of the building.
ii.	Details of existing and former heating systems, including type and fuel source	Parcel E: A natural gas meter is located on the south side of Site Building H. Abandoned exit pipes were seen on the south side of the house. Parcel F: A natural gas meter is located on the east side of the Site Building A.
iii.	Details of cooling systems, including type and fuel source, if any	None observed.
iv.	Details of any drains, pits and sumps, including their current use, if any, and former use	Parcel E: A stormwater sump pump was located within the southwest corner of the basement in Site Building H. Parcel F: A stormwater sump was located within the southwest corner in the basement of Site Building A.
v.	Details of any unidentified substances	Parcel E: None Observed. Parcel F: None observed.
vi.	Details, including locations of stains or corrosion on floors other than from water, where located near a drain, pit, sump, crack or other potential discharge location	None observed.
vii.	Details, including locations, of current and former wells, including all wells described or defined in or under the *Ontario Water Resources Act* and the *Oil, Gas and Salt Resources Act*	Parcel E: Two monitoring wells (MECP Well IDs A214715 and A214717) and one abandoned domestic well were located behind Site Building H on Parcel E. Parcel F: One abandoned domestic well was observed behind Site Building A.

viii.	Details of sewage works, including their location	None observed.
ix.	Details of ground surface, including type of ground cover, such as grass, gravel, soil or pavement	Parcel E: The driveway was paved with concrete in front of Site Building H. Concrete blocks surrounded the perimeter of Site Building H. Grass was growing in the front and backyard of Site Building H. A gravel road was lain from the driveway to the back of Parcel H. A gravel lot was located throughout the western portion of the lot. Parcel F: A gravel parking lot was located in front of Site Building A leading from Ninth Line. Several dirt paths were observed leading to the various site buildings. A gravel lot was located within the Vicinity of Site Buildings C-G. Gras was observed all over the parcel.
x.	Details of current or former railway lines or spurs and their locations	None observed.
xi.	Areas of stained soil, vegetation or pavement	None observed.
xii.	Stressed vegetation	None observed.
xiii.	Areas where fill and debris materials appear to have been placed or graded	Fill may have been placed under gravel and pavement covered areas on both parcels.
xiv.	Potentially contaminating activity	Parcel E: The property was used as a commercial vehicle storage facility. Several vehicles, boats, and other transportation machines were present behind the residential structure on the property. A petroleum sheen was observed on the north side of Site Building I. No ASTs were observed at the time of Site Reconnaissance. Parcel F: No ASTs were observed at the time of Site Reconnaissance.
xv.	Details of any unidentified substances found at the Phase One Property	Parcel E: A petroleum sheen was observed in a puddle on the north side of Site Building I. Parcel F: None observed.
Enhanced Investigation Property		
Where subsection 13(3) applies to the Phase One Property, provide the documentation referred to in subsection 13(3)		In order to be classified as an enhanced investigation property, the Phase One Property must be used or have been used in whole or in part for any of the following uses: ◆ Any industrial use ◆ As a garage ◆ As a bulk liquid dispensing facility, including a gasoline outlet ◆ For the operation of dry cleaning equipment Based on the records reviewed the Phase One Property does not appear to have been used for the aforementioned purposes, and therefore is not considered to be an enhanced investigation property.
Hazardous Materials		

i.	Asbestos containing materials	Asbestos and asbestos-containing materials were used as insulation and construction materials until being phased out in the late 1970s. Based on the age of the site buildings, some of which was constructed prior to 1980s, there is a potential for asbestos insulation and asbestos-containing construction materials to be present in the site building. Specific materials identified during the site inspection which may potentially contain asbestos include, pipe insulation, boiler jacket, stucco walls, vinyl or linoleum floor tiles, etc.
ii.	Lead containing materials	The use of lead as a base in paints and plumbing solder was phased out in the late 1970s. Based on the age of the building prior to 1970s, there is a potential for lead solder and paint to be present in the site buildings.
iii.	PCB materials and equipment	Prior to the mid- to late-1970s, PCBs were used in the manufacture of electrical equipment, including fluorescent light ballasts. The Property was constructed in the mid 1960s
iv.	Urea Formaldehyde Foam Insulation (UFFI)	Urea-Formaldehyde Foam Insulation (UFFI) was introduced in Canada during the 1970s and was banned in 1980. No record of UFFI was available for the subject building. Entry into the building was not permitted, however, the potential for UFFI to be present on the property is considered to be low.
v.	Ozone Depleting Substances (ODS)	None observed.
vi.	Herbicides and Pesticides	During the site inspection no material containing herbicides or pesticides were observed to be stored at the building, however, entry into the buildings on-Site was not permitted.
vii.	Mould	Mould could be present in the buildings on-Site, however, entry into the building was not permitted. The investigation, did not include a mould testing.
viii.	Mercury	Based on the age of the building, there is potential for mercury to be present in fluorescent lights. Mercury with small quantity could be present inside the electrical switches or thermostats, however, entry into the building was not permitted.
ix.	acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, silica, vinyl chloride	These items were not observed at the Property. The presence of the special attention items in building/construction materials were investigated through observations made by DS and does not necessarily imply adverse impact to the environmental condition of the property.
x.	Pits and Lagoons	None observed.
xi.	Air Emissions	None observed.

xii. Radioactive Materials & Radon Gas	Based on local geological formations in the area, it is unlikely the site is exposed to natural sources of radiation such as radon or uranium. Manmade sources of radioactive materials were not observed during the site inspection. A radiometric survey was not conducted during this investigation.

6.3 Written Description of Investigation

The site reconnaissance included a visual inspection of the Phase One Property to confirm current conditions and identify any current land uses or activities, which may have or may cause environmental impacts. The adjoining and neighbouring properties were observed from the Phase One Property and publicly accessible areas.

At the time of the Site Reconnaissance the land use within the Phase One Study Area was primarily (residential, commercial, industrial, parkland, etc.), as described in the table below:

Table 6-3: Summary of Site Reconnaissance Observations within Phase One Study Area

Observation	Details
Phase One Property	Parcel E: A residential building and vehicle storage lot were located on the parcel at the time of the site reconnaissance. The parcel was used for vehicle storage purposes. A petroleum sheen was observed within a puddle located on the north side of Site Building I. The orientation of the Site Buildings is depicted on Figure 2. Parcel F: Several site buildings were located on the property, as well as piles of wood and saw dust. Commercial trucks were driving in and out of the property at the time of site reconnaissance. The property was used for commercial purposes for operations by Maple Tree Services as well as residential purposes. The orientation of the Site Buildings is depicted on Figure 2.
North Adjacent Property	The north adjacent property was occupied by an agricultural field at the time of the site reconnaissance.
East Adjacent Property	The east adjacent Property was occupied by residential buildings at the time of the site reconnaissance and was used for residential purposes.
South Adjacent Property	The south adjacent Property is occupied by 6288 Ninth Line, a residential building at the time of site reconnaissance and was used for residential purposes.
West Adjacent Property	The west adjacent Property was occupied by am undeveloped portion of land associated with 6288 Ninth Line. Highway 407 and a tributary of the East Sixteen Mile Creek is located beyond the boundaries of 6288 Ninth Line.
Water Bodies	Parcel E: A stormwater management pond was located behind Site Building H. A drainage stream leading from the pond to a ditch on the south side of the parcel was observed. Parcel F: A stormwater management pond is located on the western side of the parcel behind Site Building B.

Observation	Details
Areas of Natural Significance	Osprey Marsh was located 620m southeast of the Phase One Property, however, this is outside of the Phase One Study Area.

Photographs illustrating the Phase One Property and adjacent properties are provided under Appendix F. A summary of the potentially contaminating activities observed is provided in Section 7.2. A visual depiction of the PCAs identified within the Phase One Study Area is provided under Figure 3B.

7.0 Review and Evaluation of Information

7.1 Current and Past Uses

Current and past uses of the Phase One Property have been inferred based on the information provided in the aerial photographs, chain of title, city directories and conversations with the site representative. Summary of Current and Past Uses of the Phase One Property is presented in the Appendix G.

7.2 Potentially Contaminating Activity

According to the Table 2, Schedule D, O. Reg. 153/04 as amended, potentially contaminating activities are activities that may contributing to areas of potential environmental concern on the Phase One Property. The PCAs identified on the Phase One Property and within the Phase One Study Area are summarized in the table below and are illustrated on Figure 3B.

Table 7-1: Summary of PCAs

PCA Item.	PCA Description (Per. Table 2, Schedule D of O.Reg. 153/04)	Description	Contributing to APEC (Y/N)
1	PCA-30: Importation of Fill Material of Unknown Quality	The previous geotechnical investigations identified fill material on both parcels.	Yes – APEC-1
2	PCA-28: Gasoline and associated products storage in fixed tanks	A total of three (3) ASTs were previously reported adjacent to Site Building E on Parcel F.	Yes – APEC-5
3	PCA-28: Gasoline and associated products storage in fixed tanks	A total of two (2) ASTs were previously reported adjacent to Site Building I on Parcel E.	Yes – APEC-6
4	PCA-28: Gasoline and associated products storage in fixed tanks	One (1) AST and one propane tank were previously reported adjacent to Site Building A on Parcel F.	Yes – APEC-7
5	PCA-28: Gasoline and associated products storage in fixed tanks	A generator is present adjacent to the cell tower observed on the western portion of Parcel E.	Yes – APEC-3
6	PCA-28: Gasoline and associated products storage in fixed tanks	One (1) fuel oil AST was historically located in the basement of Site	Yes – APEC-8

PCA Item.	PCA Description (Per. Table 2, Schedule D of O.Reg. 153/04)	Description	Contributing to APEC (Y/N)
		Building H according to the Site Interviews.	
7	PCA-58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	6314 Ninth Line (Parcel E) was registered with the MECP for waste oils and lubricants in the 1980s and 1990s, as identified in the previous reports and the EcoLog ERIS Report.	Yes – APEC-3
8	PCA-52: Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems	6314 Ninth Line (Parcel E) was used as a vehicle and boat storage facility, identified by the previous reports and confirmed by the site reconnaissance.	Yes – APEC-2
9	PCA-40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, and Bulk Storage	The north adjacent property and south neighboring lands were used for agricultural purposes. It is anticipated that glyphosate, or a similar product, was used. This compound has a tendency to adsorb strongly to soils and is not expected to leach into non-target areas.	No – Due to the off-site use.

N/S - not specified in Table 2, Schedule D, of O.Reg. 153/04

7.3 Areas of Potential Environmental Concern

The table of APECs presented in the form as approved by the Director is provided below, in accordance with clause 16(2)(a), Schedule D, O.Reg. 153/04.

Table 7-2: Summary of APECs

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
APEC-1	Entire Property	PCA-30: Importation of Fill Material of Unknown Quality -Historical Importation of fill material for grading purposes	On Site	Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, PAHs	Soil
APEC-2	Western portion of Parcel E	PCA-52: Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr	Soil and ground water

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
		-Parcel E was used for vehicle storage and maintenance.		(VI), Hg, low or high pH, SAR	
APEC-3	Western portion of Parcel E	PCA-58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners - Parcel E was registered for waste oils and lubricants in the 1980s and 1990s.	On-Site	PHCs (F1-F4), BTEX, PAHs	Soil
				PHCs (F1-F4), BTEX	Groundwater
APEC-4	Southwest corner of Parcel E	PCA-28: Gasoline and associated products storage in fixed tanks -a generator associated with a cell tower is located on the western side of Parcel E.	On Site	PHCs, PAHs	Soil
APEC-5	South-west central portion of Parcel F in the vicinity of Site Building E	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of three (3) ASTs identified in the previous reports.	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil and ground water
APEC-6	On the south-side of Site Building I on Parcel E	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of two (2) ASTs identified by the previous reports.	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil and ground water
APEC-7	On the south-east exterior of Site Building B on Parcel F	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of one (1) AST identified by the previous reports.	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil and ground water
APEC-8	Within the vicinity of Site	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks	On Site	PHC (F1-F4), VOCs	Soil and ground water

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
	Building H on Parcel E	- Historical use and presence of one (1) fuel oil AST in the basement of Site Building H identified by the Site Interview.		Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	

The rationale used by the QP in assessing the information obtained through the course of this investigation to determine whether PCAs exist and/or are contributing to an APEC on the Phase One Property has been provided in the proceeding sections. In general the potential for a PCA to be contributing to an APEC on the Phase One Property was assessed using the likelihood of the source to contaminate the Phase One Property, the possibility of the contaminants to migrate to the Phase One Property based on the hydraulic and geologic conditions, and the inherent properties of the contaminants of concern.

The contaminants of potential concern were determined based on the professional experience of the QP, common industry standards, literature reviews, and the inherent properties of the contaminant.

This investigation was conducted based on the assumption that all information provided to DS was factual and accurate. DS is not aware of any uncertainty factors which would affect the conclusions of this investigation.

7.4 Phase One Conceptual Site Model

A Conceptual Site Model was developed for the Phase One Property, located at 6302 and 6314 Ninth Line (Parcels E and F), Mississauga, Ontario. The Phase One Conceptual Site Model is presented in Drawings 3A, 3B, and 4 and visually depict the following:

- Any existing buildings and structures
- Water bodies located in whole, or in part, on the Phase One Study Area
- Areas of natural significance located in whole, or in part, on the Phase One Study Area
- Water wells at the Phase One Property or within the Phase One Study Area
- Roads, including names, within the Phase One Study Area
- Uses of properties adjacent to the Phase One Property
- Areas where any PCAs have occurred, including location of any tanks
- Areas of Potential Environmental Concern

7.4.1 Potentially Contaminating Activity Affecting the Phase One Property

All PCAs identified within the Phase One Study Area are presented on Figure 3B, and discussed in Section 7.2 above. The PCAs which are considered to contribute to APECs on, in or under the Phase One Property are summarized in the table below:

Table 7-2: Summary of PCAs Contributing to APECs

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
APEC-1	Entire Property	PCA-30: Importation of Fill Material of Unknown Quality -Historical Importation of fill material for grading purposes	On Site	Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, PAHs	Soil
APEC-2	Western portion of Parcel E	PCA-52: Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems -Parcel E was used for vehicle storage and maintenance.	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil and ground water
APEC-3	Western portion of Parcel E	PCA-58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners - Parcel E was registered for waste oils and lubricants in the 1980s and 1990s.	On-Site	PHCs (F1-F4), BTEX, PAHs	Soil
				PHCs (F1-F4), BTEX	Groundwater
APEC-4	Southwest corner of Parcel E	PCA-28: Gasoline and associated products storage in fixed tanks -a generator associated with a cell tower is located on the western side of Parcel E.	On Site	PHCs, PAHs	Soil
APEC-5	South-west central portion of Parcel F in the vicinity	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical	Soil and ground water

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
	of Site Building E	- Historical use and presence of three (3) ASTs identified in the previous reports.		conductivity, Cr (VI), Hg, low or high pH, SAR	
APEC-6	On the south-side of Site Building I on Parcel E	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of two (2) ASTs identified by the previous reports.	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil and ground water
APEC-7	On the south-east exterior of Site Building B on Parcel F	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of one (1) AST identified by the previous reports.	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil and ground water
APEC-8	Within the vicinity of Site Building H on Parcel E	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of one (1) fuel oil AST in the basement of Site Building H identified by the Site Interview.	On Site	PHC (F1-F4), VOCs Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil and ground water

N/S - not specified in Table 2, Schedule D, of O.Reg. 153/04

7.4.2 Contaminants of Potential Concern

A summary of the contaminants of potential concern identified for each respective APEC is presented in Table 7-1 above. The following contaminants of potential concern were identified for the Phase One Property: PHCs, VOCs, BTEX, Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, PAHs, PCBs.

7.4.1 Underground Utilities and Contaminant Distribution and Transport

Underground utilities can affect contaminant distribution and transport. Trenches excavated to install utility services, and the associated granular backfill may provide preferential pathways for horizontal contaminant migration in the shallow subsurface.

Underground utilities were identified at the Phase One Property, including water, natural gas, electrical, and sewer services to the residential dwelling. Plans were not available to confirm the depths or presence of utilities leading to the residential dwelling; however, they are estimated to be installed at depths ranging from 2 to 3 metres below ground surface.

The groundwater on the property is located approximately 3.66-7.62 mbgs, therefore utility corridors do not have the potential to act as preferential pathways for contaminant distribution and transport in the event that shallow subsurface contaminants exist at the Phase One Property.

7.4.2 Geological and Hydrogeological Information

The topography of the Phase One Property is generally flat, with a surface elevation of 190 metres above sea level (masl). The topography within the Phase One Study Area generally slopes to the south, towards a tributary of East Sixteen Mile Creek, located approximately 40 m west of the Phase One Property. The nearest body of water is Osprey Marsh, located approximately 620 m southeast of the Phase One Property. Based on a review of the MECP well records, the depth to groundwater in the vicinity of the Phase One Property is approximately 3.66-7.62m. The shallow groundwater flow direction within the Phase One Study Area is inferred to be south towards a tributary of the East Sixteen Mile Creek.

The Site is situated within a beveled till plain physiographic region. The surficial geology within the Phase One Study area is described as “fine-textured glaciolacustrine deposits”. The underlying bedrock within the area generally consists of shale, limestone, dolostone, and siltstone of the Queenston Formation. Based on a review of the MECP well records (well ID 2806566), the bedrock in the Phase One Study Area is anticipated to be encountered at an approximate depth range of 17.7 to 22.8 meters below ground surface (mbgs).

7.4.3 Uncertainty and Absence of Information

DS has relied upon information obtained from federal, provincial, municipal, and private databases, in addition to records and summaries provided by EcoLog ERIS. All information obtained was reviewed and assessed for consistency, however the conclusions drawn by DS are subject to the nature and accuracy of the records reviewed.

All reasonable inquiries were made to obtain reasonably accessible information, as mandated by O.Reg.153/04 (as amended). All responses to database requests were received prior to completion of this report. This report reflects the best judgement of DS based on the information available at the time of the investigation.

Information used in this report was evaluated based on proximity to the Phase One Property, anticipated direction of local groundwater flow, and the potential environmental impact on the Phase One Property as a result of potentially contaminating activities.

The QP has determined that the uncertainty dose not affect the validity of the Phase One ESA Conceptual Site Model or the conclusions of this report.

8.0 Conclusions

8.1 Phase Two Environmental Site Assessment Requirement

DS conducted a Phase One ESA for the property located at 6302 and 6314 Ninth Line (Parcels E and F), Mississauga, Ontario. The Phase One ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04 (as amended). The objectives of the Phase One ESA was to identify the presence or absence of potentially contaminating activities (PCAs) on the Phase One Property and/or within the Phase One Study Area, and to determine if the PCAs identified within the Phase One Study Area are likely to result in an Area of Potential Environmental Concern (APEC) on the Phase One Property.

Based on the information obtained as part of this investigation, it is concluded that eight (8) PCAs were identified within the Phase One Study Area which are considered to be contributing to eight (8) APECs on, in or under the Phase One Property. Further investigation in the form of a Phase Two ESA will be required in order to meet the requirements of O.Reg.153/04 (as amended).

8.2 RSC Based on Phase One Environmental Site Assessment

Record of Site Condition cannot be filed on the basis of the Phase One ESA due to the identification of Areas of Potential Environmental Concern on the Phase One Property.

8.3 Limitations

This report was prepared for the sole use of Derry Britannia Developments Limited and is intended to provide an assessment of the environmental condition on the property located at 6302 and 6314 Ninth Line (Parcels E and F), Mississauga, Ontario. The information presented in this report is based on information collected during the completion of the Phase One Environmental Site Assessment by DS Consultants Ltd. The material in this report reflects DS' judgment in light of the information available at the time of report preparation. This report may not be relied upon by any other person or entity without the written authorization of DS Consultants Ltd. The scope of services performed in the execution of this investigation may not be appropriate to satisfy the needs of other users, and any use or reuse of this documents or findings, conclusions and recommendations represented herein, is at the sole risk of said users.

The information and conclusions presented in this report are professional opinions in accordance with generally accepted engineering and scientific practices based on a cursory historical search, visual observations and limited information provided by persons knowledgeable about past and current activities on this site. The work completed as per the scope of work is considered sufficient

in detail to form a reasonable basis for the findings presented in this report. As such, DS Consultants Ltd. cannot be held responsible for environmental conditions at the site that was not apparent from the available information.

8.4 Qualifications of the Assessors

Ms. Aphrodite Koseos, B.Sc., EPt.

Ms. Koseos is an Environmental Technician with DS Consultants Ltd. Aphrodite holds a Bachelor of Science Degree from Simon Fraser University with a major in Environmental Science and a specialization in Earth Systems. Aphrodite is also registered as an environmental professional in training with ECO Canada. Aphrodite has had several years of experience in the environmental sector conducting Phase One and Phase Two Environmental Site Assessments.

Mr. Patrick (Rick) Fioravanti, B.Sc., P.Geo., QP_{ESA}

Mr. Fioravanti an Environmental Project Manager with DS Consultants Limited. Patrick holds a Honours Bachelor of Science with distinction in Toxicology from the University of Guelph and is a practicing member of the Association of Professional Geoscientists of Ontario (APGO). Patrick has over seven years of environmental consulting experience and has conducted and/or managed over 100 projects in his professional experience. Patrick has extensive experience conducting Phase One and Phase Two Environmental Site Assessments in support of brownfields redevelopment in urban settings, and been involved in numerous remediation projects, supported many risk assessments, and successfully filed Records of Site Condition with the Ministry of Environment, Conservation and Parks. He has conducted work across southern and eastern Ontario, and Quebec in his professional experience. Patrick is considered a Qualified Person to conduct Environmental Site Assessments as defined by Ontario Regulation 153/04 (as amended).

8.5 Signatures

DS Consultants Ltd. conducted this Phase One Environmental Site Assessment and confirms the findings and conclusions contained within this report.

Yours truly,

DS Consultants Ltd.

Aphrodite Koseos, B.Sc., EPt.
Environmental Technician

Rick Fioravanti, B.Sc., P.Geo., QP_{ESA}
Environmental Project Manager

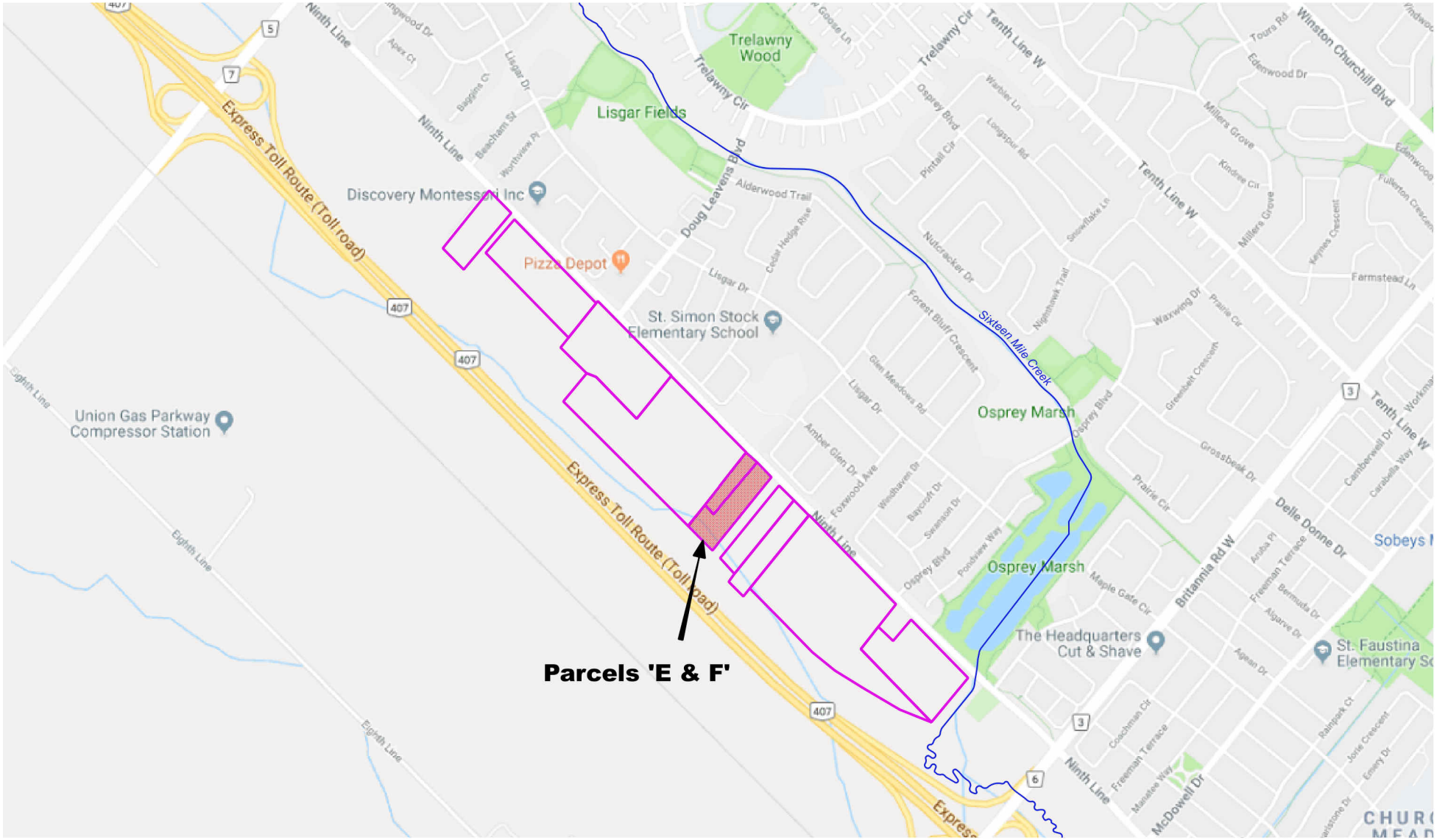
9.0 References

- Ontario Regulation 153/04 Records of Site Condition — Part Xv.1 of The Act
- Natural Resources Canada Toporama http://atlas.gc.ca/toporama/en/index.html
- Environment Canada, National Pollutant Release Inventory
- Ontario Ministry of the Environment Hazardous Waste Information Network https://www.hwin.ca/hwin/
- Ontario Ministry of the Environment, Certificate of Approval search
- Ontario Ministry of the Environment, Brownfields Environmental Site Registry https://www.ontario.ca/page/ministry-environment-and-climate-change
- Ontario Ministry of the Environment, Inventory of Coal Gasification Plan Waste Sites in Ontario, 1987
- Ontario Ministry of the Environment, Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, 1998
- Ontario Ministry of the Environment, Inventory of PCB Storage Sites, 1994-2004
- Waste Disposal Site Inventory, 1991
- Ministry of Environment, Conservation and Parks-Freedom of Information
- Technical Standards and Safety Authority – Fuel Safety Division inquiry
- Ontario Geological Survey, 2013. Quaternary Geology of Ontario. Ontario Geological Survey, scale 1:100,000.
- Ontario Ministry of Northern Development and Ontario Geological Survey, 1991. Bedrock Geology of Ontario, Southern Sheet; Ontario Geological Survey, Map 2544, scale 1:1,000,000.
- Ontario Ministry of Natural Resources. Quaternary Geology of Toronto and Surrounding Area. Scale 1:100,000. Map number 2204.
- Historical Maps, aerial photos and Ontario Base Map
- City Directories from 2001 back to 1900
- City of Toronto online-services
- Environmental Risk Information Services (Ecolog ERIS Report)
- City of Mississauga Maps http://www6.mississauga.ca/missmaps/maps.aspx
- *"Preliminary Geotechnical Investigation Report Hill Property, 6302 Ninth Line, Milton, Ontario",* prepared for Mattamy Development Corporation, prepared by Shad & Associates Inc., dated September 8, 2008 (Shad & Associates Inc. 2008 Geotechnical Investigation)
- *"Phase I Environmental Site Assessment, 6302 Ninth Line, Mississauga, Ontario",* prepared for Mattamy Development Corporation c/o Shad & Associates Inc., prepared by Pinchin, dated April 15, 2015 (Pinchin 2015 Phase I ESA)

- *"Phase I Environmental Site Assessment, 6314 Ninth Line, Mississauga, Ontario",* prepared for Mattamy Homes, prepared by Sirati and Partners Consultants Limited (SPCL), dated January 25, 2017 (SPCL 2017 Phase I ESA)
- *"Preliminary Report on Geotechnical Investigation Proposed Residential Development, 6314 Ninth Line, Mississauga, Ontario",* prepared for Mattamy Homes, prepared by Sirati and Partners Consultants Limited (SPCL), dated January 30, 2017 (SPCL 2017 Geotechnical Investigation).

Figures

J:\-GIS\18-692-100 Ninth Line_Mattamy Development\1-QGIS\Parcel E and F\Figure 1 - Site Location Plan-EF.qgs



Legend

- Site Boundary
- Parcel 'E & F' Boundary

0 250 500 m

N

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Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
6302 and 6314 Ninth Line, Mississauga, ON

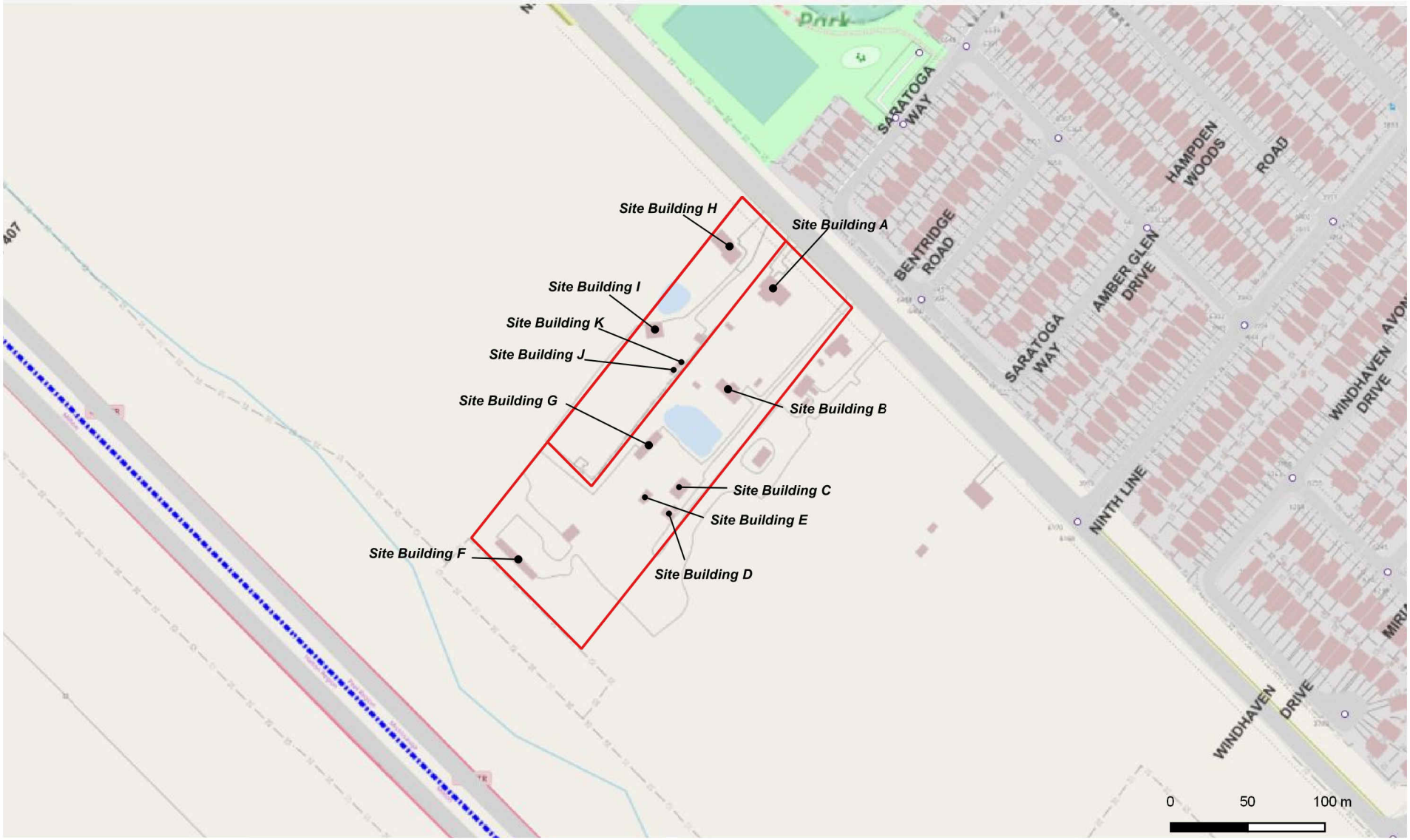
Title: **SITE LOCATION PLAN**

Client: MATTAMY DEVELOPMENT CORPORATION

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	R.F	S.Y	May 2019
Rev: 0	Scale: As Shown	Project No.: 18-692-100	Figure No.: 1

Image/Map Source: *Google Street Map*

J:\-GIS\18-692-100 Ninth Line_Mattamy Development\1-QGIS\Parcel E and F\Figure 2 - Phase One Property Site Plan.qgs



Legend

Parcels 'E & F' Boundary

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6302 and 6314 Ninth Line, Mississauga, ON

Title: **PHASE ONE PROPERTY SITE PLAN**

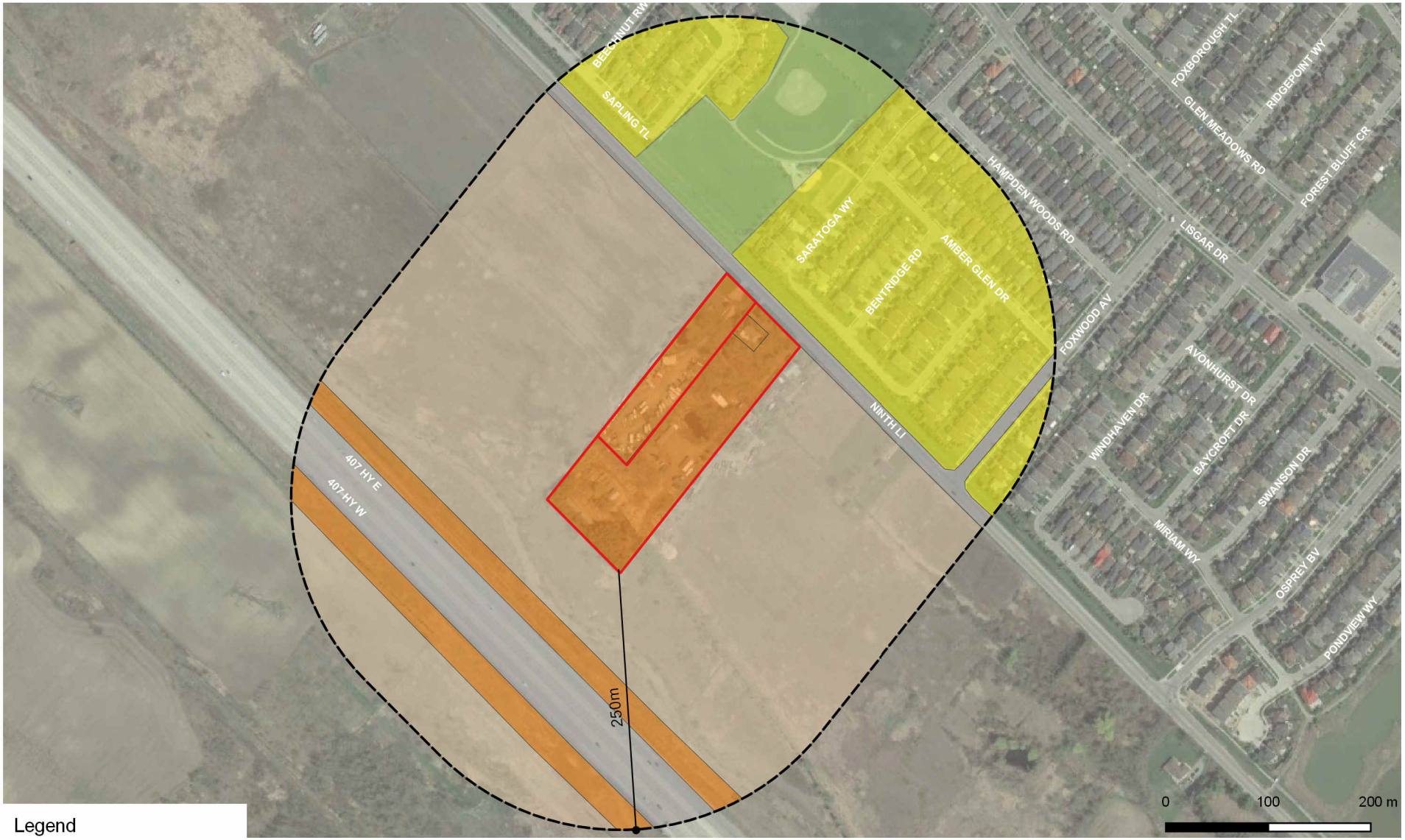
N

Client: DERRY BRITANNIA DEVELOPMENTS LTD.

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	R.F	S.Y	May 2019
Rev: 0	Scale: As Shown	Project No.: 18-692-100	Figure No.: 2

Image/Map Source: *Image from City of Mississauga Interactive Map*

J:\-GIS\18-692-100 Ninth Line_Mattamy Development\1-QGIS\Parcel E and F\Figure 3A - Phase One Study Area.qgs



Legend

- Parcels 'E & F' Boundary
- 250m Buffer
- Residential
- Commercial
- Agricultural
- Parkland

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Client: DERRY BRITANNIA DEVELOPMENTS LTD.

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
6302 and 6314 Ninth Line, Mississauga, ON

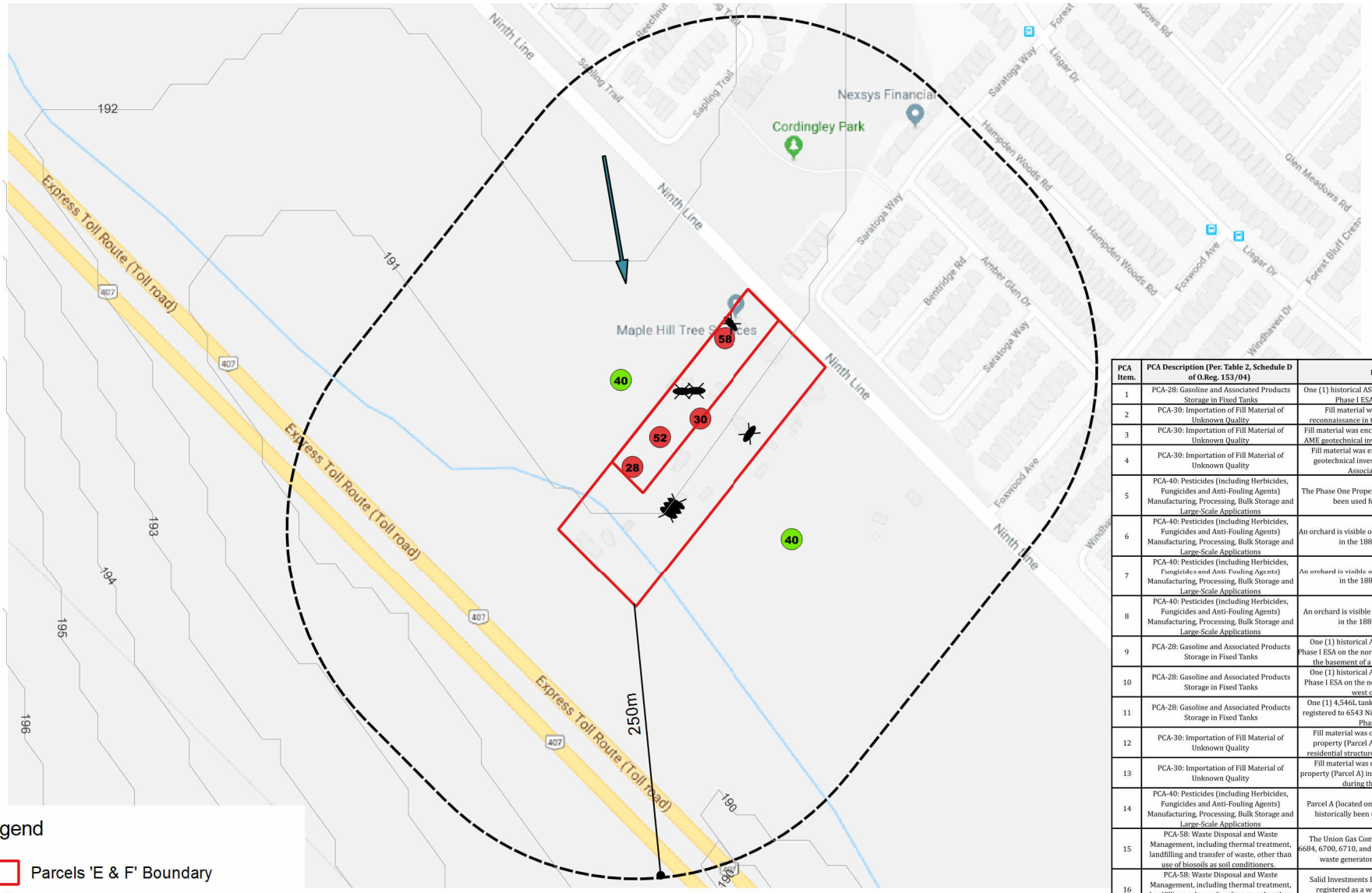
Title: **PCA WITHIN PHASE ONE STUDY AREA**

N

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	R.F	S.Y	May 2019
Rev: 0	Scale: As Shown	Project No.: 18-692-100	Figure No.: **3A**

Image/Map Source: *Google Satellite Image*

J:\-GIS\18-692-100 Ninth Line_Mattamy Development\1-QGIS\Parcel E and F\Figure 3B - PCA within Phase One Study Area.qgs



PCA Item.	PCA Description (Per. Table 2, Schedule D of O.Reg. 153/04)	Description
1	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks	One (1) historical AST was identified in the 2011 AME Phase I ESA conducted on Parcel C.
2	PCA-30: Importation of Fill Material of Unknown Quality	Fill material was observed during the site reconnaissance in the footprint of the former barn.
3	PCA-30: Importation of Fill Material of Unknown Quality	Fill material was encountered in BH8 during the 2006 AME geotechnical investigation conducted on Parcel C.
4	PCA-30: Importation of Fill Material of Unknown Quality	Fill material was encountered in BH1 in the 2008 geotechnical investigation conducted by Shad & Associates Inc on Parcel B.
5	PCA-40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	The Phase One Property (Parcel B, C, D) has historically been used for agricultural purposes.
6	PCA-40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	An orchard is visible on the northern portion of Parcel B in the 1880 Halton County Atlas.
7	PCA-40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	An orchard is visible on the northern portion of Parcel C in the 1880 Halton County Atlas.
8	PCA-40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	An orchard is visible on the central portion of Parcel D in the 1880 Halton County Atlas.
9	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks	One (1) historical AST was identified in a previous Phase I ESA on the north adjacent property (Parcel A) in the basement of a historical residential building.
10	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks	One (1) historical AST was identified in a previous Phase I ESA on the north adjacent property (Parcel A) west of a historical shed.
11	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks	One (1) 4,546L tank was identified in the ERIS report registered to 6543 Ninth Line, immediately west of the Phase One Property.
12	PCA-30: Importation of Fill Material of Unknown Quality	Fill material was observed on the north adjacent property (Parcel A) in the vicinity of the former residential structure during the site reconnaissance.
13	PCA-30: Importation of Fill Material of Unknown Quality	Fill material was observed on the north adjacent property (Parcel A) in 15the vicinity of the former barn during the site reconnaissance.
14	PCA-40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Parcel A (located on the north adjacent property) has historically been used for agricultural purposes.
15	PCA-58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	The Union Gas Compressor Station located at 6626, 6684, 6700, 6710, and 6712 Ninth Line is registered as a waste generator for multiple waste products.
16	PCA-58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	Salid Investments Ltd. located at 6314 Ninth Line is registered as a waste generator for waste oils and lubricants.

Legend

- Parcels 'E & F' Boundary
- 250m Buffer
- Former AST (PCA-28)
- PCA not contributing to APEC
- PCA contributing to APEC
- Inferred Groundwater Flow Direction

0 100 200 m

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6302 and 6314 Ninth Line, Mississauga, ON

Title: **PCA WITHIN PHASE ONE STUDY AREA**

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Client: DERRY BRITANNIA DEVELOPMENTS LTD.

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	R.F	S.Y	May 2019
Rev: 0	Scale: As Shown	Project No.: 18-692-100	Figure No.: **3B**

Image/Map Source: *Google Satellite Image*

J:\-GIS\18-692-100 Ninth Line_Mattamy Development\1-QGIS\Parcel E and F\Figure 4 - Areas of Potential Env. Concern.qgs

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity
APEC-1	Entire Property	PCA-30: Importation of Fill Material of Unknown Quality -Historical Importation of fill material for grading purposes
APEC-2	Western portion of Parcel E	PCA-52: Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems -Parcel E was used for vehicle storage and maintenance.
APEC-3	Western portion of Parcel E	PCA-58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners - Parcel E was registered for waste oils and lubricants in the 1980s and 1990s.
APEC-4	Southwest corner of Parcel E	PCA-28: Gasoline and associated products storage in fixed tanks -a generator associated with a cell tower is located on the western side of Parcel E.
APEC-5	South-west central portion of Parcel F in the vicinity of Site Building E	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of three (3) ASTs identified in the previous reports.
APEC-6	On the south-side of Site Building I on Parcel E	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of two (2) ASTs identified by the previous reports.
APEC-7	On the south-east exterior of Site Building B on Parcel F	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks - Historical use and presence of one (1) AST identified by the previous reports.
APEC-8	On the south-east exterior of Site Building H on Parcel E	PCA-28: Gasoline and Associated Products Storage in Fixed Tanks Historical use and presence of one (1) AST identified by the site interviews.

Legend

- Parcels 'E & F' Boundary
- Former AST (PCA-28)
- APEC - 1
- APEC - 2 & 3
- APEC - 4
- APEC - 5
- APEC - 6
- APEC - 7
- APEC - 8

0 40 80 m

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Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
6302 and 6314 Ninth Line, Mississauga, ON

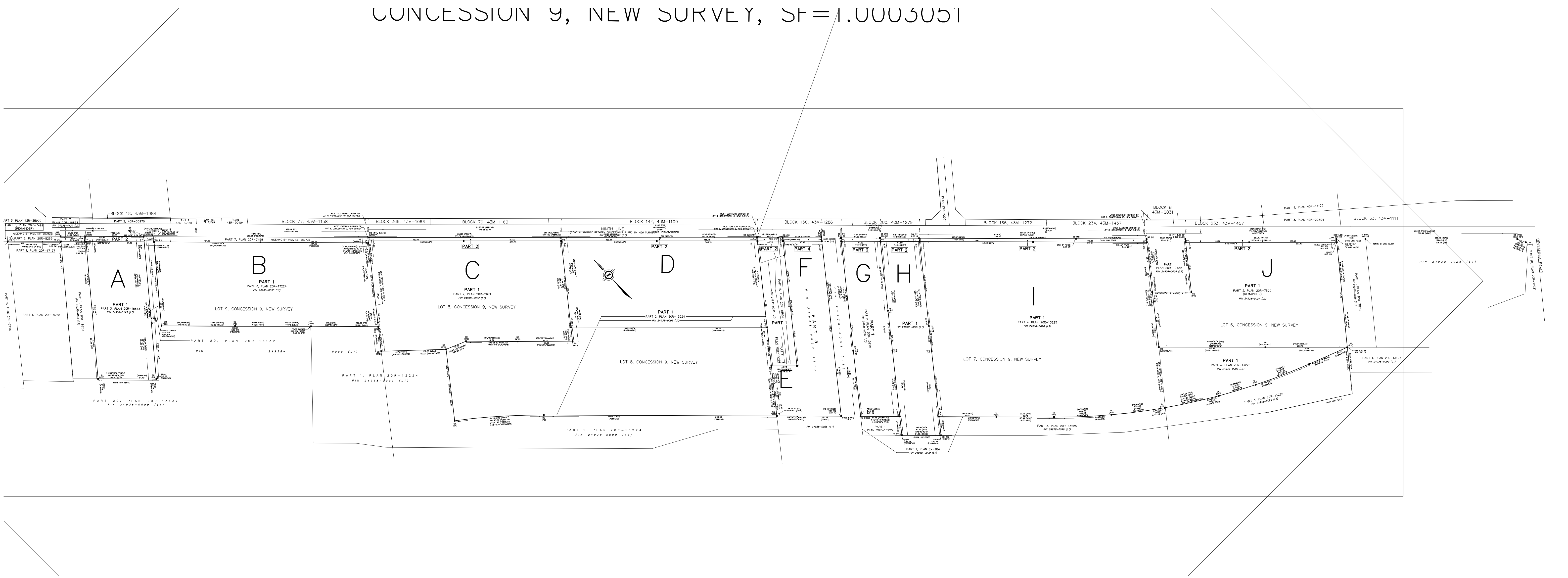
Title: **AREAS OF POTENTIAL ENVIRONMENTAL CONCERNS**

N

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	R.F	S.Y	May 2019
Rev: 0	Scale: As Shown	Project No.: 18-692-100	Figure No.: 4

Image/Map Source: *Google Satellite Image*

Appendix A



CONCESSION 9, NEW SURVEY, SF=1.0003051
A
B
C
D
E
F
G
H
I
J
PART 1
PART 2
PART 3
PART 4
PART 3, PLAN 20R-18853
PART 3, PLAN 20R-13224
PART 2, PLAN 20R-2671
PART 2, PLAN 20R-13224
PART 2, PLAN 20R-18669
PART 2, PLAN 20R-13225
PART 4, PLAN 20R-13225
PART 2, PLAN 20R-7570
(REMAINDER)
PLAN 20R-10482
LOT 9, CONCESSION 9, NEW SURVEY
LOT 8, CONCESSION 9, NEW SURVEY
LOT 7, CONCESSION 9, NEW SURVEY
LOT 6, CONCESSION 9, NEW SURVEY
NINTH LINE
BLOCK 18, 43M-1984
BLOCK 77, 43M-1158
BLOCK 369, 43M-1066
BLOCK 79, 43M-1163
BLOCK 144, 43M-1109
BLOCK 150, 43M-1286
BLOCK 200, 43M-1279
BLOCK 166, 43M-1272
BLOCK 234, 43M-1457
BLOCK 233, 43M-1457
BLOCK 8 43M-2031
BLOCK 53, 43M-1111
PART 2, 43R-35970
PART 7, PLAN 20R-7499
WIDENING BY INST. No. 357795
PART 1, PLAN 20R-8265
PART 2, PLAN 20R-7726
PART 1, PLAN 20R-18853
PART 20, PLAN 20R-13132
PIN 24938-0099 (LT)
PART 1, PLAN 20R-13224
PART 3, PLAN 20R-13225
PART 1, PLAN EX-184
PART 1, PLAN 20R-13127
PART 1, PLAN 20R-7870
PART 3, PLAN 43R-22504
PART 4, PLAN 43R-14103
PLAN 43R-22505
PIN 24938-0025 (LT)
PART 10, PLAN 20R-11931
BRITANNIA ROAD

Appendix B

Summary of City Directory Search

Address	Location Relative to Phase One Property	Listing	Year(s)	Inferred Property Use
Ninth Line				
6314	Phase One Property (Parcel E)	Residential	1972-1998	Residential
6302	Phase One Property (Parcel F)	Residential	1979-1983	Residential
		Residential/Maple Hill Tree Services	1984-1998	Residential/Commercial Arborist
6252	90m South of Parcel F	Residential	1975-1983, 1992-1998	Residential

Appendix C

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Parcels E-F, Derry/Britannia Lands - Ninth Line* *Ninth Line* *Mississauga ON*
Project No:	*18-692-100*
Report Type:	*RSC Report (Urban)*
Order No:	*20190418183*
Requested by:	*Ds Consultants Ltd.*
Date Completed:	*April 29, 2019*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*Parcels E-F, Derry/Britannia Lands - Ninth Line* *Ninth Line Mississauga ON*
Project No:	*18-692-100*

Order Information:

Order No:	*20190418183*
Date Requested:	*April 18, 2019*
Requested by:	*Ds Consultants Ltd.*
Report Type:	*RSC Report (Urban)*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*
Topographic Map	*Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	2	2
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DRYCLEANERS	Dry Cleaning Facilities	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	2	1	3
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	2	0	2
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MISA PENALTY	Environmental Penalty Annual Report	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
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
NEBW	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	0	0	0
OGW	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	2	4	6
PINC	TSSA Pipeline Incidents	Y	0	0	0
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	0	0	0
SPL	Ontario Spills	Y	0	0	0
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	TSSA 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	2	2	4
	Total:		8	9	17

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		6302 9 Line Mississauga ON L5N0C1	-/0.0	-0.46	14
1	PES	1230723 ONTARIO INC O/A MAPLE HILL TREE SERVICES	6302 9TH LINE RR 2 HORNBY ON L0P 1E0	-/0.0	-0.46	14
1	PES	MAPLE HILL TREE SERVICES	6302 9TH LINE, R.R. #2 HORNBY ON L9T 3G2	-/0.0	-0.46	14
2	WWIS		Mississauga ON ***Well ID:*** 7283292	-/0.0	0.00	15
3	EHS		6314 Ninth Line Mississauga ON	-/0.0	0.00	17
4	WWIS		Mississauga ON ***Well ID:*** 7283293	-/0.0	0.00	17
5	GEN	SALID INVESTMENTS LTD. 36-656	6314 NINETH LINE HORNBY ON L0P 1E0	-/0.0	0.00	20
5	GEN	SALID INVESTMENTS LTD.	6314 NINETH LINE HORNBY ON L0P 1E0	-/0.0	0.00	20

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
6	WWIS		Mississauga ON ***Well ID:*** 7283291	NNE/1.9	0.00	20
7	WWIS		Milton ON ***Well ID:*** 7106332	E/33.5	-1.00	23
8	EHS		6302 ninth line Milton ON	N/50.8	0.00	26
9	PES	ROACH REMOVER INC.	3952 BENTRIDGE RD MISSISSAUGA ON L5N 7V8	ENE/160.0	-1.00	26
10	CA	996075 ONTARIO INC.	FOXWOOD AVE/NINTH LINE/LISGAR MISSISSAUGA CITY ON	ESE/192.0	-1.00	27
10	CA	996075 ONTARIO INC.	FOXWOOD AVE/NINTH LINE/LISGAR MISSISSAUGA CITY ON	ESE/192.0	-1.00	27
11	PES	CENTRAL PEST CONTROL ONTARIO INC	6435 HAMPDEN WOODS RD MISSISSAUGA ON L5N 7V3	ENE/299.9	-1.00	27
11	PES	CENTRAL PEST CONTROL ONTARIO INC	6435 HAMPDEN WOODS RD MISSISSAUGA ON L5N7V3	ENE/299.9	-1.00	28
11	PES	CENTRAL PEST CONTROL ONTARIO INC	6435 HAMPDEN WOODS RD MISSISSAUGA ON L5N7V3	ENE/299.9	-1.00	28

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
996075 ONTARIO INC.	FOXWOOD AVE/NINTH LINE/LISGAR MISSISSAUGA CITY ON	192.0	10
996075 ONTARIO INC.	FOXWOOD AVE/NINTH LINE/LISGAR MISSISSAUGA CITY ON	192.0	10

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2019 has found that there are 3 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	6302 9 Line Mississauga ON L5N0C1	0.0	1
	6314 Ninth Line Mississauga ON	0.0	3
	6302 ninth line Milton ON	50.8	8

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Dec 31, 2018 has found that there are 2 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
SALID INVESTMENTS LTD.	6314 NINETH LINE HORNBY ON L0P 1E0	0.0	5

Site	Address	Distance (m)	Map Key
SALID INVESTMENTS LTD. 36-656	6314 NINETH LINE HORNBY ON L0P 1E0	0.0	5

PES - Pesticide Register

A search of the PES database, dated 1988-Sep 2018 has found that there are 6 PES site(s) within approximately 0.30 kilometers of the project property.

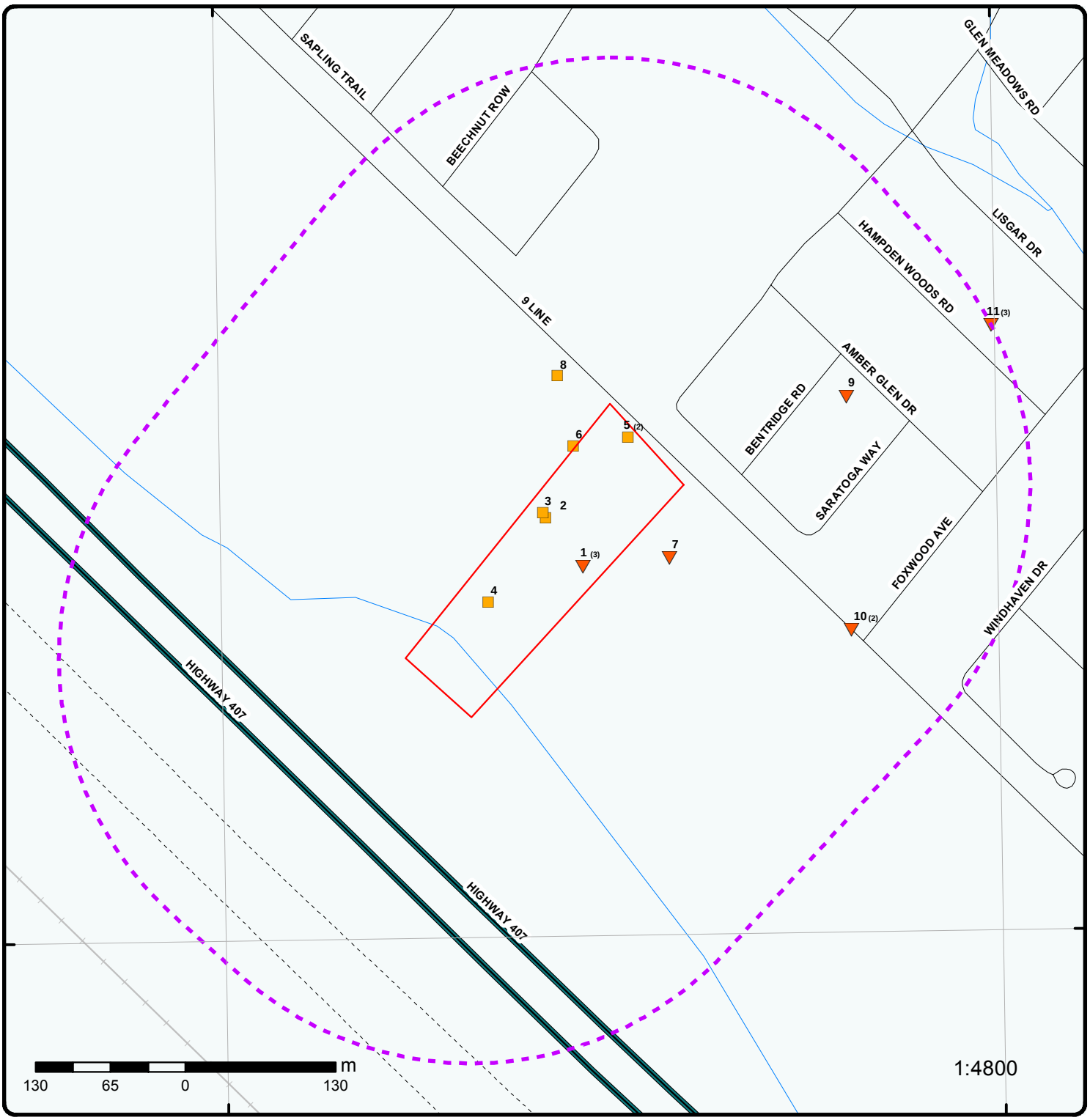
Site	Address	Distance (m)	Map Key
MAPLE HILL TREE SERVICES	6302 9TH LINE, R.R. #2 HORNBY ON L9T 3G2	0.0	1
1230723 ONTARIO INC O/A MAPLE HILL TREE SERVICES	6302 9TH LINE RR 2 HORNBY ON L0P 1E0	0.0	1
ROACH REMOVER INC.	3952 BENTRIDGE RD MISSISSAUGA ON L5N 7V8	160.0	9
CENTRAL PEST CONTROL ONTARIO INC	6435 HAMPDEN WOODS RD MISSISSAUGA ON L5N7V3	299.9	11
CENTRAL PEST CONTROL ONTARIO INC	6435 HAMPDEN WOODS RD MISSISSAUGA ON L5N7V3	299.9	11
CENTRAL PEST CONTROL ONTARIO INC	6435 HAMPDEN WOODS RD MISSISSAUGA ON L5N 7V3	299.9	11

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 4 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	Mississauga ON	0.0	2

Site	Address	Distance (m)	Map Key
	Well ID: 7283292		
	Mississauga ON	0.0	4
	Well ID: 7283293		
	Mississauga ON	1.9	6
	Well ID: 7283291		
	Milton ON	33.5	7
	Well ID: 7106332		



Map : 0.3 Kilometer Radius

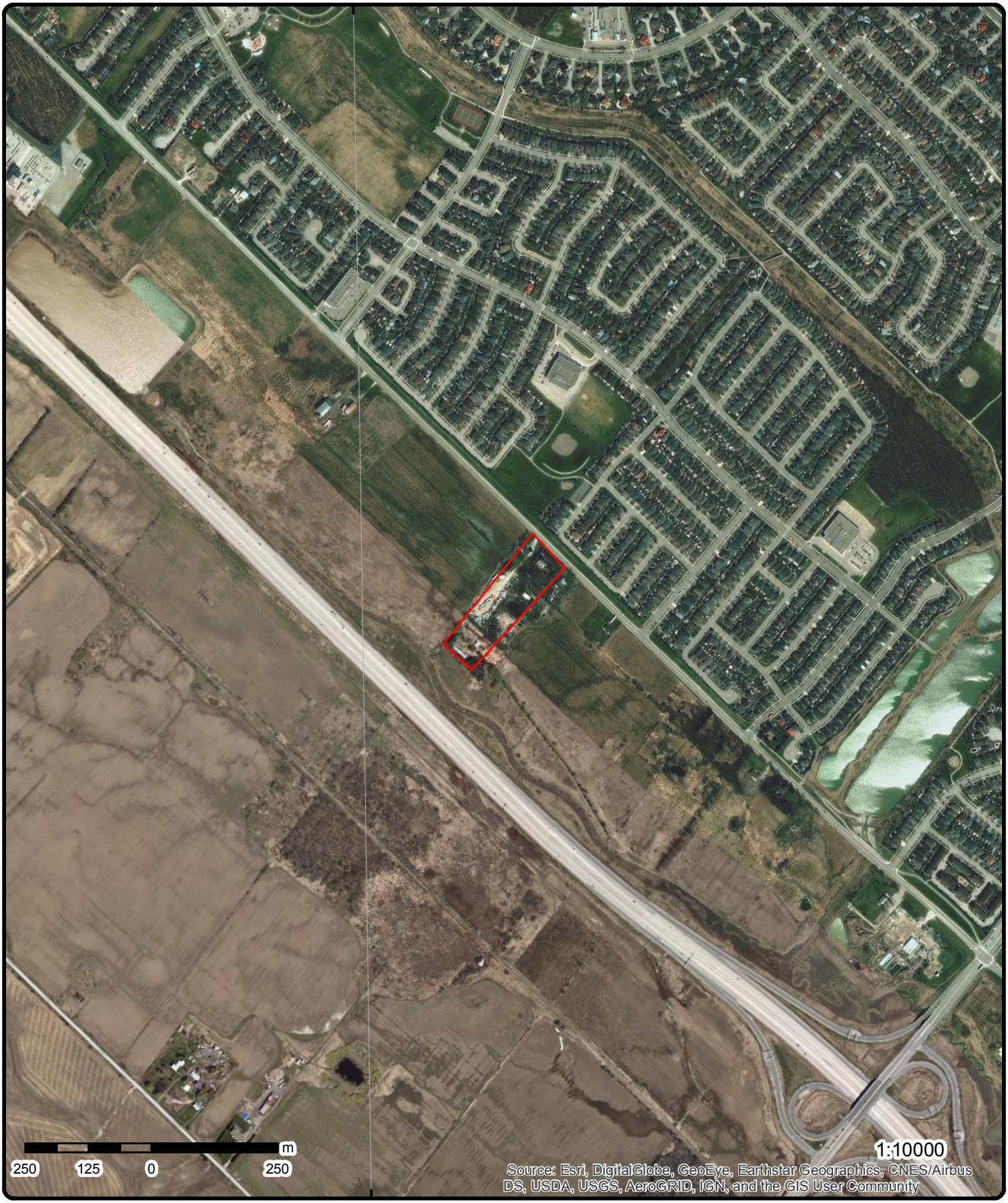
Order No: 20190418183

Address: Ninth Line, Mississauga, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

79°46'30"W



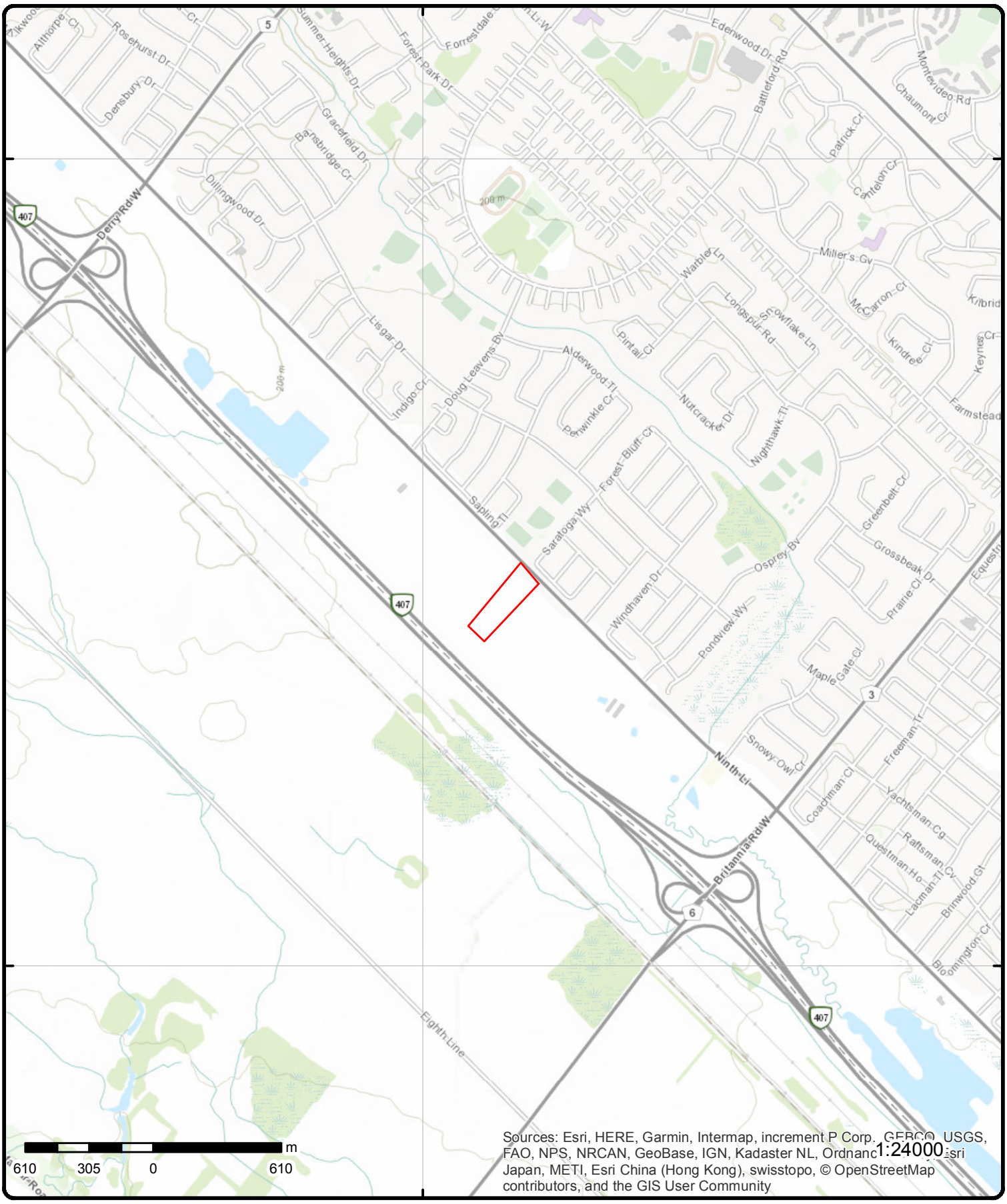
Aerial (2013)

Address: Ninth Line, Mississauga, ON

Source: ESRI World Imagery

Order No: 20190418183

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: Ninth Line, Mississauga, ON

Source: ESRI World Topographic Map

Order No: 20190418183

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 3	-/0.0	190.4 / -0.46	6302 9 Line Mississauga ON L5N0C1	EHS

Order No:	20150408024	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	Custom Report	Client Prov/State:	ON
Report Date:	09-APR-15	Search Radius (km):	.25
Date Received:	08-APR-15	X:	-79.771156
Previous Site Name:		Y:	43.561218
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 3	-/0.0	190.4 / -0.46	1230723 ONTARIO INC O/A MAPLE HILL TREE SERVICES 6302 9TH LINE RR 2 HORNBY ON L0P 1E0	PES

Billing No:		Op Municipality:	
Trade Name:		Operator Region:	
Licence No:		Operator District:	
Detail Licence No:		Operator County:	
Licence Type Code:	02	Oper Area Code:	
Licence Type:	Operator	Oper Phone No:	
Licence Class:		Operator Ext:	
Licence Control:		Region:	
Operator No:		County:	
Operator Class:		District:	
Operator Type:		Lot:	
Operator Lot:		Concession:	
Oper Concession:		Post Office Box:	
Operator Box:		Report Source:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	3 of 3	-/0.0	190.4 / -0.46	MAPLE HILL TREE SERVICES 6302 9TH LINE, R.R. #2 HORNBY ON L9T 3G2	PES

Billing No:		Op Municipality:	
Trade Name:		Operator Region:	
Licence No:		Operator District:	
Detail Licence No:		Operator County:	
Licence Type Code:		Oper Area Code:	
Licence Type:	Operator	Oper Phone No:	
Licence Class:		Operator Ext:	
Licence Control:		Region:	
Operator No:		County:	
Operator Class:		District:	
Operator Type:		Lot:	
Operator Lot:		Concession:	
Oper Concession:		Post Office Box:	
Operator Box:		Report Source:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	-/0.0	190.9 / 0.00	Mississauga ON	WWIS

Well ID:	7283292	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	3/15/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z252629	**Owner:**	
Tag:	A214716	**Street Name:**	6314 NINTH LINE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006367632	**Elevation:**	191.03
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	599213
Code OB Desc:		**North83:**	4823916
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	10-JAN-17	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006598138
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	
Other Materials:	
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	10
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 1006598137
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 06
Other Materials: SILT
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006598146
Layer: 2
Plug From: 14
Plug To: 25
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006598145
Layer: 1
Plug From: 0
Plug To: 14
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006598144
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1006598136
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006598141
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006598142
Layer: 1
Slot: 10
Screen Top Depth: 15
Screen End Depth: 25
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.5

Water Details

Water ID: 1006598140
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006598139
Diameter: 7.5
Depth From: 0
Depth To: 25
Hole Depth UOM: ft
Hole Diameter UOM: inch

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3 | **1 of 1** | **-/0.0** | **190.9 / 0.00** | **6314 Ninth Line Mississauga ON** | **EHS**

Order No: 20161216067
Status: C
Report Type: Custom Report
Report Date: 21-DEC-16
Date Received: 16-DEC-16
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.771578
Y: 43.561643

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4 | **1 of 1** | **-/0.0** | **190.9 / 0.00** | **Mississauga ON** | **WWIS**

Well ID: 7283293
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z252630
Tag: A214715
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Data Entry Status:
Data Src:
Date Received: 3/15/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 7472
Form Version: 7
Owner:
Street Name: 6314 NINTH LINE
County: HALTON
Municipality: MILTON TOWN (TRAFALGAR)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:

Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	1006367635	***Elevation:***	191.47
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	599163
Code OB Desc:		***North83:***	4823843
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	10-JAN-17	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1006598148
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006598149
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	
Other Materials:	
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	10
Formation End Depth:	25
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006598156
Layer:	1

Plug From: 0
Plug To: 14
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006598157
Layer: 2
Plug From: 14
Plug To: 25
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006598155
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1006598147
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006598152
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006598153
Layer: 1
Slot: 10
Screen Top Depth: 15
Screen End Depth: 25
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.5

Water Details

Water ID: 1006598151
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Hole Diameter

Hole ID: 1006598150
Diameter: 7.5
Depth From: 0
Depth To: 25
Hole Depth UOM: ft
Hole Diameter UOM: inch

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5 ***1 of 2*** ***-/0.0*** ***190.9 / 0.00*** ***SALID INVESTMENTS LTD. 36-656***
6314 NINETH LINE
HORNBY ON L0P 1E0 ***GEN***

Generator No: ON1262600
Status:
Approval Years: 92,93,94,95,96,97,98
Contam. Facility:
MHSW Facility:
SIC Code: 4214
SIC Description: EXCAVAT. & GRADING

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

5 ***2 of 2*** ***-/0.0*** ***190.9 / 0.00*** ***SALID INVESTMENTS LTD.***
6314 NINETH LINE
HORNBY ON L0P 1E0 ***GEN***

Generator No: ON1262600
Status:
Approval Years: 89
Contam. Facility:
MHSW Facility:
SIC Code: 4214
SIC Description: EXCAVAT. & GRADING

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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6 ***1 of 1*** ***NNE/1.9*** ***190.9 / 0.00*** ***Mississauga ON*** ***WWIS***

Well ID: 7283291
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z252628
Tag: A214717
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:

Data Entry Status:
Data Src:
Date Received: 3/15/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 7472
Form Version: 7
Owner:
Street Name: 6314 NINTH LINE
County: HALTON
Municipality: MILTON TOWN (TRAFALGAR)
Site Info:
Lot:
Concession:
Concession Name:

Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	1006367629	***Elevation:***	191.4
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	599237
Code OB Desc:		***North83:***	4823978
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	10-JAN-17	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006598126
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006598127
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	
Other Materials:	
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	10
Formation End Depth:	25
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006598135

Layer:	2
Plug From:	14
Plug To:	25
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006598134
Layer:	1
Plug From:	0
Plug To:	14
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006598133
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1006598125
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006598130
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	15
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006598131
Layer:	1
Slot:	10
Screen Top Depth:	15
Screen End Depth:	25
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.5

Water Details

Water ID:	1006598129
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006598128
Diameter:	7.5
Depth From:	0
Depth To:	25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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7 ***1 of 1*** ***E/33.5*** ***189.9 / -1.00*** ***Milton ON*** ***WWIS***

Well ID:	7106332	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Test Hole	***Date Received:***	6/12/2008
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	6988
Casing Material:		***Form Version:***	4
Audit No:	Z77211	***Owner:***	
Tag:	A064008	***Street Name:***	6288 NINTH LINE
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	MILTON TOWN (MILTON)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1001613897	***Elevation:***	190.9
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	599320
Code OB Desc:		***North83:***	4823881
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	27-MAY-08	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1001676825
Layer:	5
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	06

Other Materials:	SILT
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	4.7
Formation End Depth:	4.9
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001676823
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Other Materials:	SAND
Mat3:	05
Other Materials:	CLAY
Formation Top Depth:	1.8
Formation End Depth:	3.9
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001676824
Layer:	4
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	11
Other Materials:	GRAVEL
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	3.9
Formation End Depth:	4.7
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001676821
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Other Materials:	SAND
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	0
Formation End Depth:	.6
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001676826

Layer:	6
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Other Materials:	SAND
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	4.9
Formation End Depth:	6
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001676822
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Other Materials:	CLAY
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	.6
Formation End Depth:	1.8
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001676828
Layer:	1
Plug From:	0
Plug To:	1.2
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1001676833
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	AUGER

Pipe Information

Pipe ID:	1001676820
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1001676830
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	1.2

Casing Diameter: 5.1
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001676831
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Water Details

Water ID: 1001676829
Layer: 1
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001676827
Diameter: 10.2
Depth From:
Depth To: 6
Hole Depth UOM: m
Hole Diameter UOM: cm

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8 | ***1 of 1*** | ***N/50.8*** | ***190.9 / 0.00*** | ***6302 ninth line Milton ON*** | ***EHS***

Order No: 20080819055
Status: C
Report Type: Custom Report
Report Date: 8/28/2008
Date Received: 8/19/2008
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps And /or Site Plans

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.771396
Y: 43.562707

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9 | ***1 of 1*** | ***ENE/160.0*** | ***189.9 / -1.00*** | ***ROACH REMOVER INC. 3952 BENTRIDGE RD MISSISSAUGA ON L5N 7V8*** | ***PES***

Billing No:
Trade Name:
Licence No:
Detail Licence No:
Licence Type Code:
Licence Type: Operator
Licence Class:
Licence Control:
Operator No:
Operator Class:
Operator Type:

Op Municipality:
Operator Region:
Operator District:
Operator County:
Oper Area Code:
Oper Phone No:
Operator Ext:
Region:
County:
District:
Lot:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Operator Lot:				**Concession:**	
Oper Concession:				**Post Office Box:**	
Operator Box:				**Report Source:**	

10	1 of 2	ESE/192.0	189.9 / -1.00	996075 ONTARIO INC. FOXWOOD AVE/NINTH LINE/LISGAR MISSISSAUGA CITY ON	CA

Certificate #:	7-1051-97-
Application Year:	97
Issue Date:	10/14/1997
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

10	2 of 2	ESE/192.0	189.9 / -1.00	996075 ONTARIO INC. FOXWOOD AVE/NINTH LINE/LISGAR MISSISSAUGA CITY ON	CA

Certificate #:	3-1427-97-
Application Year:	97
Issue Date:	10/14/1997
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

11	1 of 3	ENE/299.9	189.9 / -1.00	CENTRAL PEST CONTROL ONTARIO INC 6435 HAMPDEN WOODS RD MISSISSAUGA ON L5N 7V3	PES

Billing No:		**Op Municipality:**	
Trade Name:		**Operator Region:**	
Licence No:		**Operator District:**	
Detail Licence No:		**Operator County:**	
Licence Type Code:	02	**Oper Area Code:**	
Licence Type:	Operator	**Oper Phone No:**	
Licence Class:		**Operator Ext:**	
Licence Control:		**Region:**	
Operator No:		**County:**	
Operator Class:		**District:**	
Operator Type:		**Lot:**	
Operator Lot:		**Concession:**	
Oper Concession:		**Post Office Box:**	
Operator Box:		**Report Source:**	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	2 of 3	ENE/299.9	189.9 / -1.00	CENTRAL PEST CONTROL ONTARIO INC 6435 HAMPDEN WOODS RD MISSISSAUGA ON L5N7V3	PES

Billing No:	052326	**Op Municipality:**	
Trade Name:		**Operator Region:**	
Licence No:	04406	**Operator District:**	
Detail Licence No:		**Operator County:**	
Licence Type Code:	01	**Oper Area Code:**	905
Licence Type:	Operator	**Oper Phone No:**	8245103
Licence Class:	05	**Operator Ext:**	
Licence Control:		**Region:**	
Operator No:		**County:**	
Operator Class:		**District:**	
Operator Type:		**Lot:**	
Operator Lot:		**Concession:**	
Oper Concession:		**Post Office Box:**	
Operator Box:		**Report Source:**	Legacy Licenses (Excluding TS)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	3 of 3	ENE/299.9	189.9 / -1.00	CENTRAL PEST CONTROL ONTARIO INC 6435 HAMPDEN WOODS RD MISSISSAUGA ON L5N7V3	PES

Billing No:	052326	**Op Municipality:**	
Trade Name:		**Operator Region:**	3
Licence No:	04406	**Operator District:**	
Detail Licence No:	02-01-04406-0	**Operator County:**	49
Licence Type Code:	02	**Oper Area Code:**	905
Licence Type:	Operator	**Oper Phone No:**	8245103
Licence Class:	01	**Operator Ext:**	
Licence Control:	0	**Region:**	3
Operator No:		**County:**	49
Operator Class:		**District:**	
Operator Type:		**Lot:**	
Operator Lot:		**Concession:**	
Oper Concession:		**Post Office Box:**	
Operator Box:		**Report Source:**	Legacy Licenses (Excluding TS)

Unplottable Summary

Total: 26 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA		Part of Lots 6 & 7, Concession 10	Mississauga ON	
CA		Part of Lots 6 and 7, Concession 10	Mississauga ON	
CA		Part of Lots 6 and 7, Concession 10	Mississauga ON	
CA	PEBBLES PROPERTIES INC.	BRITANNIA WOODS II/FOXWOOD AVE	MISSISSAUGA CITY ON	
CA	PEBBLES PROPERTIES INC.	BRITANNIA WOODS II/FOXWOOD AVE	MISSISSAUGA CITY ON	
CA	LAMAJE DEVELOPMENTS LIMITED	BRITANNIA WOODS 1/LISGAR DR.	MISSISSAUGA CITY ON	
CA	LAMAJE DEVELOPMENTS LIMITED	BRITANNIA WOODS 1/LISGAR DR.	MISSISSAUGA CITY ON	
CA		Ninth Line	Mississauga ON	
CA	UNION GAS LIMITED	NINTH LINE	MILTON TOWN ON	
CA	MISSISSAUGA CITY-LISGAR/W.CHURCHILL DIST	NINTH LINE/FUTURE ERIN CENTRE	MISSISSAUGA CITY ON	
CA	FIRST CITY DEVELOPMENT CORP. LTD.	EASEMENT NINTH LINE LISGAR SUB	MISSISSAUGA CITY ON	
CA		Lot 8, Registered Plan A-15	Mississauga ON	
EHS		West side of Ninth Line, between Hwy 401 & 407	Mississauga ON	
EHS		Ninth Line	Mississauga ON	
GEN	UNION GAS LTD.	WEST SIDE OF 9TH LINE BETWEEN DERRY ROAD & BRITANIA ROAD	STREETSVILLE ON	L5N 5R2
GEN	GLEN OAKS MEMORIAL GARDENS	NINTH LINE C/O 3476 GLEN ERIN DRIVE	MISSISSAUGA ON	L5L 1W6
PES	ROACH REMOVER INC.	BOX 21043	MISSISSAUGA ON	L5N6A2

PTTW	TransCanada PipeLines Limited	Lot 10, Concession 9 (Ninth Line) Town of Milton, Regional Municipality of Halton TOWN OF MILTON	ON	
REC	GLEN OAKS MEMORIAL GARDENS	NINTH LINE C/O 3476 GLEN ERIN DRIVE	MISSISSAUGA ON	L5L 1W6
REC	GLEN OAKS MEMORIAL GARDENS	NINTH LINE	MISSISSAUGA ON	L5L 1W6
SPL	Parmalat Canada	9th Line, south of #5 Sideroad	Halton Hills ON	
SPL	Belor Construction Ltd<UNOFFICIAL>	Highway 407 - South of Brittania Rd, North of Lower Base Line	Milton ON	
SPL	OPP	9TH LINE, 1.8 KM SOUTH OF 10 TH SIDE ROAD. LOT 7, CONC. X DIESEL FUEL STORAGE AND TRANSMISSION SYSTEM	HALTON HILLS TOWN ON	
WWIS		lot 7	ON	
WWIS		lot 7	ON	
WWIS		lot 8	ON	

Unplottable Report

Site:
Part of Lots 6 & 7, Concession 10 Mississauga ON

Database: ***CA***

Certificate #:	2746-4R4KHN
Application Year:	01
Issue Date:	2/14/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Lamaje Developments Limited & 1281634 Ontario Limited
Client Address:	2360 Bristol Circle
Client City:	Oakville
Client Postal Code:	L6H 6M5
Project Description:	Construction of a Stormwater Management Facility
Contaminants:	
Emission Control:	

Site:
Part of Lots 6 and 7, Concession 10 Mississauga ON

Database: ***CA***

Certificate #:	4128-4RWTGG
Application Year:	00
Issue Date:	12/11/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Lamaje Developments Limited & 1281634 Ontario Limited
Client Address:	2360 Bristol Circle
Client City:	Oakville
Client Postal Code:	L6H 6M5
Project Description:	watermains to be constructed on Osprey Blvd, Windhaven Drive, Miriam Way, Lisgar Drive, Streets a,b,c, and the crossing of the ex-drainage channel
Contaminants:	
Emission Control:	

Site:
Part of Lots 6 and 7, Concession 10 Mississauga ON

Database: ***CA***

Certificate #:	2707-4RWTB3
Application Year:	00
Issue Date:	12/11/00
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Lamaje Developments Limited & 1281634 Ontario Limited
Client Address:	2360 Bristol Circle
Client City:	Oakville
Client Postal Code:	L6H 6M5
Project Description:	Storm, sanitary, and FDC to be constructed on Streets B and C; storm and FDC on Block 226; FDC and sanitary on Streets A and 9th Line; Storm on Easement on lots 1 & 25; FDC on Osprey Drive, Windhaven Drive, Miriam Way, Lisgar Drive.
Contaminants:	
Emission Control:	

Site: ***PEBBLES PROPERTIES INC.***

Database:

BRITANNIA WOODS II/FOXWOOD AVE MISSISSAUGA CITY ON ***CA***

Certificate #: 7-1101-97-
Application Year: 97
Issue Date: 10/14/1997
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PEBBLES PROPERTIES INC.*** ***Database:***
BRITANNIA WOODS II/FOXWOOD AVE MISSISSAUGA CITY ON ***CA***

Certificate #: 3-1498-97-
Application Year: 97
Issue Date: 10/14/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***LAMAJE DEVELOPMENTS LIMITED*** ***Database:***
BRITANNIA WOODS 1/LISGAR DR. MISSISSAUGA CITY ON ***CA***

Certificate #: 3-1667-97-
Application Year: 97
Issue Date: 11/17/1997
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***LAMAJE DEVELOPMENTS LIMITED*** ***Database:***
BRITANNIA WOODS 1/LISGAR DR. MISSISSAUGA CITY ON ***CA***

Certificate #: 7-1211-97-
Application Year: 97
Issue Date: 11/17/1997
Approval Type: Municipal water
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: ***Database:*** ***CA***
Ninth Line Mississauga ON

Certificate #: 8428-4MBM8G
Application Year: 00
Issue Date: 7/25/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the City of Mississauga
Client Address: 3185 Mavis Road
Client City: Mississauga
Client Postal Code: L5C 1T7
Project Description: Installation of Storm Sewers on Ninth Line.
Contaminants:
Emission Control:

Site: ***UNION GAS LIMITED*** ***Database:*** ***CA***
NINTH LINE MILTON TOWN ON

Certificate #: 8-3113-88-
Application Year: 88
Issue Date: 9/12/1988
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: COMPRESSED/DIESEL
Contaminants: Nitrogen Oxides, Carbon Monoxide, Methane (Incl. Hydrocarbons Expr. As Ch4
Emission Control: Silencer

Site: ***MISSISSAUGA CITY-LISGAR/W.CHURCHILL DIST*** ***Database:*** ***CA***
NINTH LINE/FUTURE ERIN CENTRE MISSISSAUGA CITY ON

Certificate #: 3-0286-90-
Application Year: 90
Issue Date: 3/9/1990
Approval Type: Municipal sewage
Status: Revised
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***FIRST CITY DEVELOPMENT CORP. LTD.*** ***Database:*** ***CA***
EASEMENT NINTH LINE LISGAR SUB MISSISSAUGA CITY ON

Certificate #: 3-0128-87-
Application Year: 87
Issue Date: 2/27/1987
Approval Type: Municipal sewage
Status: Approved

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site:
Lot 8, Registered Plan A-15 Mississauga ON

Database: ***CA***

Certificate #: 6600-4SGJZW
Application Year: 01
Issue Date: 1/2/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Belsito Investments Inc.
Client Address: 5108 Durie Road
Client City: Mississauga
Client Postal Code: L5M 2C7
Project Description: Sanitary sewers to be constructed in conjunction with File T-00001 (W6) and in the Region of Peel on San Remo Court.
Contaminants:
Emission Control:

Site:
West side of Ninth Line, between Hwy 401 & 407 Mississauga ON

Database: ***EHS***

Order No: 20110412012
Status: C
Report Type: Custom Report
Report Date: 4/20/2011
Date Received: 4/12/2011 9:42:09 AM
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans
Nearest Intersection: Hwys 401 & 407
Municipality: Peel
Client Prov/State: ON
Search Radius (km): 0.4
X: -79.784437
Y: 1

Site:
Ninth Line Mississauga ON

Database: ***EHS***

Order No: 20120206042
Status: C
Report Type: Custom Report
Report Date: 2/15/2012
Date Received: 2/6/2012 3:13:37 PM
Previous Site Name: Unknown
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Topographic Maps
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.7142
Y: 1

Site: ***UNION GAS LTD.***
WEST SIDE OF 9TH LINE BETWEEN DERRY ROAD & BRITANIA ROAD STREETSVILLE ON L5N 5R2

Database: ***GEN***

Generator No: ON0178216
Status:
Approval Years: 88
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Site: ***GLEN OAKS MEMORIAL GARDENS***
NINTH LINE C/O 3476 GLEN ERIN DRIVE MISSISSAUGA ON L5L 1W6

Database: ***GEN***

Generator No:	RR0530	***PO Box No:***	
Status:		***Country:***	
Approval Years:	86	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	011		
SIC Description:			

Site: ***ROACH REMOVER INC.***
BOX 21043 MISSISSAUGA ON L5N6A2

Database: ***PES***

Billing No:		***Op Municipality:***	
Trade Name:		***Operator Region:***	
Licence No:		***Operator District:***	
Detail Licence No:		***Operator County:***	
Licence Type Code:		***Oper Area Code:***	
Licence Type:	Operator	***Oper Phone No:***	
Licence Class:		***Operator Ext:***	
Licence Control:		***Region:***	
Operator No:		***County:***	
Operator Class:		***District:***	
Operator Type:		***Lot:***	
Operator Lot:		***Concession:***	
Oper Concession:		***Post Office Box:***	
Operator Box:		***Report Source:***	

Site: ***TransCanada PipeLines Limited***
Lot 10, Concession 9 (Ninth Line) Town of Milton, Regional Municipality of Halton TOWN OF MILTON ON

Database: ***PTTW***

EBR Registry No:	012-4225	***Proposal Date:***	May 27, 2015
Ministry Ref. No:	5273-9WWK82	***Notice Date:***	July 08, 2015
Notice Type:	Instrument Decision	***Year:***	2015
Company Name:	TransCanada PipeLines Limited		
Proponent Name:			
Proponent Address:	450 1st Street Southwest, Calgary Alberta, Canada T2P 5H1		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Location Other:			
URL:			

Location:

Lot 10, Concession 9 (Ninth Line) Town of Milton, Regional Municipality of Halton TOWN OF MILTON

Site: ***GLEN OAKS MEMORIAL GARDENS***
NINTH LINE C/O 3476 GLEN ERIN DRIVE MISSISSAUGA ON L5L 1W6

Database: ***REC***

Rec Op Div:	
Co Admin:	
Phone No Admin:	
Rec Div:	
Rec Op Name:	
Choice of Contact:	
Site Bldg:	
Site PO Box:	
Receiver #:	RR0530
Facility Type:	INCINERATION
Approval Yrs:	86,87,88,89,90,92

Site: ***GLEN OAKS MEMORIAL GARDENS***
NINTH LINE MISSISSAUGA ON L5L 1W6

Database: ***REC***

Rec Op Div:
Co Admin:
Phone No Admin:
Rec Div:
Rec Op Name:
Choice of Contact:
Site Bldg:
Site PO Box:
Receiver #: RR0530
Facility Type:
Approval Yrs: 06,07,08

Site: ***Parmalat Canada***
9th Line, south of #5 Sideroad Halton Hills ON

Database: ***SPL***

Ref No:	3131-5ZG98L	***Discharger Report:***	
Site No:		***Material Group:***	Miscellaneous
Incident Dt:	5/30/2004	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Transport Accident	***Sector Type:***	Transport Truck
Incident Event:		***Agency Involved:***	
Contaminant Code:	96	***Nearest Watercourse:***	
Contaminant Name:	MILK PRODUCT (cream)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Central
Environment Impact:	Possible	***Site Municipality:***	Halton Hills
Nature of Impact:	Soil Contamination; Surface Water Pollution	***Site Lot:***	
Receiving Medium:	Land & Water	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/30/2004	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Spill to Inland Watercourses; Spill to Land
Incident Reason:	Equipment/Vehicles	***Source Type:***	

Site Name: MULTI VEHICLE MVA & SPILL SITE - 9TH LINE, HALTON HILLS<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: MVA/Spill - Milk & diesel to road & ditch
Contaminant Qty: 17000 L

Site: ***Belor Construction Ltd<UNOFFICIAL>***
Highway 407 - South of Brittania Rd, North of Lower Base Line Milton ON

Database: ***SPL***

Ref No:	6851-7WEMZZ	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	10/1/2009	***Site Map Datum:***	
Dt Document Closed:	11/20/2009	***SAC Action Class:***	Watercourse Spills

Incident Reason:		***Source Type:***	
Site Name:	Highway 407 - South of Brittania Rd, North of Lower Base Line<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Belor Construction - 22L hydraulic oil to SWRP, cleaning		
Contaminant Qty:	3 gal-Imp		

Site: ***OPP***
9TH LINE, 1.8 KM SOUTH OF 10 TH SIDE ROAD. LOT 7, CONC. X DIESEL FUEL STORAGE AND TRANSMISSION SYSTEM HALTON HILLS TOWN ON

Database: ***SPL***

Ref No:	30760	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	2/9/1990	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***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:***	14401
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	HALTON REGION
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2/9/1990	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	VANDALISM	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OPP- MAXIMUM 1000 LTR OF DIESEL FUEL SPILLED TO GROUND		
Contaminant Qty:			

Site:
lot 7 ON

Database: ***WWIS***

Well ID:	2807469	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/7/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1660
Casing Material:		***Form Version:***	1
Audit No:	43050	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	007
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10153730	***Elevation:***	
DP2BR:		***Elevrc:***	

Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 18-JUN-88
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931447437
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Other Materials: SANDY
Mat3:
Other Materials:
Formation Top Depth: 1
Formation End Depth: 43
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931447438
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 43
Formation End Depth: 90
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931447439
Layer: 4
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 90
Formation End Depth: 103
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931447440
Layer: 5
Color: 6
General Color: BROWN
Mat1: 30
Most Common Material: MEDIUM GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 103
Formation End Depth: 104
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931447436
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962807469
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10702300
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930261481
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 104
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992807469
Pump Set At:

Static Level:
Final Level After Pumping: 82
Recommended Pump Depth: 95
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 7
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 4
Pumping Duration MIN: 0
Flowing: Y

Draw Down & Recovery

Pump Test Detail ID: 934178967
Test Type: Draw Down
Test Duration: 15
Test Level: 82
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934452933
Test Type: Draw Down
Test Duration: 30
Test Level: 82
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934964309
Test Type: Draw Down
Test Duration: 60
Test Level: 82
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934711663
Test Type: Draw Down
Test Duration: 45
Test Level: 82
Test Level UOM: ft

Water Details

Water ID: 933610995
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 104
Water Found Depth UOM: ft

Site:
lot 7 ON

Database:
WWIS

Well ID: 2808958
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply

Data Entry Status:
Data Src: 1
Date Received: 4/1/1999
Selected Flag: Yes
Abandonment Rec:

Water Type:
Casing Material:
Audit No: 195952
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Contractor: 3406
Form Version: 1
Owner:
Street Name:
County: HALTON
Municipality: MILTON TOWN (NASSAGAWEYA)
Site Info:
Lot: 007
Concession:
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10155215
DP2BR: 31
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 31-AUG-98
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931453670
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 24
Formation End Depth: 31
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931453669
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 24

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931453671
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 31
Formation End Depth: 64
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933140366
Layer: 1
Plug From: 0
Plug To: 31
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962808958
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10703785
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930264127
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 64
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930264126
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 32
Casing Diameter: 6

Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992808958
Pump Set At:
Static Level: 9
Final Level After Pumping: 10
Recommended Pump Depth: 12
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934977471
Test Type: Draw Down
Test Duration: 60
Test Level: 10
Test Level UOM: ft

Water Details

Water ID: 933613000
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 57
Water Found Depth UOM: ft

Water Details

Water ID: 933613001
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 61
Water Found Depth UOM: ft

Site:
lot 8 ON

Database: ***WWIS***

Well ID: 2808972
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 195953
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:

Data Entry Status:
Data Src: 1
Date Received: 4/1/1999
Selected Flag: Yes
Abandonment Rec:
Contractor: 3406
Form Version: 1
Owner:
Street Name:
County: HALTON
Municipality: MILTON TOWN (NASSAGAWEYA)
Site Info:
Lot: 008
Concession:

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10155229
DP2BR: 50
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 01-SEP-98
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931453729
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 50
Formation End Depth: 98
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931453728
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 18
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931453727
Layer: 1
Color: 7

General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933140380
Layer: 1
Plug From: 0
Plug To: 51
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962808972
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10703799
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930264154
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 51
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930264155
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 98
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992808972
Pump Set At:
Static Level: 40

Final Level After Pumping: 44
Recommended Pump Depth: 46
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934977485
Test Type: Draw Down
Test Duration: 60
Test Level: 44
Test Level UOM: ft

Water Details

Water ID: 933613037
Layer: 3
Kind Code: 5
Kind: Not stated
Water Found Depth: 94
Water Found Depth UOM: ft

Water Details

Water ID: 933613036
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 85
Water Found Depth UOM: ft

Water Details

Water ID: 933613035
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 78
Water Found Depth UOM: ft

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 Sep 2018

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-Oct 2018

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

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-Jan 31, 2019

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 2014

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*

Commercial Fuel Oil Tanks: Provincial CFOT

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; 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: Feb 28, 2017

Chemical Register: 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, 2019

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 - Mar 2019

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-Mar 2019

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-Mar 31, 2019

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 - Oct 2018

Dry Cleaning Facilities: Federal DRYCLEANERS

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 2017

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-Mar 31, 2019

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-Mar 31, 2019

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-Mar 31, 2019

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-Jan 31, 2019

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: Dec 31, 2016

List of TSSA Expired Facilities: Provincial EXP

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

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.

Government Publication Date: Jun 2000-Oct 2018

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 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

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-Dec 31, 2018

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 2016

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*

TSSA Incidents: Provincial INC

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Sep 30, 2017

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*

Environmental Penalty Annual Report: Provincial MISA PENALTY

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 or 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, 2018

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-Jan 2018

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, 2017

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 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-Dec 31, 2018

National Energy Board Wells: Federal NEBW

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 OGW

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-Feb 28, 2019

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-May 2018

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-Mar 31, 2019

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*

Pesticide Register: 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: 1988-Sep 2018

TSSA Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), 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 pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: 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*

Permit to Take Water: 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-Mar 31, 2019

Ontario Regulation 347 Waste Receivers Summary: 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: 1986-2016

Record of Site Condition: 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-Mar 2019

Retail Fuel Storage Tanks: 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-Jan 31, 2019

Scott's Manufacturing Directory: Private SCT

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*

Ontario Spills: Provincial SPL

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.

Government Publication Date: 1988-Dec 2018

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, 2016

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-Aug 2018

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all 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. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

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-Mar 31, 2019

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: Dec 31, 2017

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.

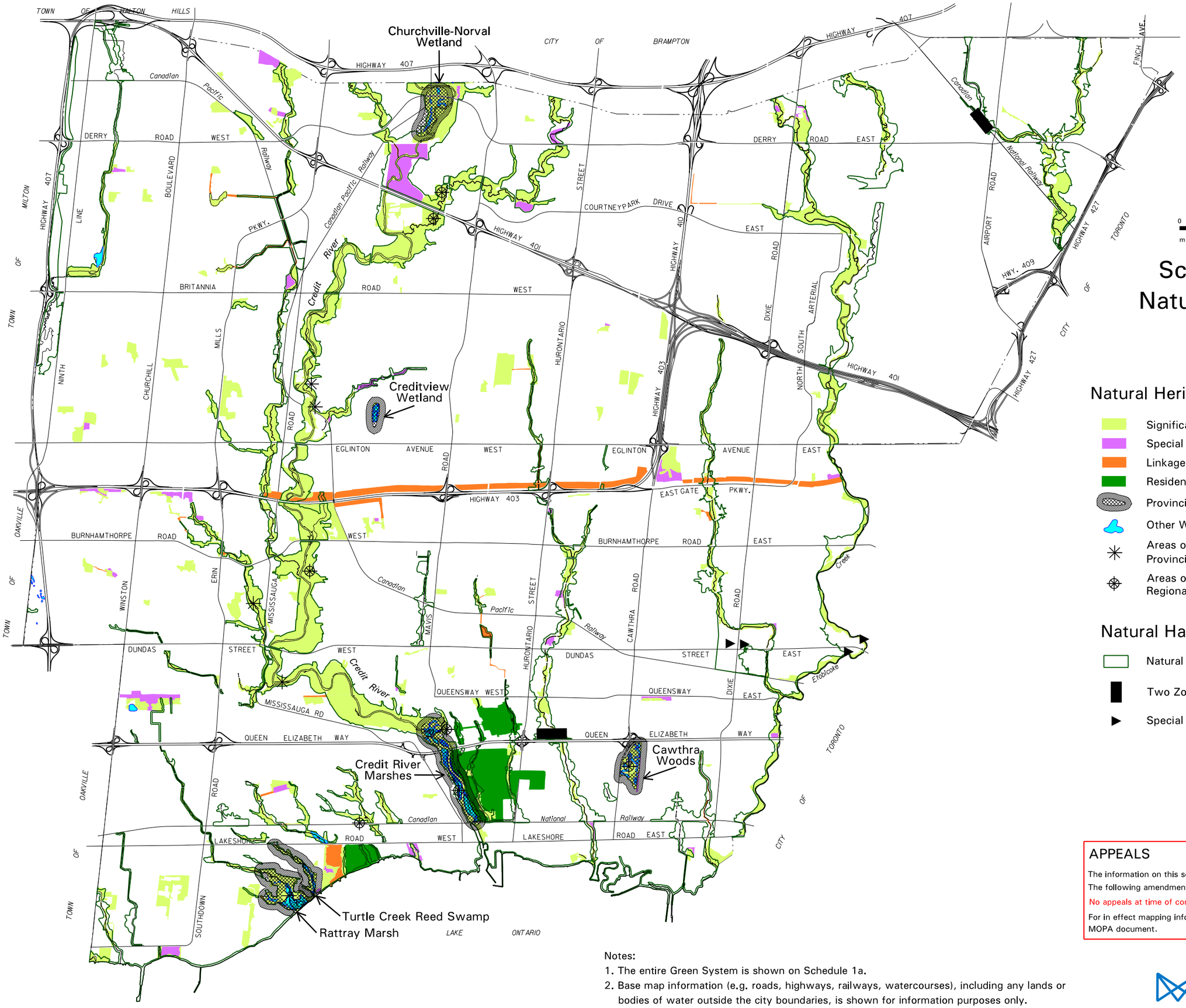
'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

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



0 500 1000 1500 2000
metres

Schedule 3
Natural System

Natural Heritage System:

- Significant Natural Areas and Natural Green Spaces
- Special Management Areas
- Linkages
- Residential Woodlands
- Provincially Significant Wetlands
- Other Wetlands
- Areas of Natural and Scientific Interest - Provincial Significance
- Areas of Natural and Scientific Interest - Regional Significance

Natural Hazards:

- Natural Hazards
- Two Zone Floodplain Regulations
- Special Policy Area Floodplain

APPEALS

The information on this schedule reflects Council adopted amendments.
The following amendments are under appeal and affect this schedule:
No appeals at time of consolidation.
For in effect mapping information refer to the Consolidation Tables and MOPA document.

Notes:
1. The entire Green System is shown on Schedule 1a.
2. Base map information (e.g. roads, highways, railways, watercourses), including any lands or bodies of water outside the city boundaries, is shown for information purposes only.
3. The limits of the Natural Hazards shown on this Schedule are for illustrative purposes only. The appropriate Conservation Authority should be consulted to determine their actual location.

MISSISSAUGA

Aphrodite.Koseos@dsconsultants.ca

From: Public Information Services <publicinformationservices@tssa.org>
Sent: April 30, 2019 3:21 PM
To: Aphrodite.Koseos@dsconsultants.ca
Subject: Re: UST/AST Search (No Record)

Hello,

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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.

Thank you and have a great day,

Roxana

Roxana Mashtaler | Public Information Agent
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3472 | Fax: +1-416-231-6183 | E-Mail: rmashtaler@tssa.org
www.tssa.org

From: Aphrodite.Koseos@dsconsultants.ca <Aphrodite.Koseos@dsconsultants.ca>
Sent: April 30, 2019 11:27 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: UST/AST Search

Good Morning,

Could you please check your database for the following addresses in Mississauga:

6314 Ninth Line
6302 Ninth Line
6288 Ninth Line
6376 Ninth Line
6352 Ninth Line
3952 Bentridge Road
6435 Hampden Woods Road

Thanks,

Aphrodite Koseos, B.Sc., EPt
Environmental Technician
DS Consultants Ltd.
6221 Highway 7, Unit 16, Vaughan, ON, L4H 0K8
Tel: (905) 264-9393
Cell: (604) 803-3418
www.dsconsultants.ca

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
Fax: (416) 314-4285

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

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

May 3, 2019

Aphrodite Koseos
DS Consultants Ltd.
6221 Highway 7, Unit 16
Vaughan, ON L4H 0K8

Dear Aphrodite Koseos:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2019-03055, Your Reference 18-692-100

The Ministry is in receipt of your request made pursuant to the *Freedom of Information and Protection of Privacy Act* and has received your payment in the amount of $5.00 (non-refundable application fee), along with your $30.00 deposit.

The search is being conducted on the following: 6314 Ninth Line, Mississauga. If there is any discrepancy please contact us immediately.

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search, copying and preparation time.

If you have any questions regarding this matter, please contact Sharon Menzies at Sharon.Menzies@ontario.ca.

Yours truly,

Janet Dadufalza
Manager, Access and Privacy

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
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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

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075

Ontario

May 9, 2019

Aphrodite Koseos
DS Consultants Ltd.
6221 Highway 7, Unit 16
Vaughan, ON L4H 0K8

Dear Aphrodite Koseos:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2019-03055, Your Reference 18-692-100

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 6314 Ninth Line, Mississauga.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Junyi Cai at 416-314-4075 or junyi.cai@ontario.ca.

Yours truly,

Janet Dadufalza
Manager, Access and Privacy

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
Fax: (416) 314-4285

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

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

May 3, 2019

Aphrodite Koseos
DS Consultants Ltd.
6221 Highway 7, Unit 16
Vaughan, ON L4H 0K8

Dear Aphrodite Koseos:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2019-03056, Your Reference 18-692-100

The Ministry is in receipt of your request made pursuant to the *Freedom of Information and Protection of Privacy Act* and has received your payment in the amount of $5.00 (non-refundable application fee), along with your $30.00 deposit.

The search is being conducted on the following: 6302 Ninth Line, Mississauga. If there is any discrepancy please contact us immediately.

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search, copying and preparation time.

If you have any questions regarding this matter, please contact Sharon Menzies at Sharon.Menzies@ontario.ca.

Yours truly,

Janet Dadufalza
Manager, Access and Privacy

哦哦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

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075

Ontario

May 9, 2019

Aphrodite Koseos
DS Consultants Ltd.
6221 Highway 7, Unit 16
Vaughan, ON L4H 0K8

Dear Aphrodite Koseos:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2019-03056, Your Reference 18-692-100

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 6302 Ninth Line, Mississauga.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

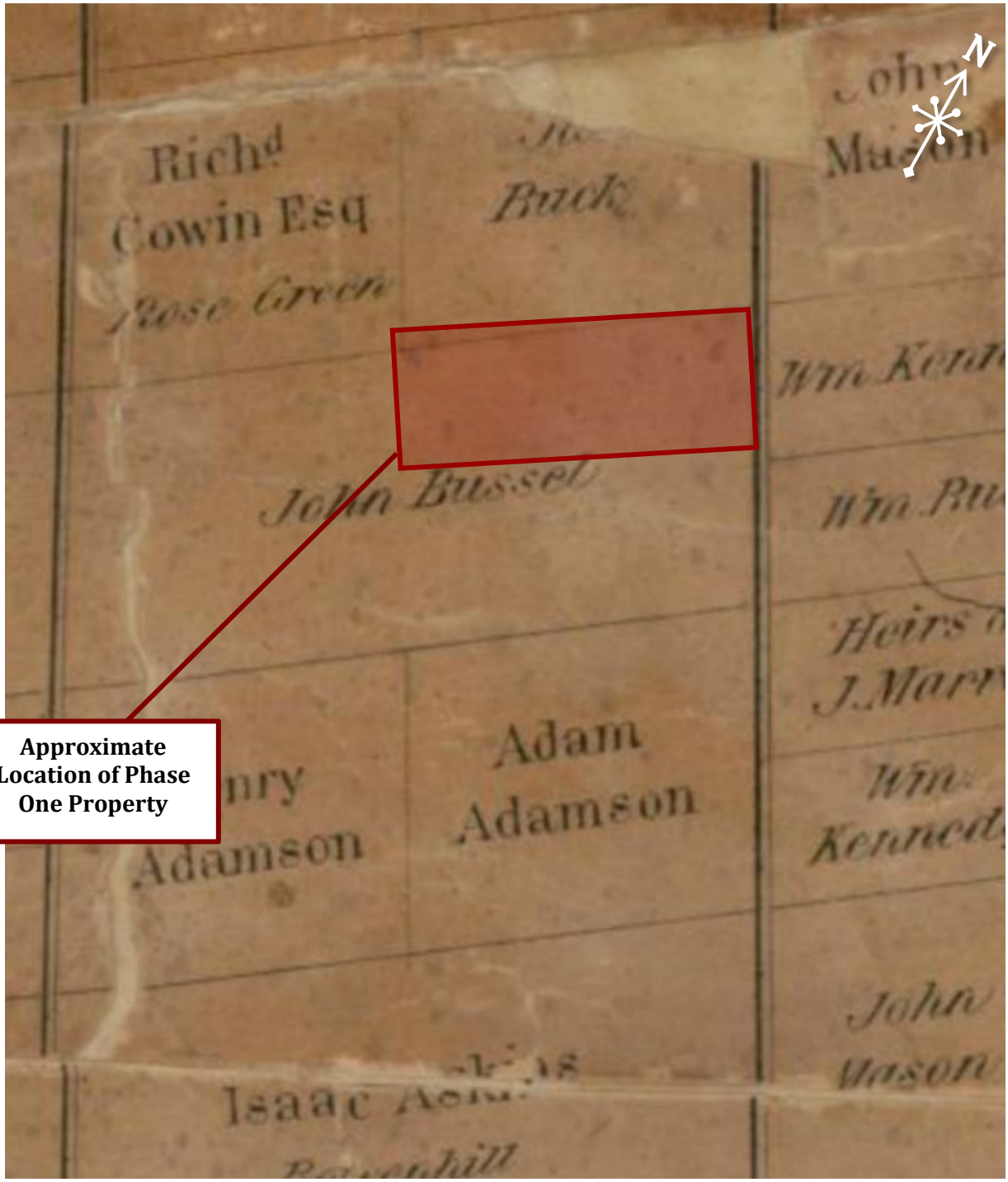
You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Junyi Cai at 416-314-4075 or junyi.cai@ontario.ca.

Yours truly,

Janet Dadufalza
Manager, Access and Privacy

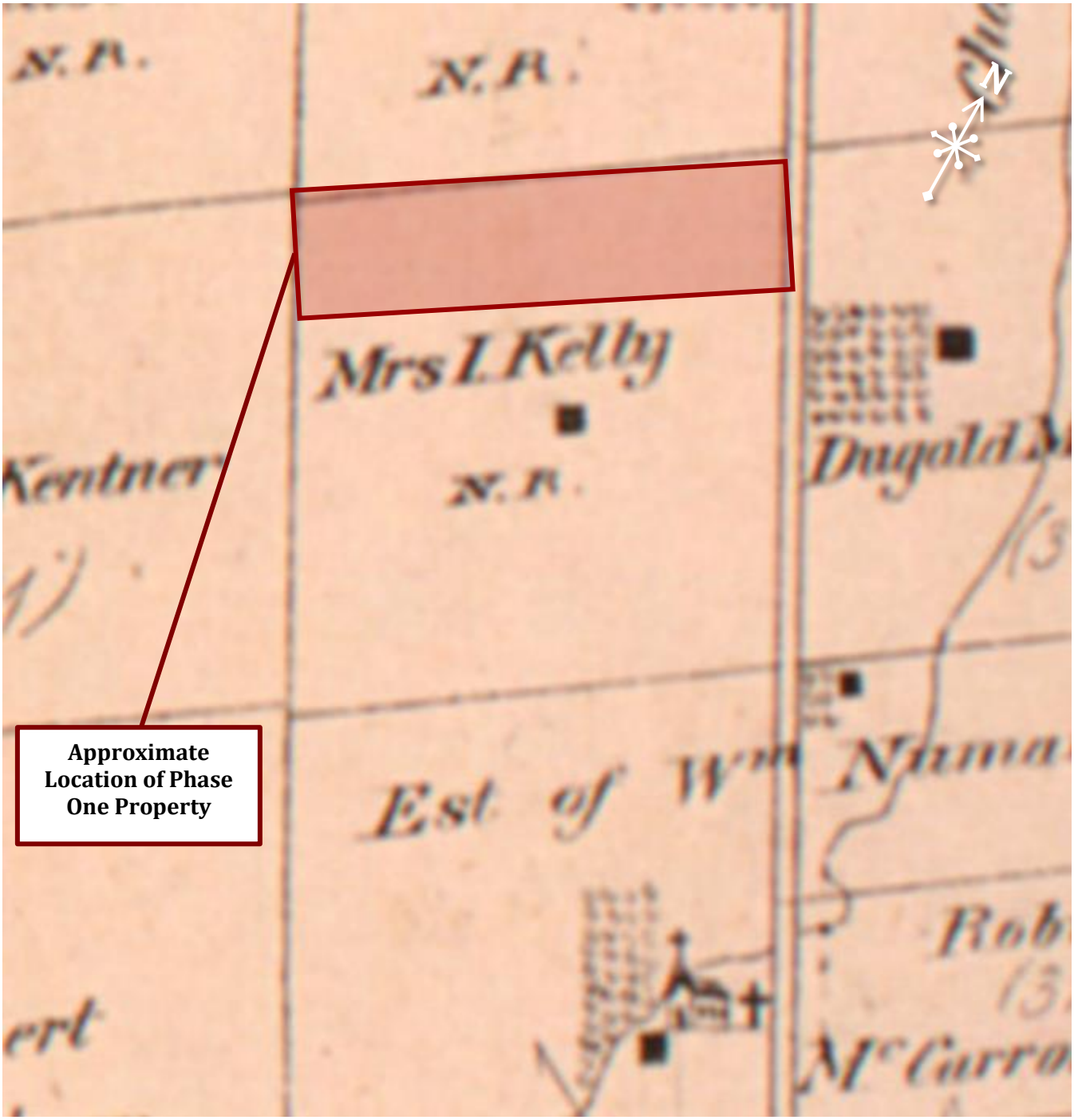
Appendix E



6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

COUNTY ATLAS: 1854

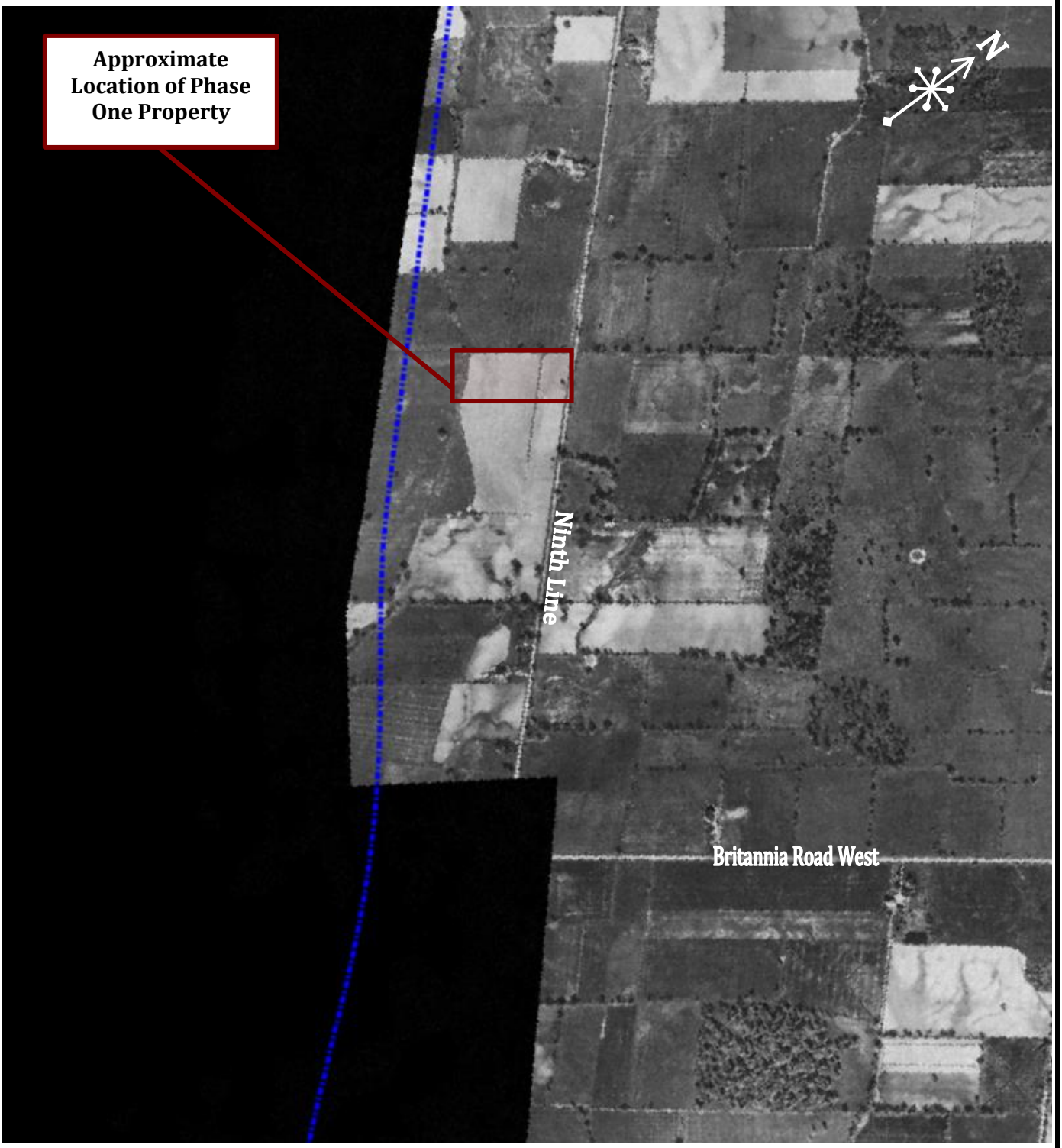
Scale: NTS	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: AK
Date: May 2019	**6302-6314 Ninth Line, Mississauga**	Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-1**



6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

COUNTY ATLAS: 1880

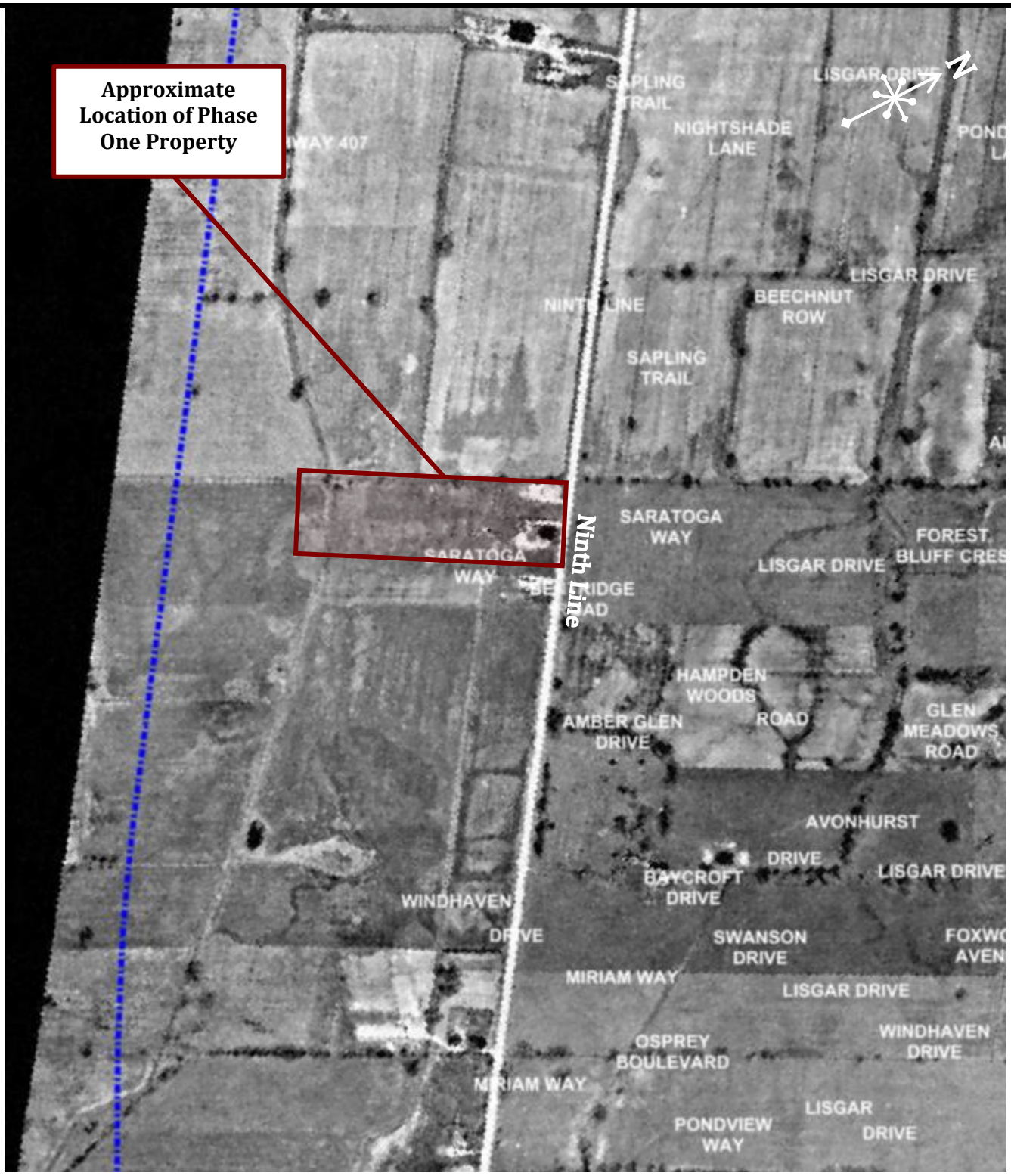
Scale: NTS	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: AK
Date: May 2019	**6302-6314 Ninth Line, Mississauga**	Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-2**



AERIAL PHOTOGRAPH: 1954

Scale: ~ 1:18000	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT** **6302-6314 Ninth Line, Mississauga**	Prepared By: AK
Date: May 2019		Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-3**

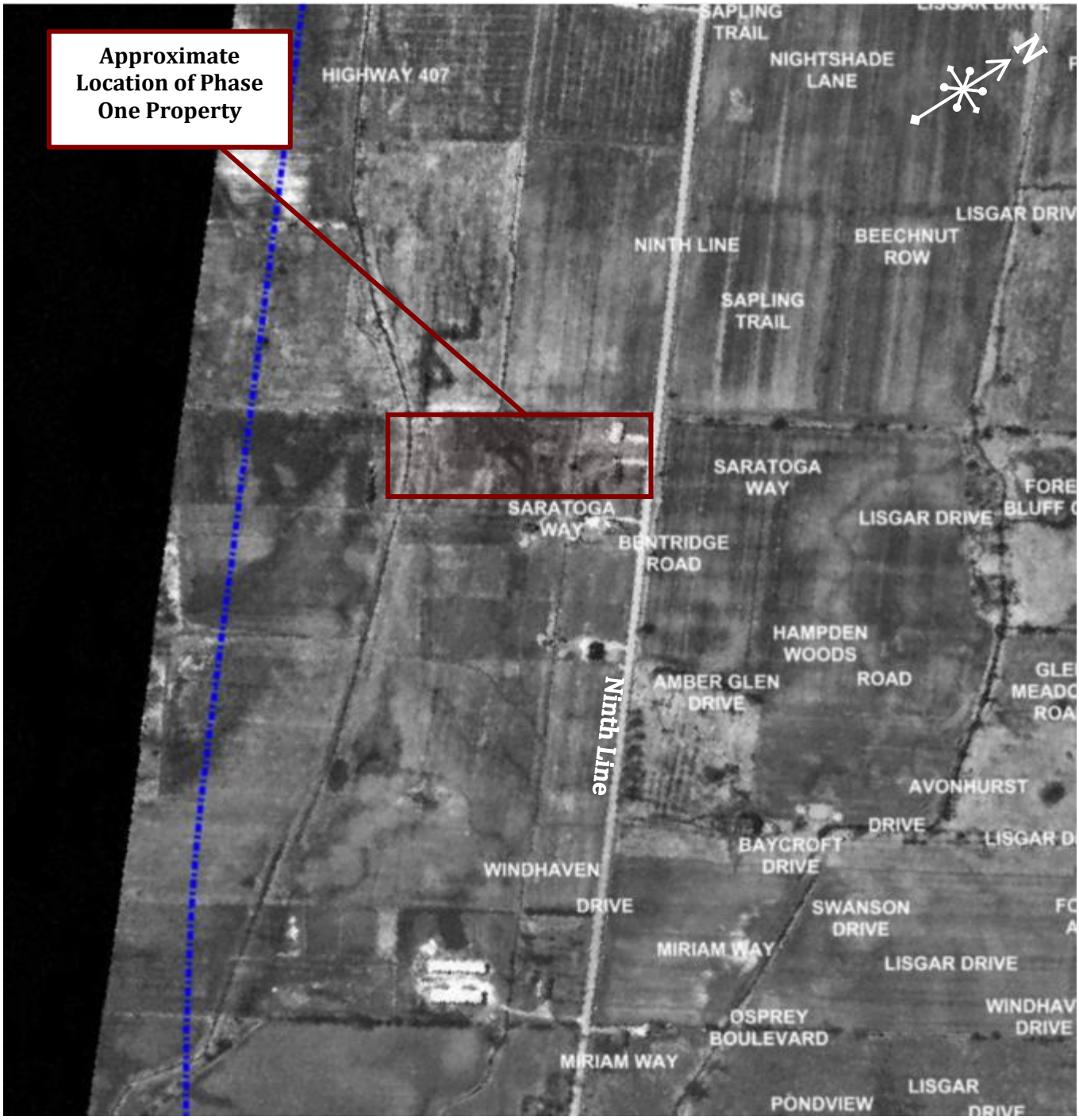
6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685



AERIAL PHOTOGRAPH: 1966

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

Scale: ~ 1:6000	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: AK
Date: May 2019	**6302-6314 Ninth Line, Mississauga**	Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-4**



6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

AERIAL PHOTOGRAPH: 1975

Scale: ~ 1:6000	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT** **6302-6314 Ninth Line, Mississauga**	Prepared By: AK
Date: May 2019		Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-5**

AERIAL PHOTOGRAPH: 1980

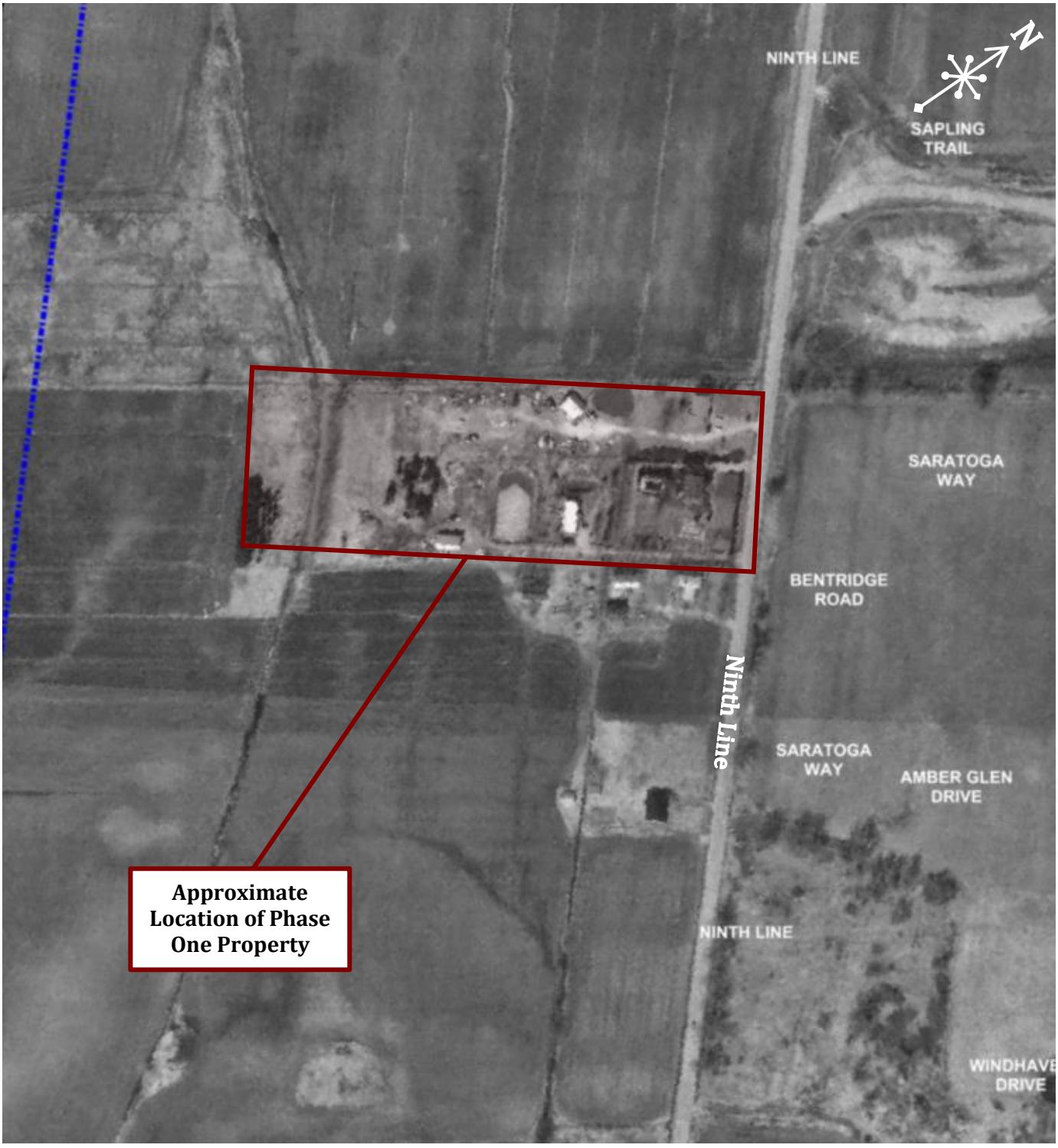
Scale: ~ 1:3500	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT** **6302-6314 Ninth Line, Mississauga**	Prepared By: AK
Date: May 2019		Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-6**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

AERIAL PHOTOGRAPH: 1985

Scale: ~ 1:3500	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT** **6302-6314 Ninth Line, Mississauga**	Prepared By: AK
Date: May 2019		Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-7**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685



AERIAL PHOTOGRAPH: 1992

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

Scale: ~ 1:3500	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT** **6302-6314 Ninth Line, Mississauga**	Prepared By: AK
Date: May 2019		Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-8**

AERIAL PHOTOGRAPH: 1997

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

Scale: ~ 1:3500	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: AK
Date: May 2019	**6302-6314 Ninth Line, Mississauga**	Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-9**

© City of Mississauga

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

AERIAL PHOTOGRAPH: 2000

Scale: ~ 1:4000	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: AK
Date: May 2019	**6302-6314 Ninth Line, Mississauga**	Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-10**

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

SATELLITE IMAGE: 2005

Scale: ~ 1:8500	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: AK
Date: May 2019	**6302-6314 Ninth Line, Mississauga**	Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-11**

© Google Earth

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

SATELLITE IMAGE: 2009

Scale: ~ 1:7500	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: AK
Date: May 2019	**6302-6314 Ninth Line, Mississauga**	Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-12**

© Google Earth

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

SATELLITE IMAGE: 2015

Scale: ~1:6500	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT**	Prepared By: AK
Date: May-19	**6302-6314 Ninth Line, Mississauga**	Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-13**

SATELLITE IMAGE: 2018

6221 Highway 7
Vaughan, ON L4H 0K8
T: 905-264-9393 F: 905-264-2685

Scale: ~1:5000	**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT** **6302-6314 Ninth Line, Mississauga**	Prepared By: AK
Date: May 2019		Reviewed By: RF
Project: 18-692-100	Prepared For: Britannia Developments Limited	Drawing No. **E-14**

Appendix F

Picture 1: View of the front of the residential dwelling on Parcel E. Overhead hydro cables can be seen leading to the roof of the Site Building H.

Picture 2: View of the east side of the Site Building H on Parcel E facing east.

Picture 3: View of the driveway leading to the vehicle storage lot located on the west side of Parcel E.

Picture 4: View of the monitoring well located behind the home on the north side of the property.

Picture 5: View of the sump in the basement of Site Building H, facing south.

Picture 6: View of the interior of the basement of Site Building H.

Picture 7: View of waster damage in the basement of Site Building H, facing northeast.

Picture 8: View of the interior of the main floor of Site Building H.

Picture 9: View of the abandoned domestic well located behind the house on Parcel E facing north.

Picture 10: View of the driveshed (Site Building I) and pond on Parcel E facing west.

Picture 11: View of the interior of Site Building I, facing northwest.

Picture 12: View of petroleum sheen on the surface of a puddle next to the garage on Parcel E.

Picture 13: View of overrunning water draining into the ditch between Parcels E and F, facing south.

Picture 14: View of the two storage sheds (Site Buildings J and K) on Parcel E facing southwest.

Picture 15: View of Site Building J on Parcel E.

Picture 16: View of the shipping containers used for storage, located on the western side of Parcel E.

Picture 17: View of the generator and a monitoring well at the bottom of a cell tower located on the western side of Parcel E.

Picture 18: View of the top of the cell tower located on the western side of Parcel E.

Picture 19: View of the underground hydro located near the cell tower on Parcel E.

Picture 20: View of the driveway leading to the back of the lot on Parcel F.

Picture 21: View of the front of Site Building A off of Ninth Line facing west.

Picture 22: View of the abandoned domestic well located at the rear (east side) of Site Building A.

Picture 23: View of the swimming pool at the rear (east side) of Site Building A.

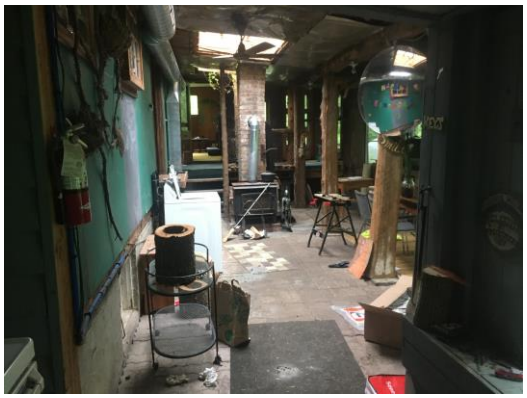
Picture 24: View of the office for Maple Hill Tree Services (Site Building B) facing west.

Picture 25: View of a shed used for Maple Hill Tree Services (Site Building C).

Picture 26: View of the stormwater management pond on Parcel F facing north.

Picture 27: View of Site Building E facing north.

Picture 28: View of Site Building D on Parcel F facing south.



Picture 29: View of the interior of Site Building A.

Picture 30: View of the sump and water leaks located in the basement of the Site Building A facing west.

Picture 31: View of water damage on the ceiling of one of the bedrooms in Site Building A.

Picture 32: View of the sump located in the basement of Site Building A, facing southwest.

Picture 33: View of abandoned piping, located in the basement of Site Building A, facing west.

Picture 34: View of water damage in the basement of Site Building A, facing west.

Picture 35: View of vent/fill pipe located in the basement of Site Building A, facing west.

Picture 36: View of the east adjacent property facing east

Picture 37: View of the south adjacent property facing south.

Picture 38: View of the north adjacent property facing northwest.

Picture 39: View of the west adjacent property facing west.

Appendix G

"Table of current and past uses of the phase one property"
(Refer to clause 16(2)(b), Schedule D, O.Reg. 153/04)
6314 Ninth Line, Mississauga, Ontario
Part of Lot 7, Concession 9, Trafalgar New Survey, as in 622055 City of Mississauga

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
Prior to 1846	Crown	Assumed agricultural	Agricultural or other use	None
1846	Philip Triller	Assumed agricultural	Agricultural or other use	None
1864	Marian Freeman & Zenus Freeman	Assumed agricultural	Agricultural or other use	None
1871	Isaac Kelly & Eleanor Kelly	Assumed agricultural	Agricultural or other use	None
1883	Dugald McGregor, Sr.	Assumed agricultural	Agricultural or other use	None
1888	Dugald McGregor, Jr.	Assumed agricultural	Agricultural or other use	None
1946	John Frederick Humphrey	Assumed agricultural	Agricultural or other use	None
1950	Victor McCallum & Catharine McCallum	Assumed agricultural	Agricultural or other use	None

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
1954	Stanley Gilbert	Assumed agricultural	Agricultural or other use	None
1958	Frederick John MacNamara & Ellen MacNamara	Assumed agricultural	Agricultural or other use	None
1964	Maurice Brown & Margaret Brown	Assumed agricultural	Agricultural or other use	None
1966	Maurice Brown & Margaret Brown	Assumed agricultural and Residential	Residential	Aerial Photograph in 1966 shows a residential building constructed on the eastern portion of the lot.
1969	The Director, The Veterans' Land Act	Assumed agricultural and Residential	Residential	None
1980	Margaret Brown	Assumed agricultural and Residential	Residential	None
1980	Richard Palo & Robert Palo	Assumed agricultural and Residential	Residential	None
1985	Cornellus Marinus Palo	Residential	Residential	Aerial Photograph in 1985 shows a driveshed and driveway constructed behind the residential structure on the eastern portion of the property. No evidence in the aerial photograph indicates that the property was also being used for agricultural purposes.

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc
1992	Cornellus Marinus Palo	Commercial vehicle and boat storage lot as well as Residential.	Commercial use	Previous reports, site interviews, and the site reconnaissance reported the property being used as a vehicle and boat storage lot. Aerial photographs confirm this property use as various vehicles are evident throughout the eastern portion of the property.
2010	Cornellus Marinus Palo The Lands are now Annexed from the Town of Milton to the City of Mississauga	Commercial vehicle and boat storage lot as well as Residential.	Commercial use	The property continues to be used for vehicle and boat storage, as displayed in the 2009 and 2015 Aerial Photograph.
2010	Cornellus Marinus Palo Rogers Communications Inc. (Lease)	Commercial vehicle and boat storage lot as well as Residential.	Commercial use	The property continues to be used for vehicle and boat storage, as displayed in the 2009 and 2015 Aerial Photograph. A cell tower located on the western portion of the property has been constructed.
2017-Present	Derry Britannia Developments	Commercial vehicle and boat storage lot as well as Residential.	Commercial use	According to the Site Interviews the property was acquired by Derry Britannia Developments Limited. The property continues to be used as a vehicle and boat storage lot by the previous owner. This is indicated by the 2018 Aerial Photograph and the Site Reconnaissance.

Notes:

1 - for each owner, specify one of the following types of property use (as defined in O.Reg. 153/04) that applies:

Agriculture or other use
Commercial use
Community use
Industrial use
Institutional use
Parkland use
Residential use

2 - when submitting a record of site condition for filing, a copy of this table must be attached

Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en francais, veuillez communiquer avec le ministère de l'Environnement et de l'Action en matière de changement climatique au 1-800-461-6290

"Table of current and past uses of the phase one property"
(Refer to clause 16(2)(b), Schedule D, O.Reg. 153/04)
6302 Ninth Line, Mississauga, Ontario
Part of Lot 7, Concession 9, Trafalgar New Survey, as in 5544998 City of Mississauga

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans,
Prior to 1854	Crown	Assumed agricultural	Agricultural or other use	The 1884 County Atlas shows no structures on the property.
1854	John Bussel			The 1884 County Atlas indicates that the property was owned by John Bussel.
1880	Mrs. I. Kelly	Assumed agricultural	Agricultural or other use	The 1880 County Atlas shows no structures on the property. It also shows that the property was owned by Mrs. I. Kelly. A structure is drawn on the south adjacent property.
1954	Private Owner	Assumed agricultural	Agricultural or other use	The 1954 Aerial Photograph shows no structure located on the property.
1957	Hill Family	Residential	Residential use	Previous reports indicate that the residential structure (Site Building A) currently present on the property was built in 1957. There is no evidence of the property being used for agricultural purposes as well as residential
1966	Hill Family	Residential	Residential use	The 1966 aerial photograph confirms the presence of the residential building.
1975	Hill Family	Residential	Residential use	No changes are indicated in the 1975 aerial photograph.
1980	Hill Family	Residential	Residential use	According to the 1980 aerial photograph, a shed (presumably Site Building B) has been constructed on the southeast corner of the property.

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans,
1985	Hill Family	Maple Hill Tree Services, an arborist company occupied the property, in addition to the residential house.	Commercial use	According to the City Directories, Maple Hill Tree Services has begun operating on the property at this time. The 1985 aerial photograph shows a shed has been constructed west of Site Building A.
1992	Hill Family	Maple Hill Tree Services, an arborist company occupied the property, in addition to the residential house.	Commercial use	An increased amount of vegetation is now present on the west side of the property, as indicated by the 1992 aerial photograph. A stormwater management pond has been constructed.
2000	Hill Family	Maple Hill Tree Services, an arborist company occupied the property, in addition to the residential house.	Commercial use	A significant increase in vegetation has occurred on the western portion of the property, as apparent in the 2000 aerial photograph.
2009	Hill Family	Maple Hill Tree Services, an arborist company occupied the property, in addition to the residential house.	Commercial use	According to the 2009 aerial photograph, two more storage buildings associated with Maple Hill Tree Services (Site Buildings D and F) have been constructed.
2017 - Present	Derry Britannia Developments Limited	Maple Hill Tree Services, an arborist company occupied the property, in addition to the residential house.	Commercial use	According to the Site Interviews, the property was acquired by Derry Britannia Developments Limited, however, the previous owner remains on-site as a tenant.

Notes:

1 - for each owner, specify one of the following types of property use (as defined in O.Reg. 153/04) that applies:

Agriculture or other use
Commercial use
Community use
Industrial use
Institutional use
Parkland use
Residential use

2 - when submitting a record of site condition for filing, a copy of this table must be attached

Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en francais, veuillez communiquer avec le ministère de l'Environnement et de l'Action en matière de changement climatique au 1-800-461-6290