

# **Phase One Environmental Site Assessment**

3270 Sixth Line  
Oakville, Ontario

## **Prepared For:**

Argo Development Corporation  
2173 Turnberry Road  
Burlington, ON  
L7M 4P8

**DS Project No :** 17-508-100  
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## Executive Summary

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DS Consultants Ltd. (DS) was retained by Argo Development Corporation (the “Client”) to conduct a Phase One Environmental Site Assessment (ESA) of the Property located at 3270 Sixth Line, Oakville, 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 12.58-hectare (31.08 acres) parcel of land situated within a mixed residential and agricultural neighbourhood in the Town of Oakville, Ontario. The Phase One Property is located approximately 1 kilometre (km) north of the intersection of Dundas Street West and Sixth Line and was vacant at the time of this investigation.

The Phase One Property was historically operated as an agricultural field with a residential dwelling, from the late 1800s to the late 1900s. The southwest corner of the Phase One Property has been occupied by cellular communication tower (commercial use) from the early 2000s until approximately 2017 when the tower was demolished.

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 historic 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 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.

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 176 metres above sea level (masl). The topography within the Phase One Study Area generally slopes to the southeasterly, towards Morrison Creek, located approximately 1.5 km southeast of the Phase One Property. A tributary of Morrison Creek is the nearest body of water to the Phase One Property and is located on the north adjacent property approximately. Based on a

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review of the MECP well records, the depth to groundwater in the vicinity of the Phase One Property is approximately 13.3-17.1 mbgs. The shallow groundwater flow direction within the Phase One Study Area is inferred to be southeasterly towards Morrison Creek;

- ◆ Based on a review of the OGS Earth database, the Phase One Property is situated a till moraine physiographic region, while the southern portion of the site is situated within a drumlinized till plain physiographic region. The surficial geology within the Phase One Study area is described as “clay to silt textured till derived from glaciolacustrine deposits or shale”, and the bedrock is described as “shale, limestone, dolostone, and siltstone of the Queenston Formation”. Based on a review of MECP Well Records, the bedrock in the Phase One Study Area is anticipated to be encountered at an approximate depth range of 3.0 to 10.0 metres below ground surface (mbgs);
- ◆ A total of three (3) PCAs were identified on the Phase One Property:
  - PCA#40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
    - According to aerial photographs and the chain of title, the Phase One Property is inferred to have been used as an agricultural field from the late 1800s until the late 1900s.
  - PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks
    - According to aerial photographs and the chain of title, a cell tower was historically present on the southwest corner of the Phase One Property from the early 200s to approximately 2017.
  - PCA#30 – Importation of Fill Material of Unknown Quality
    - Uneven terrain indicative of fill material was observed at the time of the site reconnaissance. Fill is inferred to have been deposited on the Phase One Property during the construction of the historical site buildings.
- ◆ The neighbouring properties within the Phase One Study Area appear to have been used for residential and agricultural purposes since the late 1800s.

Based on a review of the information available at this time it is concluded that three (3) PCAs were identified on the Phase One Property and within the Phase One Study Area which are considered to be contributing to three (3) 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 0-1 Summary of APECs Identified on Phase One Property**

<b>Area of Potential Environmental Concern</b>	<b>Location of Area of Potential Environmental Concern on Phase One Property</b>	<b>Potentially Contaminating Activity</b>	<b>Location of PCA (on-site or off-site)</b>	<b>Contaminants of Potential Concern</b>	<b>Media Potentially Impacted (Ground water, soil and/or sediment)</b>
APEC-1	On-site	PCA#40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications - Historical use of the Property for agricultural purposes	On Site	OC Pesticides	Soil and Ground water
APEC-2	Southeast portion of the Property	PCA#30 Importation of Fill Material of Unknown Quality - Inferred presence of fill material on-Site,	On Site	PHCs, BTEX, Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil
APEC-3	Within the vicinity of the historical communication tower on the southeast portion of the site.	PCA#28. Gasoline and Associated Products Storage in Fixed Tanks - Historical use of the portion of the Property for Roger Cell Tower	On Site	PHC (F1-F4), BTEX,	Soil and Ground water

The PCAs identified in Table 0-1 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 OCPs. 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.

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## 1.0 Introduction

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DS Consultants Ltd. (DS) was retained by Argo Development Corporation to complete a Phase One ESA of the Property located at 3270 Sixth Line, Oakville, 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.

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 historic 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 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.

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## 1.1 Phase One Property Information

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

**Table 1-1: Phase One Property Information**

Criteria	Information	Source
Legal Description	Part of the Lot 16, Concession 1, North of Dundas Street, PART 1 20R13395 AND PART 1 20R13449, Oakville, Regional Municipality of Halton	Legal Survey
Property Identification Number (PIN)	24929-0058 (LT) 24929-0192 (LT)	Legal Survey
Municipal Address	3270 Sixth Line, Oakville	Town of Oakville, Online Information
Zoning	Existing Development (ED)	Town of Oakville, Online Information
Property Owner	Emilia Marchetti	Chain of Title
Project Manager Contact Information	Mr. Kevin Singh 2173 Turnberry Road Burlington, ON, L7M 4P8 Email: kevin@argoland.com	Client
Current Site Occupants	Emilia Marchetti	Client
Site Area	12.58 hectares (31.08 acres)	Legal Survey
Centroid UTM Coordinates	Northing: 4815493.93 Easting: 601821.53 Zone: 17T	Google Earth

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## 1.2 Site Description

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The Phase One Property is a 12.58-hectare (31.08 acres) parcel of land situated within a mixed residential and commercial neighbourhood in the City of Oakville, Ontario. The Phase One Property is located approximately 1km north of the intersection of Dundas Street West and Sixth Line and was vacant at the time of this investigation. A Site Location Plan is provided in Figure 1.

For the purposes of this report, Dundas Street West is assumed to be aligned in an east-west orientation, and Sixth Line in a north-south orientation. A Plan of Survey for the Phase One Property dated November 7, 2016 and prepared by J.D. Barnes Limited, an Ontario Land Surveyor, has been provided under Appendix A.

The property was undeveloped and included no structures at the time of this investigation.

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## 2.0 Scope of Investigation

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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:



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- ◆ 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;
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- 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.

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## **3.0 Records Review**

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### **3.1 General**

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#### **3.1.1 Phase One Study Area Determination**

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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 agricultural 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 6.2. A plan depicting the Phase One Study Area limits as well as the current land uses is presented in Figure 3.

#### **3.1.2 First Developed Use Determination**

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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, fire insurance plans, city directories, and interviews. Based on the information obtained, the first developed use of the Phase One Property was for agricultural purposes and occurred in the late 1800s. A portion of the Property was later developed in the 1990s when a communication tower was built.

#### **3.1.3 Fire Insurance Plans**

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Fire insurance plans were prepared between 1875 and 1923 and revised in some areas until the 1970s. 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 the Phase One Property.

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### 3.1.4 Chain of Title

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A Chain of Title search for the Property was conducted as part of the Phase One ESA. The Chain of Title covered the period from 1808 to the current (2017) and is summarized in Section 6.1 of this report. The Chain of Title search indicated that the date of patent for the Phase One Property was issued to William Freeman in 1808. The Phase One Property appears to have been occupied by various private individuals from 1808 to 2017. The Phase One Property has been owned by the Marchetti family from 1968 to present. Based on the information provided, it is inferred that the first developed use of the Phase One Property was for agricultural land use.

Information for the chain of title and parcel register is provided in Appendix A.

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### 3.1.5 Environmental Reports

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

- ◆ *“Summary of Findings of Phase I Environmental Site Assessment, Part Lot 16, Concession 1, North of Dundas Street (Including 3270 Sixth Line), Oakville, Ontario (Marchetti Property)”*, prepared for Argo Developments Corporation, prepared by Sirati & Partners Consultants Ltd., dated February 21, 2017 (SPCL 2017 Phase One Summary); and
- ◆ *“Geotechnical Investigation, Proposes Residential Subdivision-3270 Sixth Line, Oakville, ON”*, prepared for Argo Developments Corporation, prepared by DS Consultants Ltd., dated April 2, 2018 (DS 2018 Geotech Investigation);

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 One Summary**

The SPCL 2017 Phase One 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:

- ◆ The Phase One Property was previously used for both agricultural purposes until 1999 when a cellular communication tower was built in the southeastern portion of the Site.
- ◆ The first developed use of the Phase One Property was determined to be agricultural, when the crown patent was issued to William Freeman in 1808.
- ◆ Four potentially contaminating activities were identified:
  - Electrical transformers associated with the former cell tower;

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- Piles of debris located on the property;
  - Fill material of unknown quality was present on the Phase One Property; and
  - The property was used as an agricultural field for over 100 years, it is possible that pesticides were historically used.

◆ A historical water well is located on the Phase One Property.

SPCL concluded that the portion of the property where the cell tower was previously located would require a Phase One ESA, a Phase Two ESA, and an RSC in accordance with O.Reg. 153/04 would be required if the property were to be redeveloped for residential purposes. SPCL also concluded that the water well observed on the Phase One Property should be located and decommissioned in accordance with O.Reg. 903.

### **DS 2018 Geotech Investigation**

The DS 2018 Geotech Investigation was conducted in order to investigate the subsurface conditions in order to provide preliminary recommendations pertaining to the geotechnical design of underground utilities. The investigation involved the advancement of thirteen (13) boreholes in November 2017. Upon borehole completion, six (6) monitoring wells were installed for purposes of groundwater level monitoring.

A 125 to 300mm thick layer of surficial topsoil was found on the Phase One Property. Underlying this was a layer of fill material extending approximately 1.5 to 3.1 meters below ground surface (mbgs). Or, a layer of weathered/disturbed till was observed extending approximately 0.6 to 1.0 mbgs. This was underlain by a silty clay till which was underlain by Shale Bedrock, which was encountered at depths ranging from 1.5 to 4.6 mbgs with corresponding elevations of 171.1 and 172.8 masl.

Groundwater was encountered in all of the monitoring wells installed by DS on the Phase One Property. On January 24, 2018 groundwater levels ranged approximately 0.6 to 4.6 mbgs.

#### **3.1.6 City Directories**

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City Directories for the years 1958 to 2001 were reviewed at the Metropolitan Toronto Reference Library. The review of the city directories (Oakville and Trafalgar Directory, Oakville Directory, and Peel Region and Ontario Criss-Cross Directory) revealed no information for the Phase One Property.

The review of directories indicated that the properties located in the Phase One Study Area were used for agricultural and residential purposes. According to the directories, the properties located along Sixth Line with municipal addresses 3148, 3158, 3369 and 3380 Sixth Line, were used for residential purposes since 1989.

A complete summary of the City Directory listings reviewed has been included under Appendix B.

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## **3.2 Environmental Source Information**

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### **3.2.1 Ecolog Eris Report**

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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 3-1: 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 was one listing for the Phase One Property, and forty-four 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 3-2: Summary of ERIS Report Findings on Phase One Property**

Database/Date	Entry Details
Water Well Information System	The Property included one domestic well installed in 1970. The well was installed in brown clay to approximately 3 m (11 ft). Red shale bedrock was observed to the bottom of the well at 14 m (45 ft).

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

Database/Date	Entry Details
ERIS Historical Searches	According to the ERIS searches, the property located at 3380 6 <sup>th</sup> Line included two historical searches in 2013.
Record of Site Condition	The property to the northeast, 3369 Sixth Line was registered for a record of site condition in 2015.
Water Well Information System	Ten (10) wells were identified within the Phase One Study Area. Two (2) of the wells were for abandoned or other use. Seven (7) of the wells were monitoring or observation wells except. One (1) domestic water well, installed in 1993, was located on the north adjacent property (Lot 16, Concession 1).

### **3.2.2 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 from the Ministry was received on March 26, 2018. According to the MECP, information for Environmental Compliance Approval, dated March 2012 and July and August 2013 regarding stormwater Management Facility was available. The response is presented in Appendix C. The



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response provided details regarding the installation of a stormwater management pond is not considered to be a potentially contaminating activity on the Phase One Property.

### **3.2.3 Technical Standards and Safety Authority**

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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 May 13, 2018 from Ms. Sherees 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.

### **3.2.4 Areas of Natural and Scientific Interest**

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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. The Halton Region and Town of Oakville Official Plans, as well as Conservation Halton were also reviewed as part of this assessment.

A review of these databases indicated the Northern Bobwhite as an endangered within 1 km of the Site, according to the MNRF. The North Oakville-Milton East Wetland complex is present on the south adjacent property and on the southern boarder of the Phase One Property, according to the MNRF and Conservation Halton. According to the Halton Region Official Plan the Phase One Property is located within a Regional Natural Heritage System.

According to the MNRF, the Northern Bobwhite is a bird that prefers abandoned farm field and grassland areas, during the winter they are known to migrate to mildly forested areas. As the Phase One Property is located within a developed residential/agricultural neighborhood, it is not likely to provide a viable habitat for such species.

If required, an environmental specialist could be retained to undertake a site-specific ecological assessment, however at this time further assessment is not warranted.

### **3.2.5 Conservation Halton (CH)**

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According to the CH online mapping system, no watercourse is present on the Property. A wetland borders the Site on the south adjacent property. The Phase One Property is located within the Sixteen Mile Creek watershed.

### 3.3 Physical Setting Sources

#### 3.3.1 Aerial Photographs and Historical Mapping

Aerial Photographs for the years 1954, 1979 and 1987 were obtained from the Regional Municipality of Halton. Aerial Photographs for the years 1995, 1999 and 2002 were obtained from the Town of Oakville Online Mapping system and reviewed as part of this assessment. The Halton County Map and the Halton County Atlas were reviewed in order to provide a more historical image from the years 1858 and 1880. Google Earth was used to review satellite imagery from the years 2004, 2006, 2012 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 3-4: Summary of Aerial Photographs**

Year	Phase One Property	Phase One Study Area
1858	According to the Halton County Map the Phase One Property was owned by Isaac Freeman. A stream is depicted running through the central portion of the property.	<p>North: Burnhamthorpe Road appears to have been constructed at this time. The north adjacent properties are undeveloped.</p> <p>South: Dundas Street East appears to have been constructed at this time. The south adjacent properties are undeveloped. A stream runs south from the Phase One Property through Dundas Street East.</p> <p>East: Sixth Line has been constructed at this time. The east adjacent properties are undeveloped.</p> <p>West: The west adjacent properties are undeveloped.</p>
1880	No significant changes.	<p>North, West: No significant changes.</p> <p>East: An orchard is depicted on the east adjacent property.</p> <p>South: And orchard is depicted on a south neighbouring property, greater than 250m away from the Phase One Property.</p>
1979	Four buildings have been constructed on the southern portion of the Phase One Property. Two driveways have been constructed on the southern portion of the property leading to the buildings. The stream no longer runs through the property.	<p>North, South, West: No significant changes.</p> <p>East: A residential building has been constructed on the east adjacent property in the vicinity of the orchard depicted in 1880.</p>
1987	A majority of the site buildings have been demolished. One residential building remains in the southeast corner. A driveway leading to the house remains. Several storage sheds are located behind the residential building.	<p>South: Many residential buildings have been constructed along Sixth Line.</p> <p>North, East, West: No significant changes.</p>
1995	No significant changes. The Phase One Property appears to be used for agricultural purposes.	<p>North: What appears to be a residential dwelling has been developed on the north adjacent</p>

Year	Phase One Property	Phase One Study Area
		property. It appears to be used for agricultural purposes. South, East, West: No significant changes.
1999	The structures in the vicinity of the residential building appear to be three storage sheds. The driveway leading to the residential structure has partially grown over.	North: What appears to be an agricultural building has been constructed behind the residential building on the Phase One Property. South, East, West: No significant changes.
2002	The residential building on-Site has been demolished. A pile of debris where the residential dwelling was located is currently present. A Communication Tower has been erected in the vicinity of the previous driveway. The three storage sheds remain in the vicinity of the previous residential dwelling.	North, South, East West: No significant changes.
2004	All three storage sheds remain on the property. The communication tower and a generator are present on the Phase One Property.	North, South, East, West: No significant changes.
2006	No significant changes.	North, South, East, West: No significant changes.
2013	Two of the storage sheds have been removed.	South: What appears to be major redevelopment has occurred on the south adjacent property. Many residential dwellings have been built and excavations have begun for additional housing.
2015	No significant changes	South: More residential home shave been constructed on the south adjacent property.
2017	The communication tower and the last remaining storage shed have been removed.	North, South, East, West: No significant changes.

### 3.3.2 Topography, Hydrology, Geology

The topography of the Phase One Property is generally flat, with a surface elevation of 176 metres above sea level (masl). The topography within the Phase One Study Area generally slopes to the southeasterly, towards Morrison Creek, located approximately 1.5 km southeast of the Phase One Property. A tributary of Morrison Creek is the nearest body of water to the Phase One Property and is located on the north adjacent property approximately. Based on the data collected by the Geotechnical Investigation conducted by DS, the depth to groundwater in the vicinity of the Phase One Property is approximately 0.6 – 4.6 mbgs. The shallow groundwater flow direction within the Phase One Study Area is inferred to be southeasterly towards Morrison Creek.

The northern portion of the site is situated within a till moraine physiographic region, while the southern portion of the site is situated within a drumlinized till plain physiographic region. The surficial geology within the Phase One Study area is described as “clay to silt textured till derived from glaciolacustrine deposits or shale”, and the bedrock is described as “shale, limestone, dolostone, and siltstone of the Queenston Formation”. Based on the Geotechnical Investigation conducted the

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bedrock was encountered between 1.5 and 4.6 mbgs with corresponding elevations of 172.8 and 172.6 masl.

### **3.3.3 Fill Materials**

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Based on the records review, it is anticipated that fill material is in the vicinity of the historical communication tower, the historical buildings, and the historical driveways. During the site visit, berm approximately one meter high was observed on the southern portion of the Property.

Fill material ranging from 1.0 to 3.1 m in thickness was encountered in three of the boreholes advanced as part of the geotechnical investigation., within the vicinity of the historical residential building and the historical cell tower.

### **3.3.4 Water Bodies and Areas of Natural Significance**

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During the site visit, standing water was not observed on the Property. The nearest body of water to the Phase One Property is a tributary of Morrison Creek, located along the northern boundary of the Phase One Property. A tributary of Shannon's Creek runs along the southern border 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.

According to the Oakville Official Plan, Livable Oakville, the Phase One Property lies within a natural Heritage Area. A woodlot is located on the south adjacent property bordering the Phase One Property and housing the tributary of Shannon's Creek. According to the Official Plan Base Map this woodlot is known as Preserve Woods.

### **3.3.5 Well Records**

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Water well records were also searched as part of the EcoLog ERIS database query. One (1) record was available for the Phase One Property, and ten (10) wells were located within the Phase One Study Area.

According to the MECP Well Records, one domestic well (Well ID 2803433) advanced in September 1970 was located on the Phase One Property to a maximum depth of approximately 13.7 mbgs. Groundwater was found to be 13.3 mbgs. Another domestic well was located within the Phase One Study Area on the north adjacent property at a depth of 18.3 mbgs, groundwater was observed at 17.1 mbgs.

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

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### 3.4 Site Operating Records

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The Property includes no structure and has mainly been used for agricultural purposes. No operating records were available.

## 4.0 Interviews

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### 4.1 Personnel Interviewed

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

**Table 4-1: Summary of Personnel Interviewed**

Date	Name	Affiliation	Position	Method of Interview
November 2017	Ms. Anne Marie Marchetti	Property Owner	Property Owner	Telephone
November 2017	Mr. Adam Huycke	Halton Region, Planning Services	Intermediate Planner, Community Planning	Telephone
November 2017	Mr. Kevin Singh	Argo Development Corporation	Project Manager	Telephone

### 4.2 Interviewee Rationale

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Ms. Anne Marie Marchetti is the current property owner and has been since the late 1960s. Ms. Anne Marie Marchetti is considered to be the most knowledgeable person regarding the historical site operations. The Phase One Interview was conducted by Blaine Dobson, P.Geo.

### 4.3 Results of Interview

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

- According to the site representative the Phase One Property has been used for agricultural purposes (crop field).
- The land has been rented to a farmer for many years.
- The Phase One Property has been owned by Marchetti family since 1960s.
- The Phase One Property (southern portion) was leased to Roger Cantel in 1999 and the lease was cancelled in 2015.
- The Property has no underground or aboveground storage tanks.
- No information was available for the Property if cited for violations of any provincial or federal environmental laws or regulations.
- No information for individuals with additional knowledge of the Property was available to interview.

- No soil or ground water remediation has been completed at the Property.

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.

## 5.0 Site Reconnaissance

### 5.1 General Requirements

**Table 5-1: Site Reconnaissance Notes**

Information	Details
Date of Investigation:	November 26, 2018
Time of Investigation:	9:00 am
Weather Conditions:	Cloud mix and sun, 10°C
Duration of Investigation:	1 hour
Facility Operation:	Vacant
Name and Qualification of Person(s) conducting the assessment	Tanner Leonhardt, B.Eng, EIT under the supervision of Rick Fioravanti, B.Sc., P.Geo., QP <sub>ESA</sub>
Limitations	No limitations

### 5.2 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 5-2: Summary of Site Reconnaissance Observations**

General	
i. Description of structures and other improvements, including the number and age of buildings	No structures were present on the property at the time of this investigation.
ii. Description of the number, age and depth of below-ground structures	No below ground structures were present on the Phase One Property.

<p>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</p>	<p>No above or below ground storage tanks were observed on the Phase One Property at the time of the investigation.</p>
<p>iv. Potable and non-potable water sources</p>	<p>One potable well was observed on the Phase One Property. This well is inferred to be the well installed in 1970 as outlined in the historical records analyzed. A fire hydrant was located along Sixth Line, indicating the Phase One Study area is municipally sourced.</p>
<p><b>Underground Utilities and Corridors</b></p>	
<p>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.</p>	<p>No utility services appeared to be servicing the Phase One Property at the time of Site Reconnaissance. Phone and cable services were observed for the residential buildings located along Sixth Line.</p>
<p><b>Features of Structures and Buildings at the Phase One Property</b></p>	
<p>i. Entry and exit points</p>	<p>None.</p>
<p>ii. Details of existing and former heating systems, including type and fuel source</p>	<p>None.</p>
<p>iii. Details of cooling systems, including type and fuel source, if any</p>	<p>None.</p>
<p>iv. Details of any drains, pits and sumps, including their current use, if any, and former use</p>	<p>None.</p>
<p>v. Details of any unidentified substances</p>	<p>None.</p>
<p>vi. Details, including locations of strains or corrosion on floors other than from water, where located near a drain, pit, sump, crack or other potential discharge location</p>	<p>None.</p>
<p>vii. Details, including locations, of current and former wells, including all wells described or defined in or under the <i>Ontario Water Resources Act</i> and the <i>Oil, Gas and Salt Resources Act</i></p>	<p>None.</p>
<p>viii. Details of sewage works, including their location</p>	<p>None.</p>
<p>ix. Details of ground surface, including type of ground cover, such as grass, gravel, soil or pavement</p>	<p>None.</p>

x.	Details of current or former railway lines or spurs and their locations	None.
xi.	Areas of stained soil, vegetation or pavement	None.
xii.	Stressed vegetation	None.
xiii.	Areas where fill and debris materials appear to have been placed or graded	None.
xiv.	Potentially contaminating activity	None.
xv.	Details of any unidentified substances found at the Phase One Property	None.
<b>Enhanced Investigation Property</b>		
	Where subsection 13(3) applies to the Phase One Property, provide the documentation referred to in subsection 13(3)	<p>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:</p> <ul style="list-style-type: none"> <li>◆ Any industrial use</li> <li>◆ As a garage</li> <li>◆ As a bulk liquid dispensing facility, including a gasoline outlet</li> <li>◆ For the operation of dry cleaning equipment</li> </ul> <p>There is no indication in the historical records of the Phase One Property being used for any of the aforementioned uses, and as such the Phase One Property is not considered an enhanced investigation property.</p>
<b>Hazardous Materials</b>		
i.	Asbestos containing materials	Asbestos and asbestos-containing materials were used as insulation and construction materials until being phased out in the late 1970s. There are currently no structures present on the Phase One Property.
ii.	Lead containing materials	The use of lead as a base in paints and plumbing solder was phased out in the late 1970s. There are currently no structures present on the Phase One Property.
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. There are currently no structures present on the Phase One Property.
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. There are currently no structures present on the Phase One Property.
v.	Ozone Depleting Substances (ODS)	There are currently no structures present on the Phase One Property.
vi.	Herbicides and Pesticides	There are currently no structures present on the Phase One Property.



vii.	Mould	There are currently no structures present on the Phase One Property.
viii.	Mercury	There are currently no structures present on the Phase One Property.
ix.	acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, silica, vinyl chloride	There are currently no structures present on the Phase One 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.

### 5.3 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 5-3: Summary of Site Reconnaissance Observations within Phase One Study Area**

Observation	Details
Phase One Property	The Phase One Property was vacant and in fallow at the time of the site reconnaissance. The gravel road observed in the aerial photographs was present. There was no gravel in the vicinity of the historical residential home.
North Adjacent Property	The north adjacent Property was occupied by one residential home and an agricultural field at the time of the site reconnaissance and was used for agricultural purposes.
East Adjacent Property	The east adjacent Property was vacant at the time of the site reconnaissance and appeared to be undergoing development.
South Adjacent Property	The south adjacent Property was occupied vacant at the time of the site reconnaissance and was used for agricultural purposes. The south neighbouring properties consisted of a developed residential neighbourhood.
West Adjacent Property	The west adjacent Property was undeveloped at the time of the site reconnaissance and appeared to be used for agricultural purposes.
Water Bodies	No water bodies were present on the Phase One Property. A small creek was observed on the south and north adjacent property.

Observation	Details
Areas of Natural Significance	A wooded lot was located on the south adjacent property. This was inferred to be the Preserve Woods, part of a Natural Heritage 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 6.2. A visual depiction of the PCAs identified within the Phase One Study Area is provided under Figure 4.

## 6.0 Review and Evaluation of Information

### 6.1 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.

### 6.2 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 6-1: 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#40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Historical use of the Property for agricultural purposes	Yes – APEC1
2	PCA#30: Importation of Fill Material of Unknown Quality	Fill material is anticipated in the vicinity of the historical residential home, storage buildings, and communication tower.	Yes – APEC 2
3	PCA#28: Gasoline and Associated Products Storage in Fixed Tanks	Historical presence of a generator used to service the historical communication tower.	Yes – APEC 3
4	PCA #40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	A historical orchard was present on the east adjacent property.	No – due to the distance and orientation of the property.

### 6.3 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 6-2: Summary of APECs identified on the 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	On-site	PCA#40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications - Historical use of the Property for agricultural purposes	On Site	OC Pesticides	Soil and Ground water
APEC-2	Southeast portion of the Property	PCA#30 Importation of Fill Material of Unknown Quality - Inferred presence of fill material on-Site,	On Site	PHCs, BTEX, Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR	Soil
APEC-3	Within the vicinity of the historical communication tower on the southeast portion of the site.	PCA#28 Gasoline and Associated Products Storage in Fixed Tanks - Historical use of the portion of the Property for Roger Cell Tower	On Site	PHC (F1-F4), BTEX	Soil and Ground water

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.

## 6.4 Phase One Conceptual Site Model

A Conceptual Site Model was developed for the Phase One Property, located at 3270 Sixth Line, Oakville. 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

### 6.4.1 Potentially Contaminating Activity Affecting the Phase One Property

All PCAs identified within the Phase One Study Area are presented on Figure 4 and discussed in Section 2.2 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 6-3: Summary of PCAs Contributing to APECs**

PCA Item.	PCA Description (Per. Table 2, Schedule D of O.Reg. 153/04)	Description	Contributing to APEC (Y/N)
1	PCA#40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Historical use of the Property for agricultural purposes	Yes – APEC1
2	PCA#30: Importation of Fill Material of Unknown Quality	Fill material is anticipated in the vicinity of the historical residential home, storage buildings, and communication tower.	Yes – APEC 2
3	PCA#28: Gasoline and Associated Products Storage in Fixed Tanks	Historical presence of a generator used to service the historical communication tower.	Yes – APEC 3

### 6.4.2 Contaminants of Potential Concern

A summary of the contaminants of potential concern identified for each respective APEC is presented in Table 6-2 above. The following contaminants of potential concern were identified for the Phase

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One Property: PHC (F1-F4), VOCs, Metals, As, Sb, Se, B-HWS, CN-, electrical conductivity, Cr (VI), Hg, low or high pH, SAR, and OCPs.

### **6.4.3 Underground Utilities and Contaminant Distribution and Transport**

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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 not identified at the Phase One Property. It is not anticipated that any historical utilities present would have the potential to act as preferential pathways for contaminant transport.

### **6.4.4 Geological and Hydrogeological Information**

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The topography of the Phase One Property is generally flat, with a surface elevation of 176 metres above sea level (masl). The topography within the Phase One Study Area generally slopes to the southeasterly, towards Morrison Creek, located approximately 1.5 km southeast of the Phase One Property. A tributary of Morrison Creek is the nearest body of water to the Phase One Property and is located on the north adjacent property approximately. Based on a review of the MECP well records, the depth to groundwater in the vicinity of the Phase One Property is approximately 13.3-17.1 mbgs. The shallow groundwater flow direction within the Phase One Study Area is inferred to be southeasterly towards Morrison Creek.

The northern portion of the site is situated within a till moraine physiographic region, while the southern portion of the site is situated within a drumlinized till plain physiographic region. The surficial geology within the Phase One Study area is described as “clay to silt textured till derived from glaciolacustrine deposits or shale”, and the bedrock is described as “shale, limestone, dolostone, and siltstone of the Queenston Formation”. Based on a review of MECP Well Records, the bedrock in the Phase One Study Area is anticipated to be encountered at an approximate depth range of 3.0 to 10.0 metres below ground surface (mbgs).

### **6.4.5 Uncertainty and Absence of Information**

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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.

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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 does not affect the validity of the Phase One ESA Conceptual Site Model or the conclusions of this report.

## **7.0 Conclusions**

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### **7.1 Phase Two Environmental Site Assessment Requirement**

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DS conducted a Phase One ESA for the property located at 3270 Sixth Line, Oakville. 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 three (3) PCAs were identified within the Phase One Study Area which are considered to be contributing to three (3) 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).

### **7.2 RSC Based on Phase One Environmental Site Assessment**

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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.

### **7.3 Limitations**

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This report was prepared for the sole use of Argo Development Corporation and is intended to provide an assessment of the environmental condition on the property located at 3270 Sixth Line, Oakville. 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.

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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.

#### **7.4 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 experience in the environmental sector conducting Phase One and Phase Two Environmental Site Assessments.

##### **Mr. Patrick (Rick) Fioravanti, B.Sc., P.Geo., QP<sub>ESA</sub>**

Mr. Fioravanti is the Manager of Environmental Services 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 nine 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. 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).

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## 7.5 Signatures

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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**



**Patrick Fioravanti, B.Sc., P.Geo., QP<sub>ESA</sub>**  
**Manager – Environmental Services**



---

## 8.0 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)



---

# Figures



**3270 SIXTH LINE  
OAKVILLE, ON**

**Legend**

 Site Boundary

 **DS CONSULTANTS LTD.**  
 6221 Highway 7, UNIT 16  
 Vaughan, Ontario L4H 0K8  
 Telephone: (905) 264-9393  
 www.dsconsultants.ca

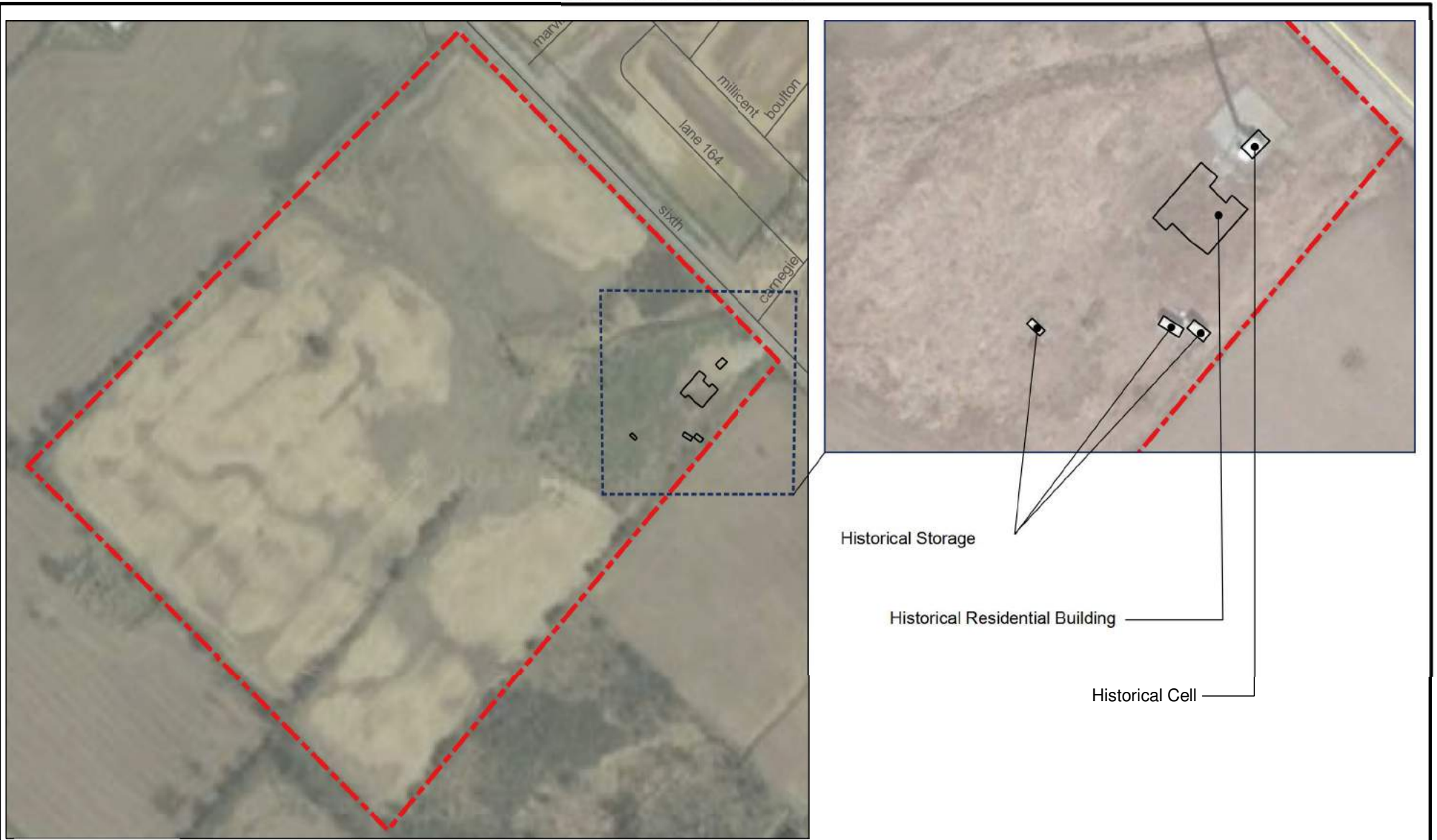
Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT  
 3270 Sixth Line, Oakville, ON

Title: **SITE LOCATION PLAN**




Client: <b>ARGO DEVELOPMENT CORPORATION</b>	Size: 8.5 x 11	Approved By: R.F	Drawn By: S.Y	Date: August 2019
	Rev: 1	Scale: As Shown	Project No.: 17-508-100	Figure No.: <b>1</b>

Image/Map Source: Google Street Map



Legend

 Site Boundary



**DS CONSULTANTS LTD.**

6221 Highway 7, UNIT 16  
 Vaughan, Ontario L4H 0K8  
 Telephone: (905) 264-9393  
 www.dsconsultants.ca

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT  
 3270 Sixth Line, Oakville, ON

Title: **PHASE ONE PROPERTY SITE PLAN**



Client:  
 ARGO DEVELOPMENT CORPORATION

Size:  
 8.5 x 11

Rev:  
 1

Approved By: R.F

Scale: As Shown

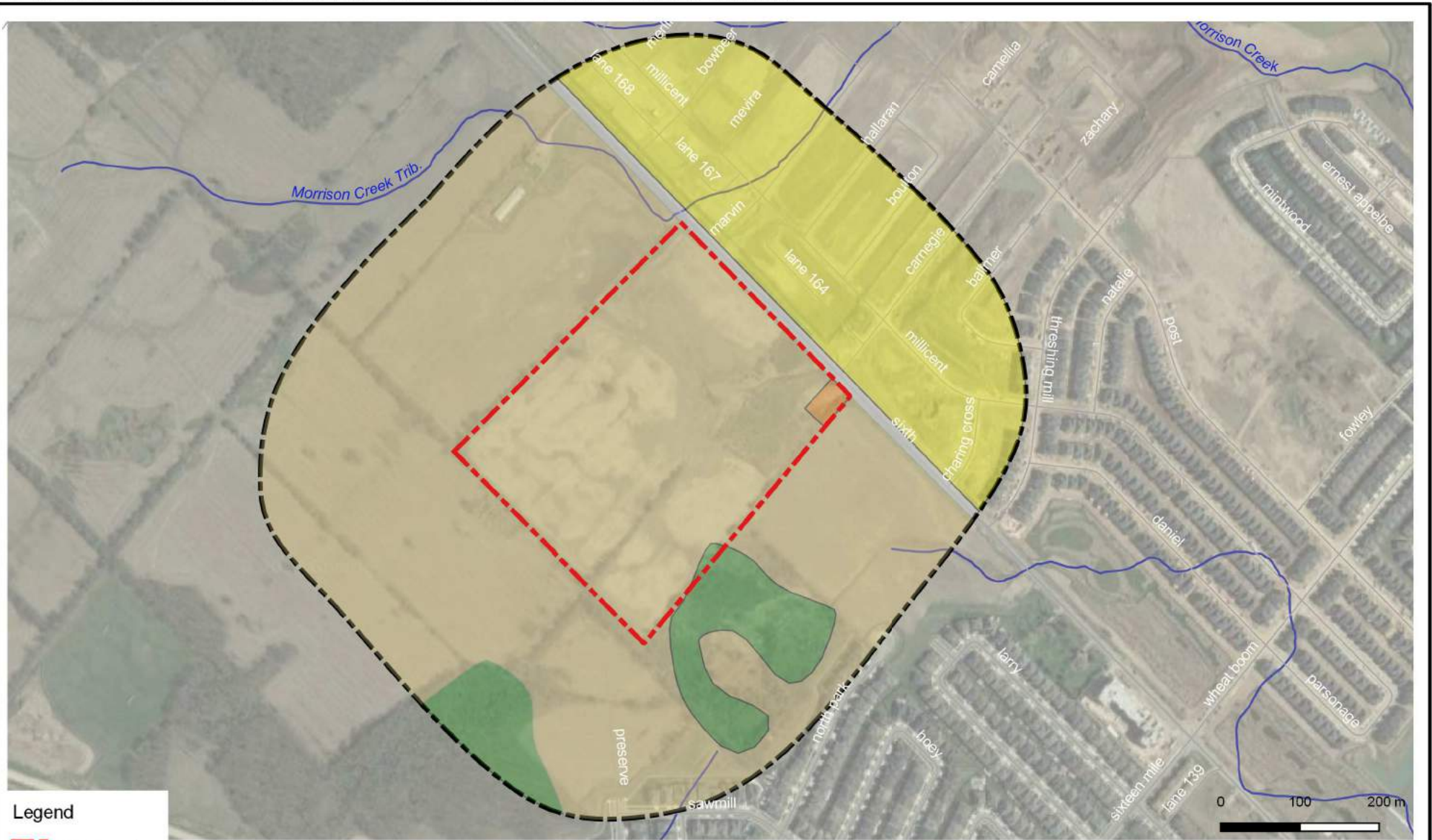
Drawn By: S.Y







Project No.: 17-508-100



Date: August 2019

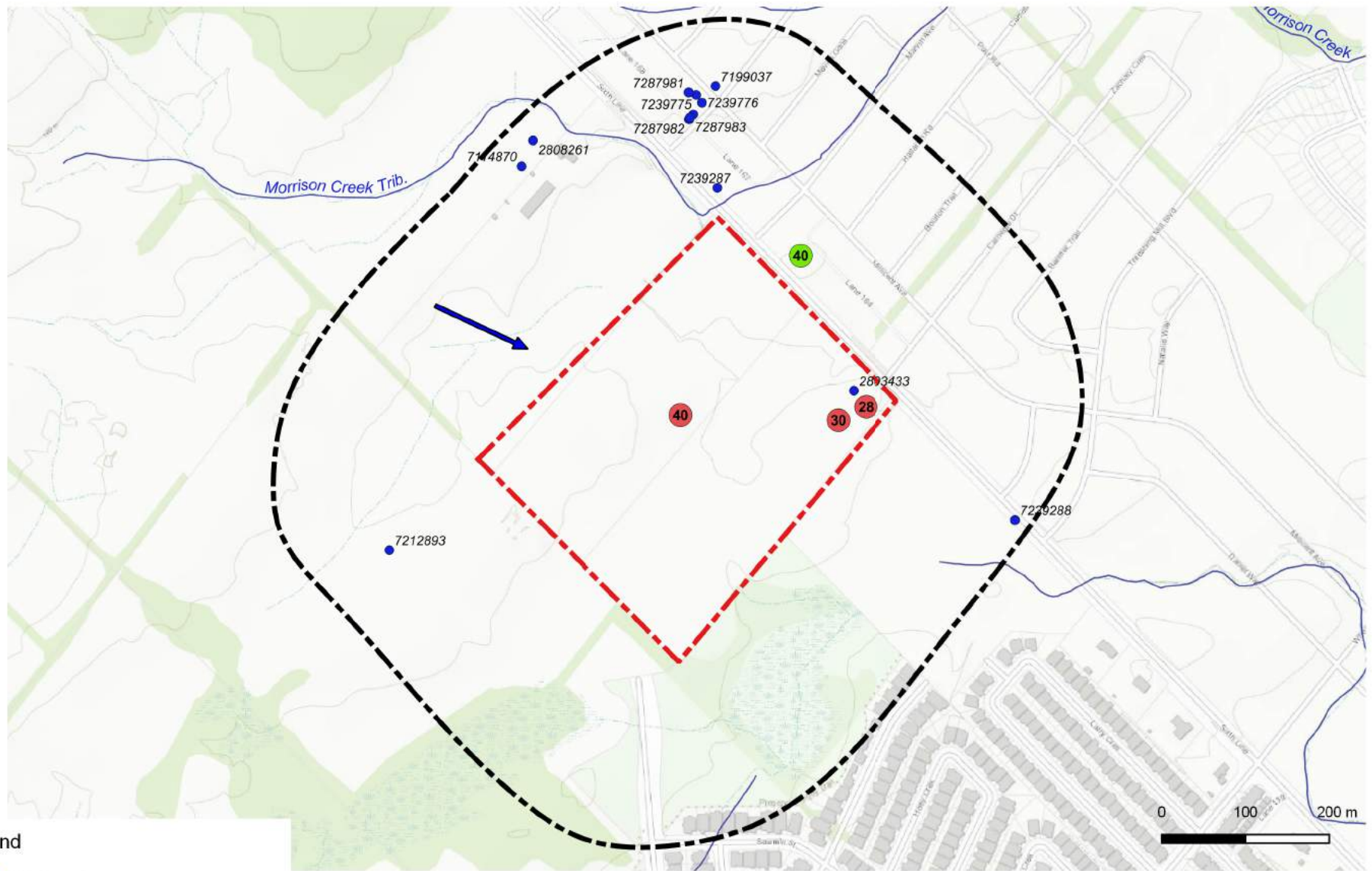
Figure No.: **2**

Image/Map Source: 2018 Google Satellite Image and 2007 Satellite Image










- Legend**
-  Site Boundary
  -  250m Buffer
  -  Agricultural
  -  Commercial
  -  Residential
  -  Wooded Area

 <p><b>DS CONSULTANTS LTD.</b> 6221 Highway 7, UNIT 16 Vaughan, Ontario L4H 0K8 Telephone: (905) 264-9393 www.dsconsultants.ca</p>	<b>Project:</b> PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 3270 Sixth Line, Oakville, ON			
	<b>Title:</b> <b>PHASE ONE STUDY AREA</b>			
<b>Client:</b> ARGO DEVELOPMENT CORPORATION	<b>Size:</b> 8.5 x 11	<b>Approved By:</b> R.F	<b>Drawn By:</b> S.Y	<b>Date:</b> August 2019
	<b>Rev:</b> 1	<b>Scale:</b> As Shown	<b>Project No.:</b> 17-508-100	<b>Figure No.:</b> <b>3A</b>
Image/Map Source: Google Satellite Image				





**Legend**

-  Site Boundary
-  250m Buffer
-  Registered Water Well (MECP WWR)
-  PCA not contributing to APEC
-  PCA contributing to APEC
-  Groundwater Flow Direction

 <p><b>DS CONSULTANTS LTD.</b> 6221 Highway 7, UNIT 16 Vaughan, Ontario L4H 0K8 Telephone: (905) 264-9393 www.dsconsultants.ca</p>	Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 3270 Sixth Line, Oakville, ON			
	Title: <b>PCA WITHIN PHASE ONE STUDY AREA</b>			
Client: ARGO DEVELOPMENT CORPORATION	Size: 8.5 x 11	Approved By: R.F	Drawn By: S.Y	Date: August 2019
	Rev: 1	Scale: As Shown	Project No.: 17-508-100	Figure No.: <b>3B</b>
Image/Map Source: Esri Topo Map				



**Legend**

-  Site Boundary
-  APEC-1 (Pesticides)
-  APEC 2 (Fill)
-  APEC 3 (Generator)

 <p><b>DS CONSULTANTS LTD.</b> 6221 Highway 7, UNIT 16 Vaughan, Ontario L4H 0K8 Telephone: (905) 264-9393 www.dsconsultants.ca</p>	Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 3270 Sixth Line, Oakville, ON			
	Title: <b>AREAS OF POTENTIAL ENVIRONMENTAL CONCERN</b>			
Client: ARGO DEVELOPMENT CORPORATION	Size: 8.5 x 11	Approved By: R.F	Drawn By: S.Y	Date: August 2019
	Rev: 1	Scale: As Shown	Project No.: 17-508-100	Figure No.: <b>4</b>
Image/Map Source: Google Satellite Image				



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# Appendix A



LOT 16, CONCESSION 1  
NORTH OF DUNDAS STREET  
PIN 24929 - 0059 (LT)

PLAN OF SURVEY OF  
PART OF LOT 16  
CONCESSION 1  
NORTH OF DUNDAS STREET  
GEOGRAPHIC TOWNSHIP OF TRAFALGAR  
NOW IN THE  
TOWN OF OAKVILLE  
REGIONAL MUNICIPALITY OF HALTON

SCALE 1 : 500

J.D. BARNES LIMITED

© COPYRIGHT  
DISTANCES AND/OR COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

CONTROL POINT TABLE	POINT NO.	ELEVATION	REMARKS
1	601865.86	481534.67	175.40 I.C.
2	602063.63	481532.75	174.17 SP/WE
3	601974.33	481534.64	175.02 I.C.
4	601583.51	481542.63	177.12 S/B
5	601786.10	481534.63	174.52 S/B
6	601795.20	481521.49	175.27 S/B
7	601822.48	481534.63	175.52 S/B
8	601870.30	481546.64	174.27 S/B

NOTES  
BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010).  
DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999705.

INTEGRATION DATA			
OBSERVED REFERENCE POINTS (ORP): UTM ZONE 17, NAD83 (CSRS) (2010).			
COORDINATES TO URBAN ACCURACY PER SECTION 14 (2) OF OREG 216/10.			
POINT ID	EASTING	NORTHING	REMARKS
ORP (A)	601 852.84	4 815 739.82	
ORP (B)	602 048.99	4 815 524.89	
COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.			

- LEGEND
- △ DENOTES SITE CONTROL POINT
  - DENOTES SURVEY MONUMENT FOUND
  - DENOTES SURVEY MONUMENT SET
  - SB DENOTES STANDARD IRON BAR
  - SSB DENOTES SHORT STANDARD IRON BAR
  - W DENOTES WOOD SIGN
  - CC DENOTES CUT CROSS
  - CP DENOTES CONTROL POINT
  - BS DENOTES BELOW GRADE
  - NBS DENOTES NORTH OF DUNDAS STREET
  - WT DENOTES WITNESSED
  - MSD DENOTES MEASURED
  - 760 DENOTES K.A. MCCONNELL, O.L.S.
  - 1198 DENOTES C.A. SEYMOUR, O.L.S.
  - 1225 DENOTES D.B. SEARLES, O.L.S.
  - 1985 DENOTES R.D. SEYMOUR & EDWARD SURVEYING LTD.
  - 200 DENOTES JOHN EDWARDS
  - 201 DENOTES JOHN EDWARDS
  - P3 DENOTES PLAN 20R-13449
  - P4 DENOTES PLAN 20R-13521
  - P5 DENOTES PLAN 20R-13523
  - P6 DENOTES PLAN 20R-13525
  - P7 DENOTES PLAN 20R-13527
  - P8 DENOTES REGISTERED PLAN 20M-1143

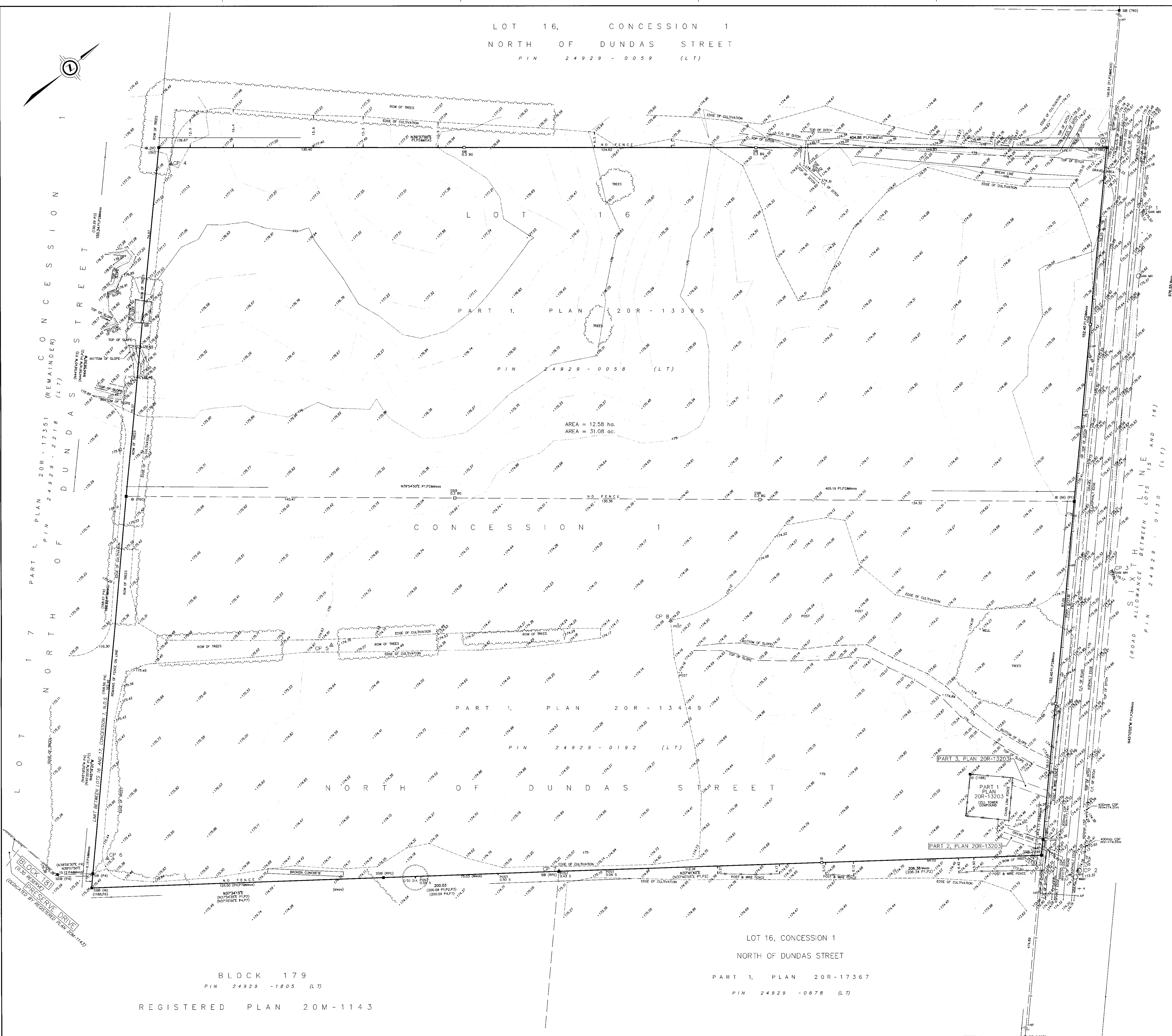
ALL SET SSB MONUMENTS WERE USED DUE TO LACK OF OVERBURDEN AND/OR PROXIMITY OF UNDERGROUND UTILITIES IN ACCORDANCE WITH SECTION 11 (4) OF OREG 220/01.

- MH DENOTES MANNHOLE
- S/M MH DENOTES SURVEY MANNHOLE
- W/M DENOTES WATER MANNHOLE
- AP DENOTES ANCHOR POLE
- HP DENOTES HYDRANT POLE
- TB DENOTES TELEPHONE JUNCTION BOX
- TSD DENOTES TELEPHONE FIDUCIAL
- H DENOTES FIRE HYDRANT
- WK DENOTES WATER KEY
- W DENOTES WELL
- E DENOTES OVERHEAD ELECTRICAL WIRE

INDEX CONTOURS ARE AT 1.00m INTERVALS.  
INTERMEDIATE CONTOURS ARE AT 0.25m INTERVALS.

SURVEYOR'S CERTIFICATE  
I CERTIFY THAT:  
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEY ACT AND THE SURVEYORS ACT - THE REGULATIONS MADE UNDER THEM.  
2. THE SURVEY WAS COMPLETED ON OCTOBER 31, 2016.

November 7, 2016  
DATE  
J.D. BARNES  
ONTARIO LAND SURVEYOR



LOT 17, PART 1, PLAN 20R-17351 (REMAINDER) PIN 24929-2218 (LT)  
DUNDAS STREET  
CONCESSION 1

BLOCK 179  
PIN 24929-1805 (LT)  
REGISTERED PLAN 20M-1143  
DRESSING DRIVE  
LIMIT BETWEEN LOTS 16 AND 17, CONCESSION 1, A.O.S. (108.9 PA)  
LIMIT BETWEEN LOTS 16 AND 17, CONCESSION 1, A.O.S. (108.9 PA)  
LIMIT BETWEEN LOTS 16 AND 17, CONCESSION 1, A.O.S. (108.9 PA)

LOT 16, CONCESSION 1  
NORTH OF DUNDAS STREET  
PART 1, PLAN 20R-17367  
PIN 24929-0878 (LT)

ASSOCIATION OF ONTARIO LAND SURVEYORS  
PLAN SUBMISSION FORM  
1992011

**J.D. BARNES** LIMITED  
LAND INFORMATION SPECIALISTS  
401 WHEELABRATOR WAY, SUITE A, MELTON, ON L9T 1C1  
T: (905) 875-9933 F: (905) 875-9938 www.jdbarnes.com

DESIGN BY: RA/RSD CHECKED BY: RSD REFERENCED TO: 16-30-979-00-A  
FILE: C:\16-30-979-00\16-30-979-00-01.dwg PLOTTED: 11/8/2016



---

# Appendix B

CHAIN OF TITLE REPORT

Project #: SP17-189-20  
 Address: w/s Sixth Line, Oakville  
 Legal Description: Part lot 16 Con 1 Trafalgar (NDS)  
desig. As Part 1, 20R13395  
 PIN #: 24929-0058(LT)

Searched at: Milton  
 LRO #: 20

Page 1

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	25 11 1808	Crown	William FREEMAN
10073	Deed	07 07 1823	William Freeman	Isaac FREEMAN
4596	Will	14 05 1886	Isaac Freeman - estate	Clarkson FREEMAN
5235	Deed	28 02 1889	Clarkson Freeman	James CAVANAGH
6300	Deed	05 03 1894	James Cavanagh	George LONG
11990	Deed	04 04 1916	George Long - estate	George Edward LONG
18419	Deed	17 03 1936	George Edward Long	Lorne Wilfred FISH
215806	Deed	21 12 1966	Lorne Wilfred Fish	Antonio GALLO
232148	Deed	07 09 1967	Antonio Gallo	Jack JEWITT

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: SP17-189-20  
 Address: w/s Sixth Line, Oakville  
 Legal Description: Part lot 16 Con 1 Trafalgar (NDS)  
desig. As Part 1, 20R13395  
 PIN #: 24929-0058(LT)

Searched at: Milton  
 LRO #: 20

Page 2

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
235806	Deed	01 11 1967	Jack Jewitt	Dragutin BUKOVCAN
256323	Deed	27 09 1968	Dragutin Bukovcan	Lasuerte Investments Limited & Hillite Holdings Limited
257403	Deed (15.073 acres)	15 10 1968	Lasuerte Investments Limited & Hillite Holdings Limited	Emilia MARCHETTI & Anthony DEMINICO
HR1355513	Deed	09 05 2106	Emilia Marchetti	Emilia MARCHETTI Anne Marie Angela Olga MARCHETTI Catherine Alexandra MARCHETTI Paul Joseph MARCHETTI
HR1430812	Deed (Present Owners)	07 02 2017	Emilia Marchetti - estate	Anne Marie Angela Olga MARCHETTI Catherine Alexandra MARCHETTI Paul Joseph MARCHETTI Anthony DEMINICO

**PROPERTY DESCRIPTION:** PT LT 16, CON 1 TRAFALGAR, NORTH OF DUNDAS STREET , PT 1, 20R13395 ; OAKVILLE/TRAFALGAR

**PROPERTY REMARKS:** ON 1999/11/05 AT 16:12 THE ESTATE/QUALIFIER WERE CHANGED TO FEE SIMPLE ABSOLUTE FROM FEE SIMPLE LT CONVERSION QUALIFIED BY JOHN MENARD . THE FOLLOWING REMARK HAS BEEN ADDED ON 1999/11/05 AT 16:12 BY JOHN MENARD : S/T SUBSECTION 44(1) OF LAND TITLES ACT EXCEPT PAR.3 AND PROVINCIAL SUCCESSION DUTIES.

**ESTATE/QUALIFIER:**  
FEE SIMPLE  
ABSOLUTE

**RECENTLY:**  
FIRST CONVERSION FROM BOOK

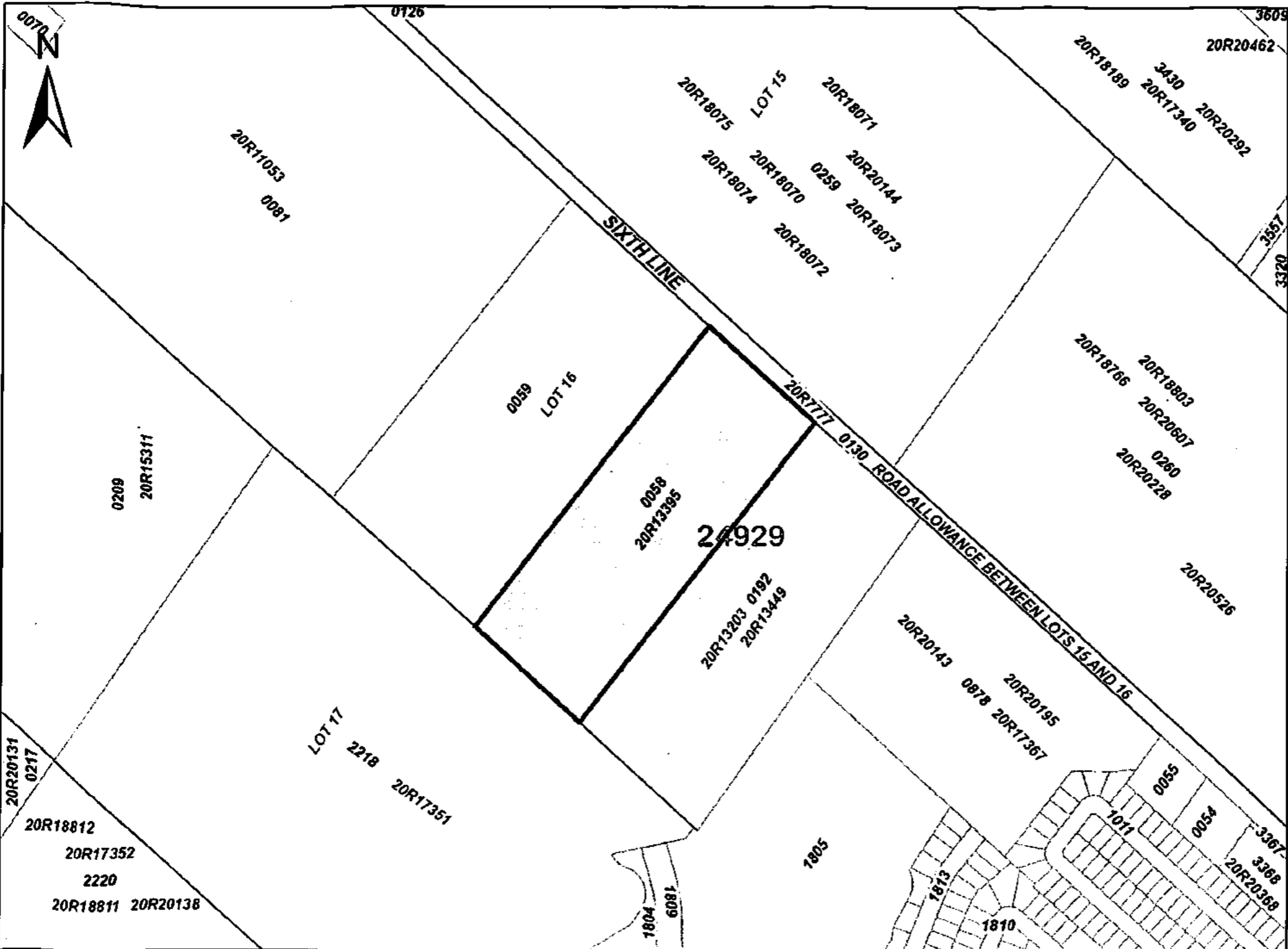
**PIN\_CREATION\_DATE:**  
1996/03/25

**OWNERS' NAMES**  
MARCHETTI, EMILIA  
MARCHETTI, ANNE MARIE ANGELA OLGA  
MARCHETTI, CATHERINE ALEXANDRA  
MARCHETTI, PAUL JOSEPH  
DEMINICO, ANTHONY

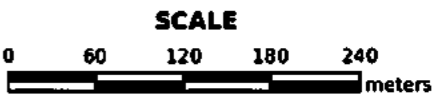
**CAPACITY SHARE**  
TRST PART 2/3  
TRST PART 2/3  
TRST PART 2/3  
TRST PART 2/3  
TCOM 1/3

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p><b>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1996/03/25 ON THIS PIN**</b>  <b>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1996/03/25**</b>  <b>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1996/03/22 **</b></p>						
257403	1968/10/15	TRANSFER		*** COMPLETELY DELETED ***	MARCHETTI, EMILIA DEMINICO, ANTHONY	
H809581	1999/09/03	NOTICE		MARCHETTI, EMILIA DEMINICO, ANTHONY	MARCHETTI, EMILIA DEMINICO, ANTHONY	C
REMARKS: FOR ABSOLUTE TITLE.						
20R13395	1999/11/05	PLAN REFERENCE				C
H820292	1999/11/05	APL (GENERAL)		MARCHETTI, EMILIA DEMINICO, ANTHONY	MARCHETTI, EMILIA DEMINICO, ANTHONY	C
REMARKS: FOR ABSOLUTE TITLE						
HR131891	2002/07/16	TRANSFER		DEMINICO, ANTHONY MARCHETTI, EMILIA	DEMINICO, ANTHONY MARCHETTI, EMILIA	C
HR1355513	2016/05/09	TRANSFER		MARCHETTI, EMILIA	MARCHETTI, EMILIA MARCHETTI, ANNE MARIE ANGELA OLGA MARCHETTI, CATHERINE ALEXANDRA MARCHETTI, PAUL JOSEPH	C
HR1430812	2017/02/07	APL OF SURV-LAND		MARCHETTI, EMILIA	MARCHETTI, ANNE MARIE ANGELA OLGA	

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



PRINTED ON 16 FEB, 2017 AT 13:00:43 FOR CHAIN



**PROPERTY INDEX MAP**  
HALTON(No. 20)

**LEGEND**

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

**THIS IS NOT A PLAN OF SURVEY**

**NOTES**

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED



CHAIN OF TITLE REPORT

Project #: SP17-189-20  
 Address: w/s Sixth Line, Oakville  
 Legal Description: Part lot 16 Con 1 Trafalgar (NDS)  
desig. As Part 1, 20R13449

Searched at: Milton  
 LRO #: 20

Page 1

PIN #: 24929-0192(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	25 11 1808	Crown	William FREEMAN
10073	Deed	07 07 1823	William Freeman	Isaac FREEMAN
4596	Will	14 05 1886	Isaac Freeman - estate	Clarkson FREEMAN
5235	Deed	28 02 1889	Clarkson Freeman	James CAVANAGH
6300	Deed	05 03 1894	James Cavanagh	George LONG
11990	Deed	04 04 1916	George Long - estate	George Edward LONG
18419	Deed	17 03 1936	George Edward Long	Lorne Wilfred FISH
209394	Deed	02 09 1966	Lorne Wilfred Fish	Antonio GALLO
221450	Deed	11 04 1967	Antonio Gallo	Colombo Alexander MARCHETTI Emilia MARCHETTI

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: SP17-189-20  
 Address: w/s Sixth Line, Oakville  
 Legal Description: Part lot 16 Con 1 Trafalgar (NDS)  
desig. As Part 1, 20R13449  
 PIN #: 24929-0192(LT)

Searched at: Milton  
 LRO #: 20

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
257327	Deed	15 10 1968	Colombo Alexander Marchetti Emilia Marchetti	Colombo Alexander MARCHETTI
HR23930	Deed (16.001 acres)	17 11 2000	Colombo Alexander Marchetti	Emilia MARCHETTI Colombo Alexander MARCHETTI
HR716148	Deed	13 11 2008	Colombo A. Marchetti - estate	Emilia MARCHETTI
HR1355512	Deed	09 05 2016	Emilia Marchetti	Emilia MARCHETTI Anne Marie Angela Olga MARCHETTI Catherine Alexandra MARCHETTI Paul Joseph MARCHETTI
HR1430816	Deed (Present Owners)	07 02 2017	Emilia Marchetti - estate	Anne Marie Angela Olga MARCHETTI Catherine Alexandra MARCHETTI Paul Joseph MARCHETTI



PROPERTY DESCRIPTION: PT LT 16, CON 1 NORTH OF DUNDAS STREET, PT 1, 20R13449 ; OAKVILLE

PROPERTY REMARKS: ON 2000/01/18 AT 11:54 THE ESTATE/QUALIFIER WERE CHANGED TO FEE SIMPLE ABSOLUTE FROM FEE SIMPLE LT CONVERSION QUALIFIED BY JOHN MENARD . THE FOLLOWING REMARK HAS BEEN ADDED ON 2000/01/18 AT 11:54 BY JOHN MENARD : S/T SUBSECTION 44(1) OF THE LAND TITLES ACT EXCEPT PARAGRAPH 3 AND 14 AND PROVINCIAL SUCCESSION DUTIES.

ESTATE/QUALIFIER:  
FEE SIMPLE  
ABSOLUTE

RECENTLY:  
CONSOLIDATION FROM 24929-0057 24929-0090

PIN CREATION DATE:  
1999/11/19

OWNERS' NAMES  
MARCHETTI, EMILIA  
MARCHETTI, ANNE MARIE ANGELA OLGA  
MARCHETTI, CATHERINE ALEXANDRA  
MARCHETTI, PAUL JOSEPH

CAPACITY SHARE  
TRST  
TRST  
TRST  
TRST

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p><b>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1996/03/25 ON THIS PIN**</b></p> <p><b>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1999/11/19**</b></p> <p><b>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1999/11/19 **</b></p>						
257327	1968/10/15	TRANSFER		*** COMPLETELY DELETED ***	MARCHETTI, COLOMBO ALEXANDER	
20R13203	1999/05/17	PLAN REFERENCE				C
H795227	1999/06/23	NOTICE OF LEASE		*** DELETED AGAINST THIS PROPERTY *** MARCHETTI, COLOMBO ALEXANDER	ROGERS CANTEL INC.	
H810680	1999/09/14	NOTICE REMARKS: FOR ABSOLUTE TITLE		MARCHETTI, COLOMBO ALEXANDER		C
H822016	1999/11/19	APL (GENERAL) REMARKS: TO CONSOLIDATE		MARCHETTI, COLOMBO ALEXANDER		C
20R13449	1999/12/10	PLAN REFERENCE				C
H830961	2000/01/18	APL ABSOLUTE TITLE		MARCHETTI, COLOMBO ALEXANDER	MARCHETTI, COLOMBO ALEXANDER	C
HR23930	2000/11/17	TRANSFER		*** COMPLETELY DELETED *** MARCHETTI, COLOMBO ALEXANDER	MARCHETTI, EMILIA MARCHETTI, COLOMBO ALEXANDER	
HR716148	2008/11/13	APL OF SURV-LAND		*** COMPLETELY DELETED *** MARCHETTI, COLOMBO ALEXANDER	MARCHETTI, EMILIA	

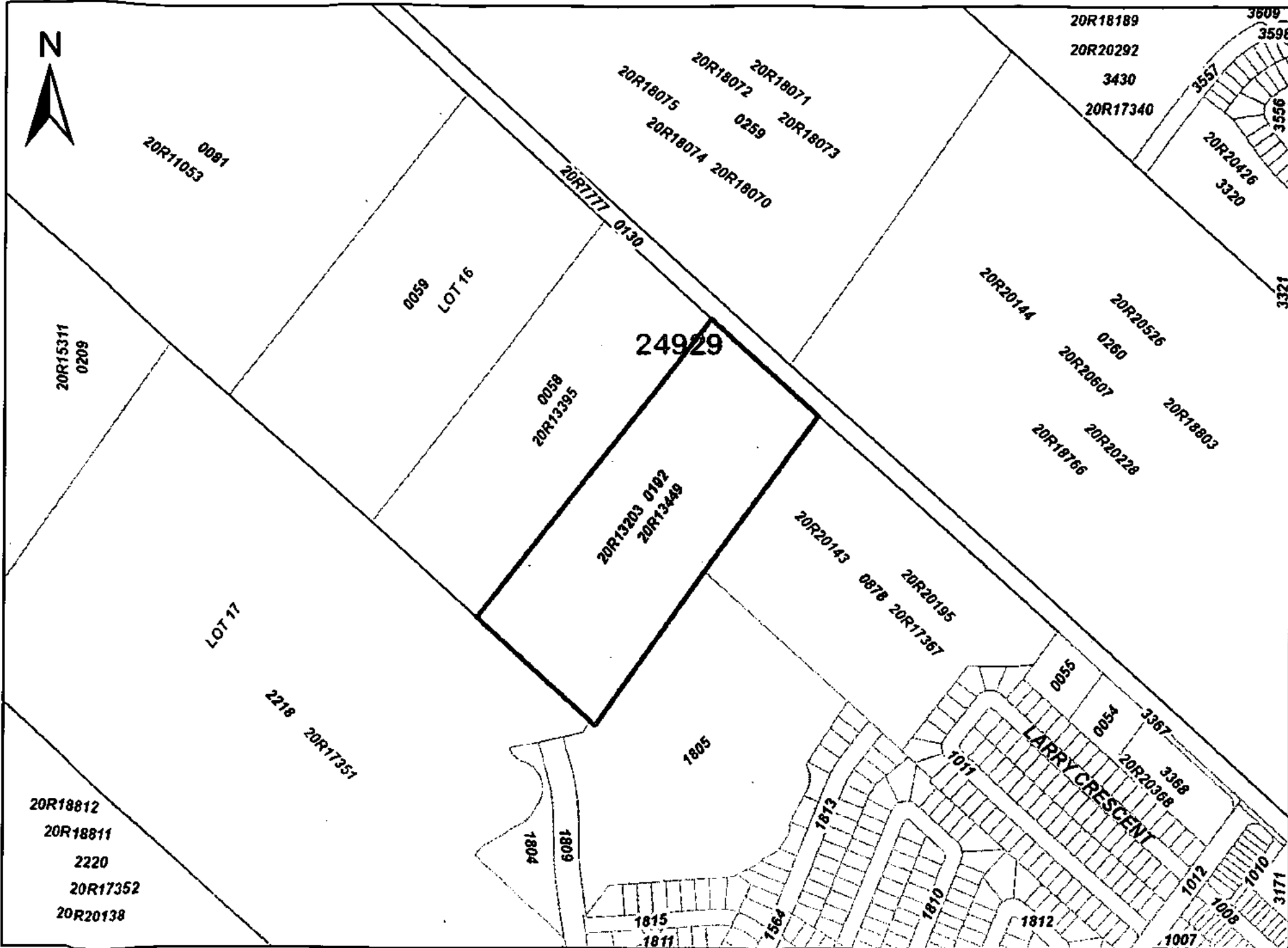
NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

LAND  
 REGISTRY  
 OFFICE #20

24929-0192 (LT)

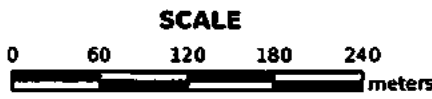
\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
HR1325006	2015/12/21	APL (GENERAL)		*** COMPLETELY DELETED *** ROGERS COMMUNICATIONS INC.	ROGERS COMMUNICATIONS INC.	
		REMARKS: DELETING H795227				
HR1355512	2016/05/09	TRANSFER		MARCHETTI, EMILIA	MARCHETTI, EMILIA MARCHETTI, ANNE MARIE ANGELA OLGA MARCHETTI, CATHERINE ALEXANDRA MARCHETTI, PAUL JOSEPH	C
HR1430816	2017/02/07	APL OF SURV-LAND		MARCHETTI, EMILIA	MARCHETTI, ANNE MARIE ANGELA OLGA	



# ServiceOntario

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FOR CHAIN



## PROPERTY INDEX MAP HALTON(No. 20)

**LEGEND**

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

**THIS IS NOT A PLAN OF SURVEY**

- NOTES**
- REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS
  - THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY
  - FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS
  - ONLY MAJOR EASEMENTS ARE SHOWN
  - REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED





---

# Appendix C

**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICES



# DATABASE REPORT

**Project Property:** *6th Line, north of Dundas St, Oakville, ON  
Burnhamthorpe Rd W6 Line  
Oakville ON*

**Project No:** *P17-02-117*

**Report Type:** *Quote - Custom-Build Your Own Report*

**Order No:** *20170216013*

**Requested by:** *Sirati & Partners Consultants Ltd.*

**Date Completed:** *February 17, 2017*

**Environmental Risk  
Information Services**  
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# Executive Summary

## **Property Information:**

**Project Property:** *6th Line, north of Dundas St, Oakville, ON  
Burnhamthorpe Rd W6 Line Oakville ON*

**Project No:** *P17-02-117*

## **Order Information:**

**Order No:** *20170216013*

**Date Requested:** *February 16, 2017*

**Requested by:** *Sirati & Partners Consultants Ltd.*

**Report Type:** *Quote - Custom-Build Your Own Report*

## **Additional Products:**

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	0	0
CA	<i>Certificates of Approval</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	0	0
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	2	2
EIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	0	0
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0



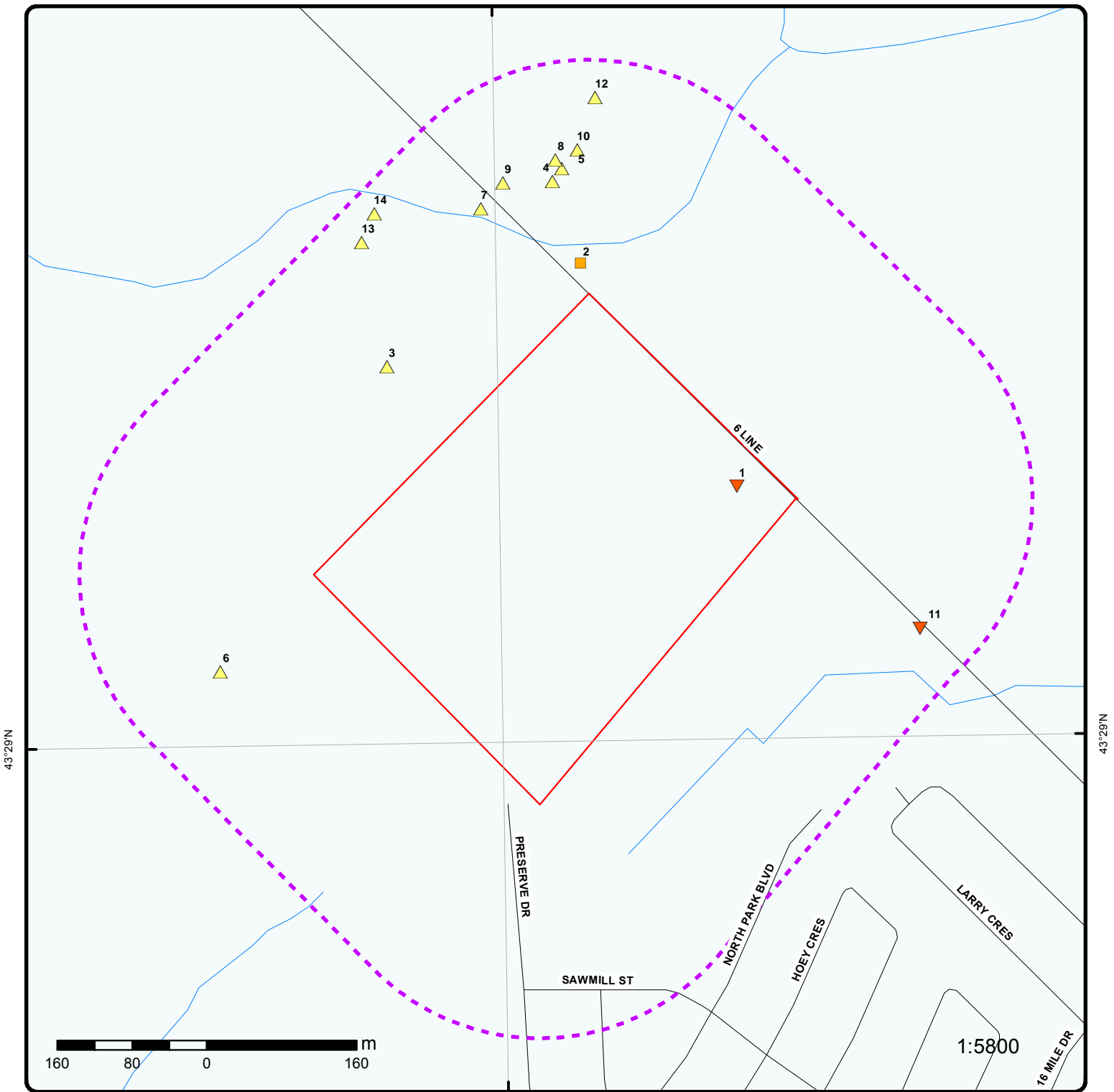
<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	1	1
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	1	10	11
<b>Total:</b>			1	13	14

## Executive Summary: Site Report Summary - Project Property

<i>DB</i>	<i>Map Key</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
WWIS	<a href="#">1</a>		lot 16 con 1 ON	-/0.0	-0.24	<a href="#">12</a>

## Executive Summary: Site Report Summary - Surrounding Properties

<i>DB</i>	<i>Map Key</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
EHS	<a href="#">3</a>		3380 6 Line Oakville ON L6M4K1	NW/99.3	2.00	<a href="#">11</a>
EHS	<a href="#">7</a>		3380 Sixth Line Oakville ON L6M 4K1	NNW/146.1	1.00	<a href="#">11</a>
RSC	<a href="#">9</a>		3369 SIXTH LINE, OAKVILLE, ON L6H 7C5 Oakville ON	N/150.0	1.00	<a href="#">11</a>
WWIS	<a href="#">2</a>		Oakville ON	N/34.0	0.00	<a href="#">14</a>
WWIS	<a href="#">4</a>		ON	N/126.0	1.00	<a href="#">16</a>
WWIS	<a href="#">5</a>		Oakville ON	N/136.9	1.00	<a href="#">18</a>
WWIS	<a href="#">6</a>		ON	WSW/143.8	3.00	<a href="#">20</a>
WWIS	<a href="#">8</a>		Oakville ON	N/147.3	1.00	<a href="#">21</a>
WWIS	<a href="#">10</a>		lot 15 con 1 OAKVILLE ON	N/154.4	1.00	<a href="#">23</a>
WWIS	<a href="#">11</a>		Oakville ON	ESE/189.0	-1.98	<a href="#">24</a>
WWIS	<a href="#">12</a>		lot 15 con 1 ON	N/210.0	1.00	<a href="#">27</a>
WWIS	<a href="#">13</a>		OAKVILLE ON	NNW/211.6	1.91	<a href="#">28</a>
WWIS	<a href="#">14</a>		lot 16 con 1 ON	NNW/223.9	0.92	<a href="#">30</a>



### Map : 0.25 Kilometer Radius

Order No: 20170216013

Address: Burnhamthorpe Rd W6 Line, Oakville, ON



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



# Aerial

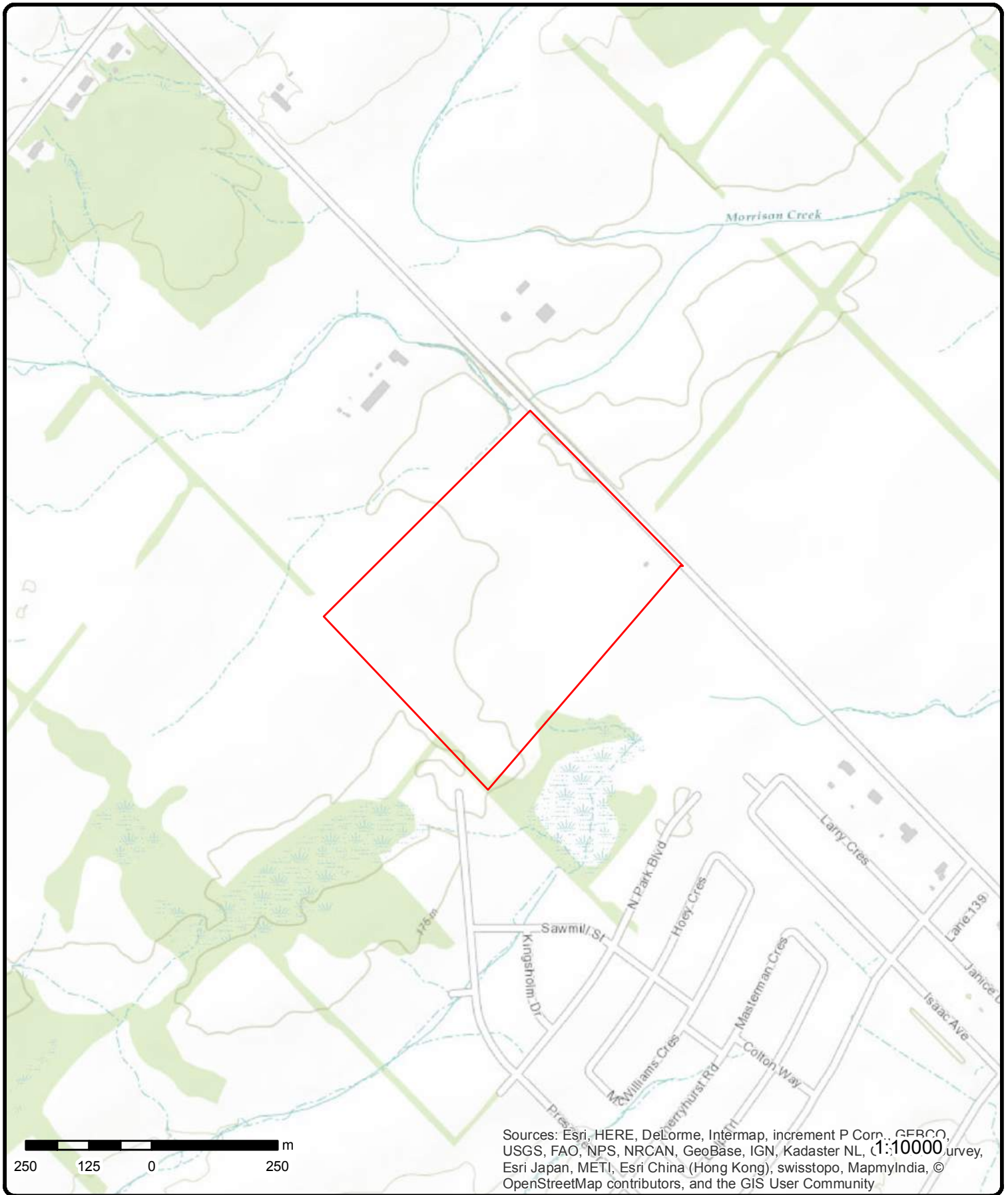
Address: Burnhamthorpe Rd W6 Line, Oakville, ON

Source: ESRI World Imagery

Order No: 20170216013



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# Topographic Map

**Address: Burnhamthorpe Rd W6 Line, Oakville, ON**

Source: ESRI World Topographic Map

Order No: 20170216013



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# Detail Report

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
<a href="#">EHS</a>	<a href="#">3</a>	1 of 1	NW/99.3	177.8	3380 6 Line Oakville ON L6M4K1
<b>Postal Code:</b> <b>City:</b> <b>Address2:</b> <b>Address1:</b> <b>Provstate:</b> <b>Order No.:</b> 20130617042 <b>Addit. Info Ordered::</b> <b>Report Date:</b> 26-JUN-13 <b>Report Type:</b> Custom Report <b>Search Radius (km):</b> .3					
<a href="#">EHS</a>	<a href="#">7</a>	1 of 1	NNW/146.1	176.8	3380 Sixth Line Oakville ON L6M 4K1
<b>Postal Code:</b> <b>City:</b> <b>Address2:</b> <b>Address1:</b> <b>Provstate:</b> <b>Order No.:</b> 20130220042 <b>Addit. Info Ordered::</b> <b>Report Date:</b> 27-FEB-13 <b>Report Type:</b> RSC Report (Rural) <b>Search Radius (km):</b> .3					
<a href="#">RSC</a>	<a href="#">9</a>	1 of 1	N/150.0	176.8	3369 SIXTH LINE, OAKVILLE, ON L6H 7C5 Oakville ON
<b>Registration #:</b> 218828 <b>RSC Type:</b> Phase 1 and 2 RSC <b>Restoration Type:</b> <b>Date Submitted:</b> 2015/09/03 <b>Date Acknowledg.:</b> <b>Certification Date:</b> <b>Date Returned:</b> <b>Soil Type:</b> <b>Criteria:</b> <b>Current Property Use:</b> <b>Certificate Prop Use #:</b> <b>Intended Prop Use:</b> <b>Applicable Standards:</b> <b>Stratified (Y/N):</b> <b>Consultant:</b> <b>District Office:</b> Halton-Peel District Office <b>Property Municipal Address:</b> 3369 SIXTH LINE, OAKVILLE, ON L6H 7C5 <b>Legal Description:</b> <b>Prop. Identification #:</b> <b>Entire legal prop. (y/n):</b> <b>UTM Coordinates:</b>					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
<b>Latitude &amp; Longitude:</b>					
<b>Accuracy Estimate:</b>					
<b>Measurement Method:</b>					
<b>CPU Issued Sect 1686:</b>					

<b>WWIS</b>	<b>1</b>	<b>1 of 1</b>	<b>-/0.0</b>	<b>175.6</b>	<b>lot 16 con 1 ON</b>
<b>Well ID:</b>	2803433			<b>Lot:</b>	016
<b>Construction Date::</b>				<b>Concession:</b>	01
<b>Primary Water Use::</b>	Livestock			<b>Concession Name:</b>	DS N
<b>Sec. Water Use::</b>	Domestic			<b>Easting NAD83::</b>	
<b>Final Well Status::</b>	Water Supply			<b>Northing NAD83::</b>	
<b>Specific Capacity::</b>				<b>Zone::</b>	
<b>Municipality:</b>	OAKVILLE TOWN			<b>UTM Reliability::</b>	
<b>County:</b>	HALTON				

**Bore Hole Information**

--	--
<b>Bore Hole ID:</b>	10149974
<b>DP2BR:</b>	11
<b>Code OB:</b>	r
<b>Code OB Description:</b>	Bedrock
<b>Open Hole:</b>	
<b>Date Completed:</b>	07-SEP-70
<b>Remarks:</b>	
<b>Zone:</b>	17
<b>East 83:</b>	602004.6
<b>North 83:</b>	4815533
<b>UTMRC:</b>	4
<b>UTMRC Description:</b>	margin of error : 30 m - 100 m
<b>Location Method:</b>	p4
<b>Org CS:</b>	
<b>Elevation:</b>	173.95
<b>Elevrc:</b>	
<b>Elevrc Description:</b>	
<b>Location Source Date:</b>	
<b>Source Revision Comment:</b>	
<b>Improvement Location Source:</b>	
<b>Improvement Location Method:</b>	
<b>Supplier Comment:</b>	
<b>Spatial Status:</b>	
--	--
<b>Overburden and Bedrock Materials Interval</b>	
--	--
<b>Formation ID:</b>	931431997
<b>Layer:</b>	1
<b>General Color:</b>	BROWN
<b>Most Common Material:</b>	CLAY
<b>Other Materials:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	11
<b>Formation End Depth UOM:</b>	ft
--	--
<b>Formation ID:</b>	931431998
<b>Layer:</b>	2
<b>General Color:</b>	RED
<b>Most Common Material:</b>	SHALE
<b>Other Materials:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	11
<b>Formation End Depth:</b>	45
<b>Formation End Depth UOM:</b>	ft



<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
--		--			
<b>Method of Construction &amp; Well Use</b>					
--		--			
<b>Method Construction ID:</b>		962803433			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
--		--			
<b>Pipe Information</b>					
--		--			
<b>Pipe ID:</b>		10698544			
<b>Casing Number:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
--		--			
<b>Construction Record - Casing</b>					
--		--			
<b>Casing ID:</b>		930255058			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		20			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
--		--			
<b>Casing ID:</b>		930255059			
<b>Layer:</b>		2			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		45			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
--		--			
<b>Well Yield Testing</b>					
--		--			
<b>Pump Test ID:</b>		992803433			
<b>Pump Set At:</b>					
<b>Static Level:</b>		12			
<b>Final Level After Pumping:</b>		40			
<b>Recommended Pump Depth:</b>		43			
<b>Pumping Rate:</b>		4			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		4			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		2			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
--		--			
<b>Draw Down &amp; Recovery</b>					
--		--			
<b>Pump Test Detail ID:</b>		934166665			
<b>Pump Test ID:</b>		992803433			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		40			
<b>Test Level UOM:</b>		ft			
--		--			
<b>Pump Test Detail ID:</b>		934450614			
<b>Pump Test ID:</b>		992803433			
<b>Test Type:</b>		Draw Down			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
<b>Test Duration:</b> 30					
<b>Test Level:</b> 40					
<b>Test Level UOM:</b> ft					
--					
<b>Pump Test Detail ID:</b> 934709818					
<b>Pump Test ID:</b> 992803433					
<b>Test Type:</b> Draw Down					
<b>Test Duration:</b> 45					
<b>Test Level:</b> 40					
<b>Test Level UOM:</b> ft					
--					
<b>Pump Test Detail ID:</b> 934969712					
<b>Pump Test ID:</b> 992803433					
<b>Test Type:</b> Draw Down					
<b>Test Duration:</b> 60					
<b>Test Level:</b> 40					
<b>Test Level UOM:</b> ft					
--					
--					
<b>Water Details</b>					
--					
<b>Water ID:</b> 933605841					
<b>Layer:</b> 1					
<b>Kind Code:</b> 2					
<b>Kind:</b> SALTY					
<b>Water Found Depth:</b> 44					
<b>Water Found Depth UOM:</b> ft					
--					
--					

WWIS

2

1 of 1

N/34.0

175.8

Oakville ON

**Well ID:** 7239287

**Construction Date::**

**Primary Water Use::** Monitoring

**Sec. Water Use::**

**Final Well Status::** Observation Wells

**Specific Capacity::**

**Municipality:** OAKVILLE TOWN

**County:** HALTON

**Lot:**

**Concession:**

**Concession Name:**

**Easting NAD83::**

**Northing NAD83::**

**Zone::**

**UTM Reliability::**

**Bore Hole Information**

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**Bore Hole ID:** 1005319254

**DP2BR:**

**Code OB:**

**Code OB Description:**

**Open Hole:**

**Date Completed:** 14-MAR-15

**Remarks:**

**Zone:** 17

**East 83:** 601838

**North 83:** 4815772

**UTMRC:** 4

**UTMRC Description:** margin of error : 30 m - 100 m

**Location Method:** wwr

**Org CS:** UTM83

**Elevation:**

**Eleirc:**

**Eleirc Description:**

**Location Source Date:**

**Source Revision Comment:**

**Improvement Location Source:**

**Improvement Location Method:**

**Supplier Comment:**

<b>DB</b>	<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>
<b>Spatial Status:</b>					
--		--			
<b>Overburden and Bedrock Materials Interval</b>					
--		--			
<b>Formation ID:</b>		1005519253			
<b>Layer:</b>		1			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		SAND			
<b>Other Materials:</b>		FILL			
<b>Other Materials:</b>		LOOSE			
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		.9			
<b>Formation End Depth UOM:</b>		m			
--		--			
<b>Formation ID:</b>		1005519254			
<b>Layer:</b>		2			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		COARSE SAND			
<b>Other Materials:</b>		SILT			
<b>Other Materials:</b>		DENSE			
<b>Formation Top Depth:</b>		.9			
<b>Formation End Depth:</b>		3.6			
<b>Formation End Depth UOM:</b>		m			
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<b>Annular Space/Abandonment Sealing Record</b>					
--		--			
<b>Plug ID:</b>		1005519261			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		2.5			
<b>Plug Depth UOM:</b>		m			
--		--			
<b>Plug ID:</b>		1005519262			
<b>Layer:</b>		2			
<b>Plug From:</b>		2.5			
<b>Plug To:</b>		3.6			
<b>Plug Depth UOM:</b>		m			
--		--			
<b>Method of Construction &amp; Well Use</b>					
--		--			
<b>Method Construction ID:</b>		1005519260			
<b>Method Construction Code:</b>		6			
<b>Method Construction:</b>		Boring			
<b>Other Method Construction:</b>					
--		--			
<b>Pipe Information</b>					
--		--			
<b>Pipe ID:</b>		1005519252			
<b>Casing Number:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
--		--			
<b>Construction Record - Casing</b>					
--		--			
<b>Casing ID:</b>		1005519257			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		2.5			
<b>Casing Diameter:</b>		1.9			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
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DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
<b>Construction Record - Screen</b>					
--		--			
Screen ID:		1005519258			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.5			
Screen End Depth:		3.6			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		2.3			
--		--			
<b>Hole Diameter</b>					
--		--			
Hole ID:		1005519255			
Diameter:		21			
Depth From:		0			
Depth To:		3.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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WWIS

4

1 of 1

N/126.0

176.8

ON

<b>Well ID:</b>	7239777	<b>Lot:</b>	
<b>Construction Date::</b>		<b>Concession:</b>	
<b>Primary Water Use::</b>	Monitoring	<b>Concession Name:</b>	
<b>Sec. Water Use::</b>		<b>Easting NAD83::</b>	
<b>Final Well Status::</b>		<b>Northing NAD83::</b>	
<b>Specific Capacity::</b>		<b>Zone::</b>	
<b>Municipality:</b>	OAKVILLE TOWN	<b>UTM Reliability::</b>	
<b>County:</b>	HALTON		

**Bore Hole Information**

--	--
<b>Bore Hole ID:</b>	1005322432
<b>DP2BR:</b>	
<b>Code OB:</b>	
<b>Code OB Description:</b>	
<b>Open Hole:</b>	
<b>Date Completed:</b>	17-FEB-15
<b>Remarks:</b>	
<b>Zone:</b>	17
<b>East 83:</b>	601808
<b>North 83:</b>	4815859
<b>UTMRC:</b>	4
<b>UTMRC Description:</b>	margin of error : 30 m - 100 m
<b>Location Method:</b>	wwr
<b>Org CS:</b>	UTM83
<b>Elevation:</b>	
<b>Elevrc:</b>	
<b>Elevrc Description:</b>	
<b>Location Source Date:</b>	
<b>Source Revision Comment:</b>	
<b>Improvement Location Source:</b>	
<b>Improvement Location Method:</b>	
<b>Supplier Comment:</b>	
<b>Spatial Status:</b>	
--	--
<b>Overburden and Bedrock</b>	
<b>Materials Interval</b>	
--	--
<b>Formation ID:</b>	1005575696
<b>Layer:</b>	1

<b>DB</b>	<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>
	<b>General Color:</b>		BROWN		
	<b>Most Common Material:</b>		SAND		
	<b>Other Materials:</b>		CLAY		
	<b>Other Materials:</b>		DENSE		
	<b>Formation Top Depth:</b>		0		
	<b>Formation End Depth:</b>		13		
	<b>Formation End Depth UOM:</b>		ft		
	--		--		
	<b>Formation ID:</b>		1005575697		
	<b>Layer:</b>		2		
	<b>General Color:</b>		RED		
	<b>Most Common Material:</b>		SHALE		
	<b>Other Materials:</b>				
	<b>Other Materials:</b>				
	<b>Formation Top Depth:</b>		13		
	<b>Formation End Depth:</b>		20		
	<b>Formation End Depth UOM:</b>		ft		
	--		--		
	<b>Annular Space/Abandonment Sealing Record</b>				
	--		--		
	<b>Plug ID:</b>		1005575705		
	<b>Layer:</b>		1		
	<b>Plug From:</b>		0		
	<b>Plug To:</b>		1		
	<b>Plug Depth UOM:</b>		ft		
	--		--		
	<b>Plug ID:</b>		1005575706		
	<b>Layer:</b>		2		
	<b>Plug From:</b>		1		
	<b>Plug To:</b>		12		
	<b>Plug Depth UOM:</b>		ft		
	--		--		
	<b>Plug ID:</b>		1005575707		
	<b>Layer:</b>		3		
	<b>Plug From:</b>		12		
	<b>Plug To:</b>		20		
	<b>Plug Depth UOM:</b>		ft		
	--		--		
	<b>Method of Construction &amp; Well Use</b>				
	--		--		
	<b>Method Construction ID:</b>		1005575704		
	<b>Method Construction Code:</b>		2		
	<b>Method Construction:</b>		Rotary (Convent.)		
	<b>Other Method Construction:</b>				
	--		--		
	<b>Pipe Information</b>				
	--		--		
	<b>Pipe ID:</b>		1005575695		
	<b>Casing Number:</b>		0		
	<b>Comment:</b>				
	<b>Alt Name:</b>				
	--		--		
	<b>Construction Record - Casing</b>				
	--		--		
	<b>Casing ID:</b>		1005575700		
	<b>Layer:</b>		1		
	<b>Open Hole or Material:</b>		PLASTIC		
	<b>Depth From:</b>		0		
	<b>Depth To:</b>		13		
	<b>Casing Diameter:</b>		2		
	<b>Casing Diameter UOM:</b>		inch		
	<b>Casing Depth UOM:</b>		ft		
	--		--		
	<b>Casing ID:</b>		1005575701		
	<b>Layer:</b>		2		

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
<b>Open Hole or Material:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
--		--			
--		--			
<b>Construction Record - Screen</b>					
--		--			
<b>Screen ID:</b>		1005575702			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		13			
<b>Screen End Depth:</b>		20			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		2.25			
--		--			
<b>Hole Diameter</b>					
--		--			
<b>Hole ID:</b>		1005575698			
<b>Diameter:</b>		6.25			
<b>Depth From:</b>		0			
<b>Depth To:</b>		20			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
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<b>WWIS</b>	<b>5</b>	<b>1 of 1</b>	<b>N/136.9</b>	<b>176.8</b>	<b>Oakville ON</b>
<b>Well ID:</b>	7239776				<b>Lot:</b>
<b>Construction Date::</b>					<b>Concession:</b>
<b>Primary Water Use::</b>	Monitoring				<b>Concession Name:</b>
<b>Sec. Water Use::</b>					<b>Easting NAD83::</b>
<b>Final Well Status::</b>					<b>Northing NAD83::</b>
<b>Specific Capacity::</b>					<b>Zone::</b>
<b>Municipality:</b>	OAKVILLE TOWN				<b>UTM Reliability::</b>
<b>County:</b>	HALTON				
<b>Bore Hole Information</b>					
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<b>Bore Hole ID:</b>		1005322429			
<b>DP2BR:</b>					
<b>Code OB:</b>					
<b>Code OB Description:</b>					
<b>Open Hole:</b>					
<b>Date Completed:</b>		17-FEB-15			
<b>Remarks:</b>					
<b>Zone:</b>		17			
<b>East 83:</b>		601818			
<b>North 83:</b>		4815873			
<b>UTMRC:</b>		4			
<b>UTMRC Description:</b>		margin of error : 30 m - 100 m			
<b>Location Method:</b>		wvr			
<b>Org CS:</b>		UTM83			
<b>Elevation:</b>					
<b>Elevrc:</b>					
<b>Elevrc Description:</b>					
<b>Location Source Date:</b>					
<b>Source Revision Comment:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
<b>Supplier Comment:</b>					
<b>Spatial Status:</b>					
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<b>Overburden and Bedrock Materials Interval</b>					
--					
<b>Formation ID:</b>		1005574589			
<b>Layer:</b>		1			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		SILT			
<b>Other Materials:</b>		CLAY			
<b>Other Materials:</b>		DENSE			
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		13			
<b>Formation End Depth UOM:</b>		ft			
--					
<b>Formation ID:</b>		1005574590			
<b>Layer:</b>		2			
<b>General Color:</b>		RED			
<b>Most Common Material:</b>		SHALE			
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		13			
<b>Formation End Depth:</b>		20			
<b>Formation End Depth UOM:</b>		ft			
--					
<b>Annular Space/Abandonment Sealing Record</b>					
--					
<b>Plug ID:</b>		1005574597			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		1			
<b>Plug Depth UOM:</b>		ft			
--					
<b>Plug ID:</b>		1005574598			
<b>Layer:</b>		2			
<b>Plug From:</b>		1			
<b>Plug To:</b>		12			
<b>Plug Depth UOM:</b>		ft			
--					
<b>Plug ID:</b>		1005574599			
<b>Layer:</b>		3			
<b>Plug From:</b>		12			
<b>Plug To:</b>		20			
<b>Plug Depth UOM:</b>		ft			
--					
<b>Method of Construction &amp; Well Use</b>					
--					
<b>Method Construction ID:</b>		1005574596			
<b>Method Construction Code:</b>		2			
<b>Method Construction:</b>		Rotary (Convent.)			
<b>Other Method Construction:</b>					
--					
<b>Pipe Information</b>					
--					
<b>Pipe ID:</b>		1005574588			
<b>Casing Number:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
--					
<b>Construction Record - Casing</b>					
--					
<b>Casing ID:</b>		1005574593			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>		PLASTIC			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
		0			
		13			
		2			
		inch			
		ft			
		--			
		--			
		1005574594			
		1			
		10			
		13			
		20			
		5			
		ft			
		inch			
		2.25			
		--			
		1005574591			
		6.25			
		0			
		20			
		ft			
		inch			
		--			
		--			

WWIS

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1 of 1

WSW/143.8

178.8

ON

<b>Well ID:</b>	7212893	<b>Lot:</b>	
<b>Construction Date::</b>		<b>Concession:</b>	
<b>Primary Water Use::</b>		<b>Concession Name:</b>	
<b>Sec. Water Use::</b>		<b>Easting NAD83::</b>	
<b>Final Well Status::</b>		<b>Northing NAD83::</b>	
<b>Specific Capacity::</b>		<b>Zone::</b>	
<b>Municipality:</b>	OAKVILLE TOWN	<b>UTM Reliability::</b>	
<b>County:</b>	HALTON		

**Bore Hole Information**

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**Bore Hole ID:** 1004665586

**DP2BR:**

**Code OB:**

**Code OB Description:**

**Open Hole:**

**Date Completed:** 04-SEP-13

**Remarks:**

**Zone:** 17

**East 83:** 601453

**North 83:** 4815335

**UTMRC:** 4

**UTMRC Description:** margin of error : 30 m - 100 m

**Location Method:** wwr

**Org CS:** UTM83

**Elevation:**

**Elevrc:**

**Elevrc Description:**

**Location Source Date:**

**Source Revision Comment:**

**Improvement Location Source:**

**Improvement Location Method:**

**Supplier Comment:**



DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
<b>Spatial Status:</b>					
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--		--			

**WWIS**      **8**      1 of 1      N/147.3      176.8      Oakville ON

<b>Well ID:</b>	7239775	<b>Lot:</b>	
<b>Construction Date::</b>		<b>Concession:</b>	
<b>Primary Water Use::</b>	Monitoring	<b>Concession Name:</b>	
<b>Sec. Water Use::</b>		<b>Easting NAD83::</b>	
<b>Final Well Status::</b>		<b>Northing NAD83::</b>	
<b>Specific Capacity::</b>		<b>Zone::</b>	
<b>Municipality:</b>	OAKVILLE TOWN	<b>UTM Reliability::</b>	
<b>County:</b>	HALTON		

**Bore Hole Information**

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**Bore Hole ID:** 1005322426

**DP2BR:**

**Code OB:**

**Code OB Description:**

**Open Hole:**

**Date Completed:** 17-FEB-15

**Remarks:**

**Zone:** 17

**East 83:** 601811

**North 83:** 4815882

**UTMRC:** 4

**UTMRC Description:** margin of error : 30 m - 100 m

**Location Method:** wwr

**Org CS:** UTM83

**Elevation:**

**Elevrc:**

**Elevrc Description:**

**Location Source Date:**

**Source Revision Comment:**

**Improvement Location Source:**

**Improvement Location Method:**

**Supplier Comment:**

**Spatial Status:**

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**Overburden and Bedrock  
Materials Interval**

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**Formation ID:** 1005574460

**Layer:** 1

**General Color:** BROWN

**Most Common Material:** SILT

**Other Materials:** CLAY

**Other Materials:** DENSE

**Formation Top Depth:** 0

**Formation End Depth:** 13

**Formation End Depth UOM:** ft

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**Formation ID:** 1005574461

**Layer:** 2

**General Color:** RED

**Most Common Material:** SHALE

**Other Materials:**

**Other Materials:** WATER-BEARING

**Formation Top Depth:** 13

**Formation End Depth:** 20

**Formation End Depth UOM:** ft

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**Annular Space/Abandonment**

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
<b>Sealing Record</b>					
--		--			
	<b>Plug ID:</b>	1005574468			
	<b>Layer:</b>	1			
	<b>Plug From:</b>	0			
	<b>Plug To:</b>	1			
	<b>Plug Depth UOM:</b>	ft			
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	<b>Plug ID:</b>	1005574469			
	<b>Layer:</b>	2			
	<b>Plug From:</b>	1			
	<b>Plug To:</b>	11			
	<b>Plug Depth UOM:</b>	ft			
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	<b>Plug ID:</b>	1005574470			
	<b>Layer:</b>	3			
	<b>Plug From:</b>	11			
	<b>Plug To:</b>	20			
	<b>Plug Depth UOM:</b>	ft			
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<b>Method of Construction &amp; Well Use</b>					
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	<b>Method Construction ID:</b>	1005574467			
	<b>Method Construction Code:</b>	2			
	<b>Method Construction:</b>	Rotary (Convent.)			
	<b>Other Method Construction:</b>				
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<b>Pipe Information</b>					
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	<b>Pipe ID:</b>	1005574459			
	<b>Casing Number:</b>	0			
	<b>Comment:</b>				
	<b>Alt Name:</b>				
--		--			
<b>Construction Record - Casing</b>					
--		--			
	<b>Casing ID:</b>	1005574464			
	<b>Layer:</b>	1			
	<b>Open Hole or Material:</b>	PLASTIC			
	<b>Depth From:</b>	0			
	<b>Depth To:</b>	12			
	<b>Casing Diameter:</b>	2			
	<b>Casing Diameter UOM:</b>	inch			
	<b>Casing Depth UOM:</b>	ft			
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--		--			
<b>Construction Record - Screen</b>					
--		--			
	<b>Screen ID:</b>	1005574465			
	<b>Layer:</b>	1			
	<b>Slot:</b>	10			
	<b>Screen Top Depth:</b>	12			
	<b>Screen End Depth:</b>	20			
	<b>Screen Material:</b>	5			
	<b>Screen Depth UOM:</b>	ft			
	<b>Screen Diameter UOM:</b>	inch			
	<b>Screen Diameter:</b>	2.25			
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<b>Hole Diameter</b>					
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	<b>Hole ID:</b>	1005574462			
	<b>Diameter:</b>	6.25			
	<b>Depth From:</b>	0			
	<b>Depth To:</b>	20			
	<b>Hole Depth UOM:</b>	ft			
	<b>Hole Diameter UOM:</b>	inch			

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
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<b>WWIS</b>	<b>10</b>	<b>1 of 1</b>	<b>N/154.4</b>	<b>176.8</b>	<b>lot 15 con 1 OAKVILLE ON</b>
<b>Well ID:</b>	7199037			<b>Lot:</b>	015
<b>Construction Date::</b>				<b>Concession:</b>	01
<b>Primary Water Use::</b>				<b>Concession Name:</b>	DS N
<b>Sec. Water Use::</b>				<b>Easting NAD83::</b>	
<b>Final Well Status::</b>	Abandoned-Other			<b>Northing NAD83::</b>	
<b>Specific Capacity::</b>				<b>Zone::</b>	
<b>Municipality:</b>	OAKVILLE TOWN			<b>UTM Reliability::</b>	
<b>County:</b>	HALTON				
<b>Bore Hole Information</b>					
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<b>Bore Hole ID:</b>	1004266233				
<b>DP2BR:</b>					
<b>Code OB:</b>					
<b>Code OB Description:</b>					
<b>Open Hole:</b>					
<b>Date Completed:</b>					
<b>Remarks:</b>					
<b>Zone:</b>	17				
<b>East 83:</b>	601834				
<b>North 83:</b>	4815893				
<b>UTMRC:</b>	4				
<b>UTMRC Description:</b>	margin of error : 30 m - 100 m				
<b>Location Method:</b>	wwr				
<b>Org CS:</b>	UTM83				
<b>Elevation:</b>					
<b>Elevrc:</b>					
<b>Elevrc Description:</b>					
<b>Location Source Date:</b>					
<b>Source Revision Comment:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Supplier Comment:</b>					
<b>Spatial Status:</b>					
--		--			
<b>Overburden and Bedrock Materials Interval</b>					
--		--			
<b>Formation ID:</b>	1004923546				
<b>Layer:</b>					
<b>General Color:</b>					
<b>Most Common Material:</b>					
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>					
<b>Formation End Depth:</b>					
<b>Formation End Depth UOM:</b>	m				
--		--			
<b>Annular Space/Abandonment Sealing Record</b>					
--		--			
<b>Plug ID:</b>	1004923552				
<b>Layer:</b>	1				
<b>Plug From:</b>	7				
<b>Plug To:</b>	6				
<b>Plug Depth UOM:</b>	m				
--		--			
<b>Plug ID:</b>	1004923553				
<b>Layer:</b>	2				
<b>Plug From:</b>	6				

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
<i>Plug To:</i>		4			
<i>Plug Depth UOM:</i>		m			
--		--			
<i>Plug ID:</i>		1004923554			
<i>Layer:</i>		3			
<i>Plug From:</i>		4			
<i>Plug To:</i>		0			
<i>Plug Depth UOM:</i>		m			
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<i>Method of Construction &amp; Well Use</i>					
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<i>Method Construction ID:</i>		1004923551			
<i>Method Construction Code:</i>					
<i>Method Construction:</i>					
<i>Other Method Construction:</i>					
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<i>Pipe Information</i>					
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<i>Pipe ID:</i>		1004923545			
<i>Casing Number:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
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<i>Construction Record - Casing</i>					
--		--			
<i>Casing ID:</i>		1004923549			
<i>Layer:</i>		1			
<i>Open Hole or Material:</i>					
<i>Depth From:</i>		7			
<i>Depth To:</i>		0			
<i>Casing Diameter:</i>		152.4			
<i>Casing Diameter UOM:</i>		cm			
<i>Casing Depth UOM:</i>		m			
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<i>Construction Record - Screen</i>					
--		--			
<i>Screen ID:</i>		1004923550			
<i>Layer:</i>					
<i>Slot:</i>					
<i>Screen Top Depth:</i>					
<i>Screen End Depth:</i>					
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>		m			
<i>Screen Diameter UOM:</i>		cm			
<i>Screen Diameter:</i>					
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<i>Hole Diameter</i>					
--		--			
<i>Hole ID:</i>		1004923547			
<i>Diameter:</i>		160.02			
<i>Depth From:</i>		0			
<i>Depth To:</i>		7			
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			
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WWIS

11

1 of 1

ESE/189.0

173.9

Oakville ON

*Well ID:* 7239288  
*Construction Date::*  
*Primary Water Use::* Monitoring  
*Sec. Water Use::*

*Lot:*  
*Concession:*  
*Concession Name:*  
*Easting NAD83::*

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
<b>Final Well Status::</b>	Observation Wells			<b>Northing NAD83::</b>	
<b>Specific Capacity::</b>				<b>Zone::</b>	
<b>Municipality:</b>	OAKVILLE TOWN			<b>UTM Reliability::</b>	
<b>County:</b>	HALTON				
<b>Bore Hole Information</b>					
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<b>Bore Hole ID:</b>		1005319257			
<b>DP2BR:</b>					
<b>Code OB:</b>					
<b>Code OB Description:</b>					
<b>Open Hole:</b>					
<b>Date Completed:</b>		14-MAR-15			
<b>Remarks:</b>					
<b>Zone:</b>		17			
<b>East 83:</b>		602200			
<b>North 83:</b>		4815382			
<b>UTMRC:</b>		4			
<b>UTMRC Description:</b>		margin of error : 30 m - 100 m			
<b>Location Method:</b>		wwr			
<b>Org CS:</b>		UTM83			
<b>Elevation:</b>					
<b>Elevrc:</b>					
<b>Elevrc Description:</b>					
<b>Location Source Date:</b>					
<b>Source Revision Comment:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Supplier Comment:</b>					
<b>Spatial Status:</b>					
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<b>Overburden and Bedrock</b>					
<b>Materials Interval</b>					
--		--			
<b>Formation ID:</b>		1005519264			
<b>Layer:</b>		1			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Other Materials:</b>		FILL			
<b>Other Materials:</b>		LOOSE			
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		.9			
<b>Formation End Depth UOM:</b>		m			
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<b>Formation ID:</b>		1005519265			
<b>Layer:</b>		2			
<b>General Color:</b>		BROWN			
<b>Most Common Material:</b>		SAND			
<b>Other Materials:</b>		SILT			
<b>Other Materials:</b>		DENSE			
<b>Formation Top Depth:</b>		.9			
<b>Formation End Depth:</b>		4.6			
<b>Formation End Depth UOM:</b>		m			
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<b>Formation ID:</b>		1005519266			
<b>Layer:</b>		3			
<b>General Color:</b>		RED			
<b>Most Common Material:</b>		SHALE			
<b>Other Materials:</b>					
<b>Other Materials:</b>		DENSE			
<b>Formation Top Depth:</b>		4.6			
<b>Formation End Depth:</b>		10.9			
<b>Formation End Depth UOM:</b>		m			
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<b>Annular Space/Abandonment</b>					
<b>Sealing Record</b>					
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<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
<b>Plug ID:</b>		1005519274			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		7.6			
<b>Plug Depth UOM:</b>		m			
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<b>Plug ID:</b>		1005519275			
<b>Layer:</b>		2			
<b>Plug From:</b>		7.6			
<b>Plug To:</b>		10.9			
<b>Plug Depth UOM:</b>		m			
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<b>Method of Construction &amp; Well Use</b>					
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<b>Method Construction ID:</b>		1005519273			
<b>Method Construction Code:</b>		6			
<b>Method Construction:</b>		Boring			
<b>Other Method Construction:</b>					
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<b>Pipe Information</b>					
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<b>Pipe ID:</b>		1005519263			
<b>Casing Number:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
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<b>Construction Record - Casing</b>					
--		--			
<b>Casing ID:</b>		1005519270			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		7.9			
<b>Casing Diameter:</b>		52			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
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--		--			
<b>Construction Record - Screen</b>					
--		--			
<b>Screen ID:</b>		1005519271			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		7.9			
<b>Screen End Depth:</b>		10.9			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		6.4			
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<b>Hole Diameter</b>					
--		--			
<b>Hole ID:</b>		1005519267			
<b>Diameter:</b>		21			
<b>Depth From:</b>		0			
<b>Depth To:</b>		4.6			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
--		--			
<b>Hole ID:</b>		1005519268			
<b>Diameter:</b>		9.9			
<b>Depth From:</b>		4.6			
<b>Depth To:</b>		10.9			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
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DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
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<b>WWIS</b>	<b>12</b>	<b>1 of 1</b>	<b>N/210.0</b>	<b>176.8</b>	<b>lot 15 con 1 ON</b>
<b>Well ID:</b>	7190550			<b>Lot:</b>	015
<b>Construction Date::</b>				<b>Concession:</b>	01
<b>Primary Water Use::</b>	Not Used			<b>Concession Name:</b>	DS N
<b>Sec. Water Use::</b>				<b>Easting NAD83::</b>	
<b>Final Well Status::</b>	Abandoned-Other			<b>Northing NAD83::</b>	
<b>Specific Capacity::</b>				<b>Zone::</b>	
<b>Municipality:</b>	OAKVILLE TOWN			<b>UTM Reliability::</b>	
<b>County:</b>	HALTON				
<b>Bore Hole Information</b>					
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<b>Bore Hole ID:</b>	1004190249				
<b>DP2BR:</b>					
<b>Code OB:</b>					
<b>Code OB Description:</b>					
<b>Open Hole:</b>					
<b>Date Completed:</b>	25-JUL-12				
<b>Remarks:</b>					
<b>Zone:</b>	17				
<b>East 83:</b>	601853				
<b>North 83:</b>	4815949				
<b>UTMRC:</b>	4				
<b>UTMRC Description:</b>	margin of error : 30 m - 100 m				
<b>Location Method:</b>	wwr				
<b>Org CS:</b>	UTM83				
<b>Elevation:</b>					
<b>Elevrc:</b>					
<b>Elevrc Description:</b>					
<b>Location Source Date:</b>					
<b>Source Revision Comment:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Supplier Comment:</b>					
<b>Spatial Status:</b>					
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<b>Overburden and Bedrock Materials Interval</b>					
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<b>Formation ID:</b>	1004528446				
<b>Layer:</b>					
<b>General Color:</b>					
<b>Most Common Material:</b>					
<b>Other Materials:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>					
<b>Formation End Depth:</b>					
<b>Formation End Depth UOM:</b>	ft				
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<b>Annular Space/Abandonment Sealing Record</b>					
--	--	--	--	--	--
<b>Plug ID:</b>	1004528453				
<b>Layer:</b>	1				
<b>Plug From:</b>	0				
<b>Plug To:</b>	13				
<b>Plug Depth UOM:</b>	ft				
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<b>Plug ID:</b>	1004528454				
<b>Layer:</b>	2				
<b>Plug From:</b>	13				
<b>Plug To:</b>	15				

<b>DB</b>	<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>
<b>Plug Depth UOM:</b>		ft			
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<b>Method of Construction &amp; Well Use</b>					
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<b>Method Construction ID:</b>		1004528452			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
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<b>Pipe Information</b>					
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<b>Pipe ID:</b>		1004528445			
<b>Casing Number:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
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<b>Construction Record - Casing</b>					
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<b>Casing ID:</b>		1004528449			
<b>Layer:</b>		1			
<b>Open Hole or Material:</b>					
<b>Depth From:</b>		0			
<b>Depth To:</b>		15			
<b>Casing Diameter:</b>		48			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
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<b>Construction Record - Screen</b>					
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<b>Screen ID:</b>		1004528450			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>					
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<b>Hole Diameter</b>					
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<b>Hole ID:</b>		1004528447			
<b>Diameter:</b>		48			
<b>Depth From:</b>		0			
<b>Depth To:</b>		15			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
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**WWIS**

**13**

**1 of 1**

**NNW/211.6**

**177.8**

**OAKVILLE ON**

**Well ID:** 7114870  
**Construction Date::**  
**Primary Water Use::** Monitoring and Test Hole  
**Sec. Water Use::**  
**Final Well Status::** Monitoring and Test Hole  
**Specific Capacity::**  
**Municipality:** OAKVILLE TOWN  
**County:** HALTON

**Lot:**  
**Concession:**  
**Concession Name:**  
**Easting NAD83::**  
**Northing NAD83::**  
**Zone::**  
**UTM Reliability::**

**Bore Hole Information**

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<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
<i>Bore Hole ID:</i>		1001881363			
<i>DP2BR:</i>					
<i>Code OB:</i>					
<i>Code OB Description:</i>					
<i>Open Hole:</i>					
<i>Date Completed:</i>		16-SEP-08			
<i>Remarks:</i>					
<i>Zone:</i>		17			
<i>East 83:</i>		601604			
<i>North 83:</i>		4815794			
<i>UTMRC:</i>		3			
<i>UTMRC Description:</i>		margin of error : 10 - 30 m			
<i>Location Method:</i>		wwr			
<i>Org CS:</i>		UTM83			
<i>Elevation:</i>		176.28			
<i>Elevrc:</i>					
<i>Elevrc Description:</i>					
<i>Location Source Date:</i>					
<i>Source Revision Comment:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Supplier Comment:</i>					
<i>Spatial Status:</i>		--			
<i>Overburden and Bedrock Materials Interval</i>		--			
<i>Formation ID:</i>		1001960302			
<i>Layer:</i>		1			
<i>General Color:</i>		BROWN			
<i>Most Common Material:</i>		TOPSOIL			
<i>Other Materials:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>		0			
<i>Formation End Depth:</i>		1			
<i>Formation End Depth UOM:</i>		ft			
<i>Formation ID:</i>		1001960303			
<i>Layer:</i>		2			
<i>General Color:</i>		RED			
<i>Most Common Material:</i>		CLAY			
<i>Other Materials:</i>		SILT			
<i>Other Materials:</i>		TILL			
<i>Formation Top Depth:</i>		1			
<i>Formation End Depth:</i>		17			
<i>Formation End Depth UOM:</i>		ft			
<i>Formation ID:</i>		1001960304			
<i>Layer:</i>		3			
<i>General Color:</i>		RED			
<i>Most Common Material:</i>		SHALE			
<i>Other Materials:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>		17			
<i>Formation End Depth:</i>		22			
<i>Formation End Depth UOM:</i>		ft			
<i>Annular Space/Abandonment Sealing Record</i>		--			
<i>Plug ID:</i>		1001960306			
<i>Layer:</i>		1			
<i>Plug From:</i>		0			
<i>Plug To:</i>		15			
<i>Plug Depth UOM:</i>		ft			
<i>Plug ID:</i>		1001960307			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
<i>Layer:</i>		2			
<i>Plug From:</i>		15			
<i>Plug To:</i>		22			
<i>Plug Depth UOM:</i>		ft			
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<i>Method of Construction &amp; Well Use</i>					
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<i>Method Construction ID:</i>		1001960313			
<i>Method Construction Code:</i>		B			
<i>Method Construction:</i>		Other Method			
<i>Other Method Construction:</i>		AUGER			
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<i>Pipe Information</i>					
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<i>Pipe ID:</i>		1001960301			
<i>Casing Number:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
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<i>Construction Record - Casing</i>					
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<i>Casing ID:</i>		1001960309			
<i>Layer:</i>					
<i>Open Hole or Material:</i>					
<i>Depth From:</i>					
<i>Depth To:</i>					
<i>Casing Diameter:</i>					
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
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<i>Construction Record - Screen</i>					
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<i>Screen ID:</i>		1001960310			
<i>Layer:</i>					
<i>Slot:</i>					
<i>Screen Top Depth:</i>					
<i>Screen End Depth:</i>					
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>		ft			
<i>Screen Diameter UOM:</i>		inch			
<i>Screen Diameter:</i>					
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<i>Hole Diameter</i>					
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<i>Hole ID:</i>		1001960305			
<i>Diameter:</i>		8			
<i>Depth From:</i>		0			
<i>Depth To:</i>		22			
<i>Hole Depth UOM:</i>		ft			
<i>Hole Diameter UOM:</i>		inch			
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<b>WWIS</b>	<b><u>14</u></b>	<b>1 of 1</b>	<b>NNW/223.9</b>	<b>176.8</b>	<b>lot 16 con 1 ON</b>
<i>Well ID:</i>	2808261			<i>Lot:</i>	016
<i>Construction Date::</i>				<i>Concession:</i>	01
<i>Primary Water Use::</i>	Domestic			<i>Concession Name:</i>	DS N
<i>Sec. Water Use::</i>				<i>Easting NAD83::</i>	
<i>Final Well Status::</i>	Water Supply			<i>Northing NAD83::</i>	
<i>Specific Capacity::</i>				<i>Zone::</i>	
<i>Municipality:</i>	OAKVILLE TOWN			<i>UTM Reliability::</i>	
<i>County:</i>	HALTON				

<b>DB</b>	<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elevation (m)</b>	<b>Site</b>
<b>Bore Hole Information</b>					
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	<b>Bore Hole ID:</b>	10154518			
	<b>DP2BR:</b>	17			
	<b>Code OB:</b>	r			
	<b>Code OB Description:</b>	Bedrock			
	<b>Open Hole:</b>				
	<b>Date Completed:</b>	29-SEP-93			
	<b>Remarks:</b>				
	<b>Zone:</b>	17			
	<b>East 83:</b>	601617.2			
	<b>North 83:</b>	4815825			
	<b>UTMRC:</b>	3			
	<b>UTMRC Description:</b>	margin of error : 10 - 30 m			
	<b>Location Method:</b>	gps			
	<b>Org CS:</b>				
	<b>Elevation:</b>	176.08			
	<b>Elevrc:</b>				
	<b>Elevrc Description:</b>				
	<b>Location Source Date:</b>				
	<b>Source Revision Comment:</b>				
	<b>Improvement Location Source:</b>				
	<b>Improvement Location Method:</b>				
	<b>Supplier Comment:</b>				
	<b>Spatial Status:</b>				
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<b>Overburden and Bedrock Materials Interval</b>					
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	<b>Formation ID:</b>	931450880			
	<b>Layer:</b>	1			
	<b>General Color:</b>	BROWN			
	<b>Most Common Material:</b>	CLAY			
	<b>Other Materials:</b>				
	<b>Other Materials:</b>				
	<b>Formation Top Depth:</b>	0			
	<b>Formation End Depth:</b>	14			
	<b>Formation End Depth UOM:</b>	ft			
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	<b>Formation ID:</b>	931450881			
	<b>Layer:</b>	2			
	<b>General Color:</b>	RED			
	<b>Most Common Material:</b>	CLAY			
	<b>Other Materials:</b>				
	<b>Other Materials:</b>				
	<b>Formation Top Depth:</b>	14			
	<b>Formation End Depth:</b>	17			
	<b>Formation End Depth UOM:</b>	ft			
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	<b>Formation ID:</b>	931450882			
	<b>Layer:</b>	3			
	<b>General Color:</b>	RED			
	<b>Most Common Material:</b>	SHALE			
	<b>Other Materials:</b>				
	<b>Other Materials:</b>				
	<b>Formation Top Depth:</b>	17			
	<b>Formation End Depth:</b>	60			
	<b>Formation End Depth UOM:</b>	ft			
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<b>Method of Construction &amp; Well Use</b>					
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	<b>Method Construction ID:</b>	962808261			
	<b>Method Construction Code:</b>	1			
	<b>Method Construction:</b>	Cable Tool			
	<b>Other Method Construction:</b>				

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
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	<b>Pipe Information</b>				
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	<b>Pipe ID:</b>	10703088			
	<b>Casing Number:</b>	1			
	<b>Comment:</b>				
	<b>Alt Name:</b>				
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	<b>Construction Record - Casing</b>				
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	<b>Casing ID:</b>	930262896			
	<b>Layer:</b>	1			
	<b>Open Hole or Material:</b>	STEEL			
	<b>Depth From:</b>				
	<b>Depth To:</b>	20			
	<b>Casing Diameter:</b>	6			
	<b>Casing Diameter UOM:</b>	inch			
	<b>Casing Depth UOM:</b>	ft			
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	<b>Casing ID:</b>	930262897			
	<b>Layer:</b>	2			
	<b>Open Hole or Material:</b>	OPEN HOLE			
	<b>Depth From:</b>				
	<b>Depth To:</b>	60			
	<b>Casing Diameter:</b>	6			
	<b>Casing Diameter UOM:</b>	inch			
	<b>Casing Depth UOM:</b>	ft			
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	<b>Well Yield Testing</b>				
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	<b>Pump Test ID:</b>	992808261			
	<b>Pump Set At:</b>				
	<b>Static Level:</b>	16			
	<b>Final Level After Pumping:</b>	49			
	<b>Recommended Pump Depth:</b>	52			
	<b>Pumping Rate:</b>	10			
	<b>Flowing Rate:</b>				
	<b>Recommended Pump Rate:</b>	10			
	<b>Levels UOM:</b>	ft			
	<b>Rate UOM:</b>	GPM			
	<b>Water State After Test Code:</b>	2			
	<b>Water State After Test:</b>	CLOUDY			
	<b>Pumping Test Method:</b>	2			
	<b>Pumping Duration HR:</b>	1			
	<b>Pumping Duration MIN:</b>	0			
	<b>Flowing:</b>	N			
--		--			
	<b>Draw Down &amp; Recovery</b>				
--		--			
	<b>Pump Test Detail ID:</b>	934181263			
	<b>Pump Test ID:</b>	992808261			
	<b>Test Type:</b>	Draw Down			
	<b>Test Duration:</b>	15			
	<b>Test Level:</b>	31			
	<b>Test Level UOM:</b>	ft			
--		--			
	<b>Pump Test Detail ID:</b>	934446426			
	<b>Pump Test ID:</b>	992808261			
	<b>Test Type:</b>	Draw Down			
	<b>Test Duration:</b>	30			
	<b>Test Level:</b>	49			
	<b>Test Level UOM:</b>	ft			
--		--			
	<b>Pump Test Detail ID:</b>	934713900			
	<b>Pump Test ID:</b>	992808261			
	<b>Test Type:</b>	Draw Down			
	<b>Test Duration:</b>	45			

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
<b>Test Level:</b>		49			
<b>Test Level UOM:</b>		ft			
--		--			
<b>Pump Test Detail ID:</b>		934975196			
<b>Pump Test ID:</b>		992808261			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		49			
<b>Test Level UOM:</b>		ft			
--		--			
--		--			
<b>Water Details</b>					
--		--			
<b>Water ID:</b>		933611992			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		56			
<b>Water Found Depth UOM:</b>		ft			
--		--			
--		--			

# Unplottable Summary

Total: **11** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	The Corporation of the Town of Oakville	Sixth Line	Oakville ON	
CA		East Side of Sixth Line	Oakville ON	
CA	The Corporation of the Town of Oakville	Sixth Line	Oakville ON	
EBR	Sixth Line Corporation	6th Line Oakville Regional Municipality of Halton TOWN OF OAKVILLE	ON	
ECA	The Regional Municipality of Halton	Burnhamthorpe Road (from Bronte Road to Third Line)	Oakville ON	
ECA	The Regional Municipality of Halton	Burnhamthorpe Road (Reg. Rd. 27) from ronte Road to Third Line	Town of Oakville ON	
ECA	Sixth Line Corporation	Part of Lot 15	Town of Oakville ON	
ECA	Pendent Developments Limited	Part of Lot 17, 18, 19, Concession 1	Oakville ON	
EHS		Part of Lot 15, Concession 1, North of Dundas Street, Geographic Township of Oakville, Regional	Oakville ON	
SPL	Terratec Environmental Ltd.	Lot 15 Con 1 NDS	Oakville ON	
SPL	UNION GAS LTD.	BURNHAMTHORPE RD WEST AT MAIN GAS TRANSMISSION LINE FROM MILTON. PIPELINE/COMPRESSOR STATION	OAKVILLE TOWN ON	

# Unplottable Report

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**Database:** CA **Site:** *The Corporation of the Town of Oakville  
Sixth Line Oakville ON*

**Certificate #:** 4598-8M5Q3G  
**Application Year:** 2011  
**Issue Date:** 10/26/2011  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Database:** CA **Site:** *East Side of Sixth Line Oakville ON*

**Certificate #:** 4455-4JGLK2  
**Application Year:** 00  
**Issue Date:** 4/20/00  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name::** Corporation of the Regional Municipality of Halton  
**Client Address::** 1151 Bronte Road  
**Client City::** Oakville  
**Client Postal Code::** L6M 3L1  
**Project Description::** Construction of approximately 16,000 m3 concrete in-ground water storage reservoir, in addition to the existing Moore Reservoir. Construction of a chemical room to house rechlorination facilities, including a 4,450 L storage tank, two chemical metering pumps, two chlorine residual analysers and necessary piping.  
**Contaminants::**  
**Emission Control::**

---

**Database:** CA **Site:** *The Corporation of the Town of Oakville  
Sixth Line Oakville ON*

**Certificate #:** 0985-5WKN4W  
**Application Year:** 2004  
**Issue Date:** 3/1/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Database:** **EBR**

**Site:** **Sixth Line Corporation**  
**6th Line Oakville Regional Municipality of Halton TOWN OF OAKVILLE ON**

**Company Name:**  
**Notice Type:** Instrument Decision  
**EBR Registry No.:** 012-6473  
**Instrument Type:** Sixth Line Corporation (EPA Part II.1-sewage) - Environmental Compliance Approval (project type: sewage)  
**Year:** 2016  
**Ministry Ref. No.:** 6638-A5UJEH  
**Proposal Date:** January 20, 2016  
**Location:** 6th Line Oakville Regional Municipality of Halton TOWN OF OAKVILLE  
**Proponent Address:** 2500 Appleby Line, Burlington Ontario, Canada L7L 0A2  
**Notice Date:** May 05, 2016

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**Database:** **ECA**

**Site:** **The Regional Municipality of Halton**  
**Burnhamthorpe Road (from Bronte Road to Third Line) Oakville ON**

**Record Type:**  
**PDF URL:**  
**Full Address:** Burnhamthorpe Road (from Bronte Road to Third Line) Town of Oakville, Regional Municipality of Halton  
**CofA Number:** 5094-9NS248  
**Date:** 2/19/15  
**Status:** Approved  
**Project Type:** Municipal and Private Sewage

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**Database:** **ECA**

**Site:** **The Regional Municipality of Halton**  
**Burnhamthorpe Road (Reg. Rd. 27) from ronte Road to Third Line Town of Oakville ON**

**Record Type:**  
**PDF URL:**  
**Full Address:** Burnhamthorpe Road (Reg. Rd. 27) from ronte Road to Third Line Town of Oakville, Regional Municipality Iton  
**CofA Number:** 6155-9L2LGU  
**Date:** 6/27/14  
**Status:** Approved  
**Project Type:** Municipal and Private Sewage

---

**Database:** **ECA**

**Site:** **Sixth Line Corporation**  
**Part of Lot 15 Town of Oakville ON**

**Record Type:**  
**PDF URL:** <https://www.accessenvironment.ene.gov.on.ca/instruments/6638-A5UJEH-14.pdf>  
**Full Address:** Part of Lot 15, Concession 1 (Trafalgar) Town of Oakville, Regional Municipality of Halton  
**CofA Number:** 5510-A9DQJJ  
**Date:** 2016-04-29  
**Status:** Approved  
**Project Type:** Municipal and Private Sewage Works

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**Database:** **ECA**

**Site:** **Pendent Developments Limited**  
**Part of Lot 17, 18, 19, Concession 1 Oakville ON**

**Record Type:**  
**PDF URL:**  
**Full Address:** SWM Pond 12 Part of Lot 17, 18, 19, Concession 1 Town of Oakville, Regional Municipality ofalton  
**CofA Number:** 1485-9RNS77  
**Date:** 12/19/14  
**Status:** Approved  
**Project Type:** Municipal and Private Sewage

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Database: **EHS**

Site:

**Part of Lot 15, Concession 1, North of Dundas Street, Geographic Township of Oakville,  
Regional Oakville ON**

Postal Code:

City:

Address2:

Address1:

Provstate:

Order No.:

20110506032

Addit. Info Ordered.:

Fire Insur. Maps and/or Site Plans

Report Date:

5/17/2011

Report Type:

Custom Report

Search Radius (km):

0.25

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Database: **SPL**

Site:

**Terratec Environmental Ltd.  
Lot 15 Con 1 NDS Oakville ON**

Ref No:

1073-5S4PFZ

Contaminant Code:

Contaminant Name:

Liquid Sewage

Contaminant Quantity:

227.5 L

Incident Cause:

Process Upset

Incident Dt:

10/7/2003

Incident Reason:

Equipment Failure

Incident Summary:

Terratec Env: <50 Gal biosolids spill

MOE Reported Dt:

10/7/2003

Environmental Impact:

Possible

Nature of Impact:

Soil Contamination; Surface Water Pollution

Receiving Medium:

Land & Water

SAC Action Class:

Spills

Sector Source Type:

Other

Receiving Environment:

Incident Event:

Site Municipality:

Oakville

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Database: **SPL**

Site:

**UNION GAS LTD.  
BURNHAMTHORPE RD WEST AT MAIN GAS TRANSMISSION LINE FROM MILTON.  
PIPELINE/COMPRESSOR STATION OAKVILLE TOWN ON**

Ref No:

159843

Contaminant Code:

Contaminant Name:

Contaminant Quantity:

Incident Cause:

PIPE/HOSE LEAK

Incident Dt:

9/7/1998

Incident Reason:

ERROR

Incident Summary:

UNION GAS-ONGOING NATURALGAS LEAK TO ATM FROM MAINLINE, BACKHOE DAMAGE, FD.

MOE Reported Dt:

9/7/1998

Environmental Impact:

POSSIBLE

Nature of Impact:

Air Pollution

Receiving Medium:

AIR

SAC Action Class:

Sector Source Type:

Receiving Environment:

Incident Event:

Site Municipality:

14403

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# 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 2016**

## **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 2014**

## **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: Oct 31, 2016**

## **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](#)

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

**Government Publication Date: Oct 31, 2016**

**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: Oct 31, 2016**

**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 31, 2012**

**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-Nov 2016**

**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-Dec 2016**

**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-Aug 2015**

**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-Nov 2016**

**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-Dec 2016**

**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-Nov 2016**

**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-Aug 2016**

**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**

The Emergency Management Historical Event data class will store the locations of historical occurrences of emergency events. Events captured will include 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.

**Government Publication Date: May 31, 2014**

**List of TSSA Expired Facilities:**

Provincial **EXP**

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

**Government Publication Date: Oct 31, 2016**

**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: June 2000-Oct 2015**

**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-Sept 2003**

**Fuel Storage Tank:**

Provincial **FST**

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

**Government Publication Date: Oct 31, 2016**

**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-Sep 2016**

**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 2014**

**TSSA Historic Incidents:**

Provincial **HINC**

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**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**

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, 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. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**Government Publication Date: Oct 31, 2016**

**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: Dec 31, 2013**

**Canadian Mine Locations:**

Private

MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

**Government Publication Date: 1998-2009\***

**Mineral Occurrences:**

Provincial

MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

**Government Publication Date: 1846-Feb 2016**

**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, 2014**

**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-Aug 2010**

**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 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: 1993-2014**

**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](http://www.nickles.com).

**Government Publication Date: 1988-Jun 2016**

**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-Oct 2016**

**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-Dec 2016**

**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**

**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-Oct 2016**

**TSSA Pipeline Incidents:**

Provincial PINC

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

**Government Publication Date: Oct 31, 2016**

**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-Dec 2016**

**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: 1986-2013**

**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-Dec 2016**

**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: Oct 31, 2016**

**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 2016**

**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: 1990-2014**

**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-Jan 2015**

**TSSA Variances for Abandonment of Underground Storage Tanks:**

Provincial **VAR**

The TSSA, under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

**Government Publication Date: Oct 31, 2016**

**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: 1970-Nov 2016**

**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: Jun 30, 2016**

# 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.



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# Appendix D

**From:** Public Information Services <publicinformationsservices@tssa.org>  
**Sent:** March 8, 2018 3:03 PM  
**To:** Shafi Andseta  
**Subject:** RE: Preliminary Basic Record Search- 3270 Sixth Line, Oakville

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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 [publicinformationsservices@tssa.org](mailto:publicinformationsservices@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,

Sherees

**From:** Shafi Andseta [mailto:shafi.andseta@dsconsultants.ca]  
**Sent:** February 2, 2018 2:47 PM  
**To:** Public Information Services <publicinformationsservices@tssa.org>  
**Cc:** Prem Lal <plal@tssa.org>  
**Subject:** Preliminary Basic Record Search- 3270 Sixth Line, Oakville

Hi Mr. Lal,  
Hope you are doing well. Could you please check your records for the following properties located in Town of Oakville.

3270 Sixth Line  
3380 Sixth Line  
3158 Sixth Line  
3483 Sixth Line  
3148 Sixth Line  
3237 and 3393 Sixth Line

Regards,

**Shafi Andseta, Ph.D., P.Geo., QP (ESA) (RA)**  
**Senior Project Manager**

### **DS Consultants Limited**

6221 Highway 7, Unit 16  
Vaughan, ON L4H 0K8  
Phone: 905-264-9393

Cell. 416-529-5454  
[Shafi.andseta@dsconsultants.ca](mailto:Shafi.andseta@dsconsultants.ca)  
[www.dsconsultants.ca](http://www.dsconsultants.ca)

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

Ministry of the Environment  
and Climate Change

Freedom of Information and  
Protection of Privacy Office

12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075  
Fax: (416) 314-4285

Ministère de l'Environnement et de  
l'Action en matière de changement  
climatique

Bureau de l'accès à l'information et  
de la protection de la vie privée

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



February 27, 2018

Shafi Andseta  
DS Consultants Ltd.  
6221 Highway 7, Unit 16  
Vaughan, ON L4H 0K8

Dear Shafi Andseta:

RE: ***Freedom of Information and Protection of Privacy Act Request***  
**Our File # A-2018-01264, Your Reference 508-20**

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: 23270 Sixth Line, Oakville. 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 Ginette Beaupre at [ginette.beaupre@ontario.ca](mailto:ginette.beaupre@ontario.ca).

Yours truly,



Janet Dadufalza  
FOI Manager

Ministry of the Environment  
and Climate Change

Freedom of Information and  
Protection of Privacy Office

12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075  
Fax: (416) 314-4285

Ministère de l'Environnement et de  
l'Action en matière de changement  
climatique

Bureau de l'accès à l'information et  
de la protection de la vie privée

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



March 26, 2018

APR - 9, 2018  
SA

Shafi Andseta  
DS Consultants Ltd.  
6221 Highway 7, Unit 16  
Vaughan, ON L4H 0K8

Dear Shafi Andseta:

**RE: Freedom of Information and Protection of Privacy Act Request  
Our File #: A-2018-01264, Your Reference #: 508-20**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 23270 Sixth Line, Oakville.

After a thorough search of the Ministry's Halton Peel District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide full access to the attached information.

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ \$30/hour	\$30.00
• Copying 20 pages @ \$0.20/page	\$4.00
• Delivery	3.00
• <b>Total</b>	<b>\$ 37.00</b>
• Deposit Received	- 30.00
• <b>BALANCE WAIVED (NOT REQUIRED)</b>	<b>\$7.00</b>

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 Sharon Nelson at [sharon.nelson@ontario.ca](mailto:sharon.nelson@ontario.ca)

Yours truly,

A handwritten signature in blue ink, appearing to read "Janet Dadufalza".

*FOI* Janet Dadufalza  
FOI Manager

Attachments



SI HP OA CI 230



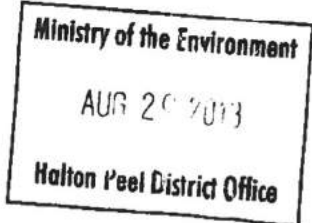
Ministry of the Environment  
Ministère de l'Environnement

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 8029-967QXV

Issue Date: April 5, 2013

Pendent Developments Limited  
2360 Bristol Circle  
Oakville, Ontario  
L6H 6M5



Site Location: Pendent Phase 1A  
Lot 16, 17, 18, Concession 1  
Town of Oakville, Regional Municipality of Halton,  
Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

- **sanitary sewers** to be constructed for the Pendent Phase 1A Subdivisions on Ellen Davidson Drive, Betsy Drive, Sixteen Mile Drive, Lane A, Lane B, Lane H, Jemima Drive, Hines Drive, Smith Way, and Sarah Cline Drive, discharging to the sanitary sewer on Dundas Street, in the Town of Oakville, Regional Municipality of Halton.

- **storm sewer** to be constructed for the Pendent Phase 1A Subdivisions on Ellen Davidson Drive, Betsy Drive, Sixteen Mile Drive, Lane A, Jemima Drive, Hines Drive, Smith Way, Sarah Cline Drive, block 41, and block pond, discharging to Munn's Creek through Stormwater Management Facility Pond 14, in the Town of Oakville, Regional Municipality of Halton.

all in accordance with the application submitted by Pendent Development Limited and received on February 20, 2013, including final plans and specifications prepared by David Schaeffer Engineering Limited (DSEL).

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval " means this Environmental Compliance Approval, including the application and supporting documentation;
2. "Director " means any *Ministry* employee appointed by the Minister pursuant to section 5 of the Part II.1 of the Environmental Protection Act;

3. "*District Manager* " means the District Manager of the Halton-Peel District Office of the *Ministry* ;
4. "*Ministry* " means the Ontario Ministry of the Environment;
5. "*Owner* " means Pendent Developments Limited, and includes its successors and assignees;
6. "*Source Protection Plan* " means a drinking water source protection plan prepared under the Clean Water Act, 2006; and
7. "*Works* " means the sewage works described in the *Owner* 's application, this *Approval* and in the supporting documentation referred to herein, to the extent approved by this *Approval* .

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## TERMS AND CONDITIONS

### 1. GENERAL PROVISIONS

- 1.1 The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
- 1.2 Except as otherwise provided by these Conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Approval* , the application for approval of the *Works* and the submitted supporting documents and plans and specifications as listed in this *Approval* .
- 1.3 Where there is a conflict between a provision of any submitted document referred to in this *Approval* and the Conditions of this *Approval* , the Conditions in this *Approval* shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.
- 1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
- 1.5 The requirements of this *Approval* are severable. If any requirement of this *Approval* , or the application of any requirement of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this *Approval* shall not be affected thereby.

2. **EXPIRY OF APPROVAL**

This *Approval* will cease to apply to those parts of the *Works* which have not been constructed within five (5) years of the date of this *Approval* .

3. **CHANGE OF OWNER**

The *Owner* shall notify the *District Manager* and the *Director* , in writing, of any of the following changes within thirty (30) days of the change occurring:

- (a) change of *Owner* ;
- (b) change of address of the *Owner* ;
- (c) change of partners where the *Owner* is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the *District Manager* ; and
- (d) change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the *District Manager* .

4. **SOURCE WATER PROTECTION**

- 4.1 The *Owner* shall, within sixty (60) calendar days of the Minister of the Environment posting approval of a *Source Protection Plan* on the environmental registry established under the Environmental Bill of Rights, 1993 for the area in which this *Approval* is applicable, apply to the *Director* for an amendment to this *Approval* that includes the necessary measures to conform with all applicable policies in the approved *Source Protection Plan*

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is imposed to ensure that the *Works* are built and operated in the manner in which they were described for review and upon which *Approval* was granted. This Condition is also included to emphasize the precedence of Conditions in the *Approval* and the practice that the *Approval* is based on the most current document, if several conflicting documents are submitted for review. The Condition also advises the *Owners* their responsibility to notify any person they authorized to carry out work pursuant to this *Approval* of the existence of this *Approval* .

2. Condition 2 is included to ensure that, when the *Works* are constructed, the *Works* will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the *Ministry* records are kept accurate and current with respect to approved *Works* and to ensure that subsequent owners of the *Works* are made aware of the *Approval* and continue to operate the *Works* in compliance with it.
4. Condition 4 is included to ensure that the *Works* covered by this *Approval* will conform to the significant threat policies and designated Great Lakes policies in the *Source Protection Plan* .

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

AND

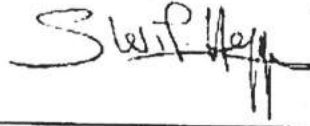
The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-3717 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 5th day of April, 2013

<b>THIS CERTIFICATE WAS MAILED</b>	
ON	Aug 21/13
	AL
	(Signed)



Sherif Hegazy, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

JZ/

- c: District Manager, MOE Halton-Peel District Office
- Steve English, PM Regulatory Compliance, Regional Municipality of Halton (DO-704)
- Ronald Mackenzie, Development Project Manager, Regional Municipality of Halton
- Town Clerk, Town of Oakville (SD590)
- Zhenyong Li, P.Eng., David Schaeffer Engineering Ltd.

SIHP CA C1 230



Ministry of the Environment  
Ministère de l'Environnement

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 8683-96GGKM  
Issue Date: May 27, 2013



Lower Fourth Limited  
2360 Bristol Circle  
Oakville, Ontario  
L6H 6M5

and

Pendent Developments Limited  
2360 Bristol Circle  
Oakville, Ontario  
L6H 6M5

Site Location: Preserve Lands - Phase 1  
Lot 16, 17, 18, Concession 1  
Town of Oakville, Regional Municipality of Halton

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

establishment of stormwater management Works for the collection, treatment and disposal of stormwater run-off from 47.37 hectares of the approximately 54.68 hectare Phase 1 of the Preserve Lands under development by Lower Fourth Limited and Pendent Developments Limited, located west of Sixth Line, east of Munn's Creek and north of Dundas Street in the Town of Oakville, including run-off from 18.86 hectares of adjacent external land, to provide Enhanced Level water quality control and erosion protection, and to attenuate post-development peak flows to targeted outflow rates established in the North Oakville Creeks Subwatershed Study (NOCSS) for stormwater management for all storm events up to and including the 100-year storm event, discharging to Munn's Creek and Lake Ontario, consisting of the following:

**stormwater management facility (SWM Pond 14 - catchment area 66.23 ha)**, located on the north side of Dundas Street, west of Harman Gate - a wet pond with a clay liner and two (2) sediment forebays, having a permanent pool volume of 20,786 m<sup>3</sup>, an extended detention volume of 8,512 m<sup>3</sup>, and a total storage volume of 91,313 m<sup>3</sup>, including the permanent pool volume, at a total depth of approximately 4.95 m, discharging to Munn's Creek on the north side of Dundas Street;

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted supporting documents listed in Schedule "A" forming part of this Approval.

*For the purpose of this environmental compliance approval, the following definitions apply:*

"Approval" means this entire document including the application and any supporting documents listed in any schedules in this Approval;

"Director" means a person appointed by the Minister pursuant to section 5 of the Environmental Protection Act for the purposes of Part II.1 of the Environmental Protection Act;

"District Manager" means the District Manager of the Halton-Peel office of the Ministry;

"Ministry" means the ministry of the government of Ontario responsible for the Environmental Protection Act and the Ontario Water Resources Act and includes all officials, employees or other persons acting on its behalf;

"Owner" means Lower Fourth Limited and Pendent Developments Limited and includes their successors and assignees;

"Water Supervisor" means the Water Supervisor of the Toronto, York-Durham, and Halton-Peel offices of the Ministry;

"Works" means the sewage-works described in the Owner's application(s) and this Approval.

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## TERMS AND CONDITIONS

### 1. GENERAL PROVISIONS

(1) The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the Conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

(2) The designation of the Town of Oakville as the operating authority of the site on the application for approval of the Works does not relieve the Owner from the responsibility of complying with any and all of the Conditions of this Approval.

(3) Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.

(4) Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

(5) Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

(6) The Conditions of this Approval are severable. If any Condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such Condition to other circumstances and the remainder of this Approval shall not be affected thereby.

(7) The issuance of, and compliance with the Conditions of this Approval does not:

(a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the sewage Works; or

(b) limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.

(8) This Approval is for the treatment and disposal of stormwater run-off from 47.37 hectares of Phase 1 of the Preserve Lands under development by Lower Fourth Limited and Pendent Developments Limited, located west of Sixth Line and north of Dundas Street in the Town of Oakville. This Approval is also for the treatment and disposal of stormwater run-off from adjacent external lands of 18.86 hectares draining to the stormwater management facility, for a total drainage area of approximately 66 hectares, assuming an average imperviousness of 65%. Any future development changes within the total drainage area that might increase the required storage volumes or increase the flows to or from the wet pond or any structural/physical changes to the wet pond including inlets or outlets will require an amendment to this Approval.

## 2. EXPIRY OF APPROVAL

This Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.

## 3. CHANGE OF OWNER

(1) The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within **thirty (30) days** of the change occurring:

(a) change of Owner;



(b) change of address of the Owner;

(c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c. B17 shall be included in the notification to the District Manager;

(d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

(2) In the event of any change in ownership of the Works, other than a change in ownership to the municipal, i.e. assumption of the Works, the Owner shall notify the succeeding owner in writing of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.

(3) Notwithstanding any other requirements in this Approval, upon transfer of the ownership of the Works to a municipality, if applicable, any reference to the "District Manager" within the Terms and Conditions of this Approval shall be replaced with "Water Supervisor".

#### 4. OPERATION AND MAINTENANCE

(1) The Owner shall ensure that the design minimum liquid retention volume is maintained at all times.

(2) The Owner shall inspect the Works at least **once a year** and, if necessary, clean and maintain the Works to prevent the excessive build-up of sediments and/or vegetation.

(3) The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the Owner's office for inspection by the Ministry. The logbook shall include the following:

(a) the name of the Works; and

(b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed.

#### 5. MONITORING AND REPORTING

(1) The Owner shall carry out a monitoring program for the inspection and maintenance of the Works as per the recommendations of Section 9 and 10 of the Design Brief for Stormwater Management Pond 14 for Phase 1 of the Preserve Lands forming part of this Approval and the North Oakville Monitoring Program for Stormwater Management Facilities prepared by the Town of Oakville.

(2) The Owner shall copy the District Manager on any and all reports submitted to the Town of Oakville and/or the Halton Region Conservation Authority related to the operation and maintenance of the Works.

### Schedule "A"

1. Application for Environmental Compliance Approval, dated November 13, 2012 and received on February 15, 2013, submitted by David Schaeffer Engineering Ltd.;
2. Stormwater Management Report for Phase 1 of the Preserve Lands to SWM Pond 14, updated May 2013, prepared by J.F. Sabourin and Associates Inc.;
3. Design Brief for Stormwater Management Pond 14 for Phase 1 of Preserve Lands, updated May 2013, prepared by J.F. Sabourin and Associates Inc. and David Schaeffer Engineering Ltd.;
4. Engineering Drawings 3, 4, 5, 6, 27, 28, 29, 30, 79, 80, 83, 84, 85, 86, 86A, and 87, dated May 23, 2013, prepared by David Schaeffer Engineering Ltd.; and
5. Transmittal letter and e-mail from Ryan Kerr of David Schaeffer Engineering Ltd. to the Ministry, dated May 23, 2013.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This Condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that any subsequent Owner of the Works is made aware of the Approval and continues to operate the Works in compliance with it.
4. Condition 4 is included to require that the Works be properly operated and maintained such that the environment is protected.
5. Condition 5 is included to enable the Owner to evaluate and demonstrate the performance of the Works, on a continual basis, so that the Works are properly operated and maintained at a level which is consistent with the design objectives specified in the Approval and that the Works do not cause any impairment to the receiving watercourse.
6. Condition 6 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

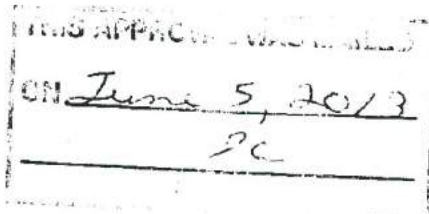
AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-3717 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 27th day of May, 2013



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Edgardo Tovilla  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

DC/

c: District Manager, MOE Halton-Peel ↓  
Zhenyong Li, P. Eng., David Schaeffer Engineering Ltd.

314P OA C/230



RECEIVED  
MAR 16 2012

Ministry of the Environment  
Ministère de l'Environnement

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 2974-8RZSKM ✓  
Issue Date: March 9, 2012

Timsin Holding Corp.  
8600 Dufferin St  
Vaughan, Ontario  
L4K 5P5

MINISTRY OF  
ENVIRONMENT

MAR 16 2012

HALTON PEEL  
DISTRICT OFFICE

Site Location: Woodland Trails, Timsin Subdivision, Phase 1  
Lot 16, Concession 1  
Oakville Town, Regional Municipality of Halton

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

the establishment of stormwater management *Works* to serve the Timsin Phase 1 of the Woodland Trails Community located west of Sixth Line and West Morrison Creek, east of future development, north of Dundas Street and south of West Morrison Creek in the Town of Oakville, to provide erosion control, Enhanced water quality protection and to attenuate post-development peak flows to the allowable release rates established in the North Oakville Creeks Subwatershed Study and Environmental Implementation Report and Functional Servicing Study for Lower West Morrison Creek and the Timsin/Arrassa Lands, discharging to West Morrison Creek, for all storm events up to and including the 100 year return storm and Regional Storm events, consisting of the following:

Stormwater Management Facility

a stormwater management system, for the treatment and disposal of stormwater run-off from a catchment area of 16.47 including 5.72 hectares of external tributaries, relying on an extended detention wet pond (SWM Pond 22) having a permanent pool storage volume of 2,682 m<sup>3</sup>, an extended detention storage volume of 2,832 m<sup>3</sup>, an active storage volume of 8,419 m<sup>3</sup> during the 100 year storm event and an active storage volume of 18,351 m<sup>3</sup> during the Regional Storm event, consisting of the following:

- four (4) inlet structures to the pond consisting of a 1350 mm diameter inlet pipe to the west forebay, a concrete headwall complete with an armour stone apron and a rip-rap pad over filter fabric, a 1200 mm diameter inlet pipe to the east forebay, a concrete headwall complete with an armour stone apron and a rip-rap pad over filter fabric, a 4 m wide overland flow route to the east forebay complete with a clasher-run limestone and turfstone paving and a 4 m wide overland flow route to the wet cell complete with a clasher-run limestone and turfstone paving;

- a 3 m wide access maintenance road to the pond;
- a 42 m long west forebay with a permanent pool of 1.5 m depth, lined with a 1.0 m thick clay liner, complete with a submerged berm set at a 0.3 m below the permanent pool elevation and a 23 m long east forebay with a permanent pool of 1.5 m depth, lined with a 1.0 m thick clay liner, complete with a submerged berm set at a 0.3 m below the permanent pool elevation;
- a wet cell with a permanent pool of 1.5 m depth, lined with a 1.0 m thick clay liner, complete with an outlet control structure consisting of:

- a 300 mm diameter hickenbottom riser and a 300 mm diameter perforated intake pipe surrounded with a clear limestone jacket, connected to a 300 mm diameter reverse slope pipe controlled by a 130 mm diameter vertical orifice plate set at the permanent pool elevation of 168.85 m allowing for a maximum discharge rate of 30 L/s to provide quality and erosion control by detaining the extended detention storage during the 25 mm, 2-hour design storm over duration of 45.82 hours, discharging to a box drop inlet control structure identified below;

- a 1.8 m x 1.5 m pre-cast box drop inlet control structure (receiving flows from the 300 mm diameter pipe identified above), complete with a 0.25 m wide x 0.45 m high rectangular orifice with grate set at an elevation of 169.60 m, allowing for a maximum discharge rate of 305 L/s to provide quantity control up to the 100 year storm event, and 0.38 m wide x 1.0 m high weir with grate set at an elevation of 170.60 m, allowing for a maximum discharge rate of 0.788 L/s to provide quantity control up to the Regional Storm event, discharging via a 975 mm diameter outlet pipe to manhole MH 102 identified below;

- a 300 mm diameter hickenbottom riser and a 300 mm diameter perforated pipe surrounded with a clear limestone jacket, connected to a 300 mm diameter drain pipe complete with a 300 mm gate and valve, discharging to a 1500 mm diameter manhole MH 101 that discharges via 300 mm diameter drain pipe manhole MH 102 identified below;

- a 1800 mm diameter manhole MH 102, receiving flows from the 975 mm and 300 mm diameter pipes identified above, discharging via a 975 mm diameter pipe into a 200 mm/975 mm diameter double siphon pipes, series of connecting manholes and a 1345 mm x 865 mm elliptical pipe that discharges via a concrete headwall complete with an armour stone apron and a 5.0 m wide riverstone pad over filter fabric into West Morrison Creek on the downstream side of Dundas Street;

- a 6 m wide emergency overflow weir with a crest elevation of 172.00 m, discharging to a proposed overland emergency spillway channel that ultimately discharges West Morrison Creek on the downstream side of Dundas Street;

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned *Works* .

For the purpose of this environmental compliance approval, the following definitions apply:

"Approval" means this entire document and any schedules attached to it, and the application;

"Director" means a person appointed by the Minister pursuant to section 5 of the *EPA* for the purposes of Part II.1 of the *EPA*;

"District Manager" means the District Manager of the Halton-Peel District Office of the *Ministry*;

"EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;

"Ministry" means the ministry of the government of Ontario responsible for the *EPA* and *OWRA* and includes all officials, employees or other persons acting on its behalf;

"Owner" means Timsin Holding Corp. and its successors and assignees;

"OWRA" means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;

"Source Protection Plan" means a drinking water source protection plan prepared under the Clean Water Act, 2006; and

"Works" means the sewage works described in the *Owner*'s application, and this *Approval*.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

## TERMS AND CONDITIONS

### 1. GENERAL PROVISIONS

(1) The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

(2) Except as otherwise provided by these conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Approval*, and the application for approval of the *Works*.

(3) Where there is a conflict between a provision of any document in the schedule referred to in this *Approval* and the conditions of this *Approval*, the Conditions in this *Approval* shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.

(4) The Conditions of this *Approval* are severable. If any Condition of this *Approval*, or the application of any requirement of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this *Approval* shall not be affected thereby.

(5) The *Owner* shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, setting and operations of the works do not constitute a safety or health hazard to the general public.

(6) The issuance of and compliance with the Conditions of this *Approval* does not:

(a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the sewage *Works*; or

(b) limit in any way the authority of the *Ministry* to require certain steps be taken to require the *Owner* to furnish any further information related to compliance with this *Approval*.

## 2. EXPIRY OF APPROVAL

This *Approval* will cease to apply to those parts of the *Works* which have not been constructed within five (5) years of the date of this *Approval*.

## 3. CHANGE OF OWNER

The *Owner* shall notify the *District Manager* and the *Director*, in writing, of any of the following changes within thirty (30) days of the change occurring:

(a) change of *Owner*;

(b) change of address of the *Owner*;

(c) change of partners where the *Owner* is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the *District Manager*; and

(d) change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the *District Manager*.



4. OPERATION AND MAINTENANCE.

(1) The *Owner* shall ensure that the design minimum liquid retention volume(s) is maintained at all times.

(2) The *Owner* shall inspect the *Works* at least once a year and, if necessary, clean and maintain the *Works* to prevent the excessive buildup of sediments and/or vegetation.

(3) The *Owner* shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at a readily accessible location for inspection by the *Ministry*. The logbook shall include the following:

- (a) the name of the *Works*; and
- (b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed.

5. RECORD KEEPING

The *Owner* shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this *Approval*.

6. SOURCE WATER PROTECTION

The *Owner* shall, within sixty (60) calendar days of the Minister of the Environment posting approval of a *Source Protection Plan* on the environmental registry established under the Environmental Bill of Rights, 1993 for the area in which this *Approval* is applicable, apply to the *Director* for an amendment to this *Approval* that includes the necessary measures to conform with all applicable policies in the approved *Source Protection Plan*.

## **SCHEDULE A**

1. Application for Approval of Sewage Works submitted by Timsin Holding Corp., dated December 20, 2011;
2. Design Brief for Stormwater Management Pond 22 for Timsin Phase 1 of the Woodland Trails Community and enclosed design drawings dated February 2011 and revised March 2012, prepared by David Schaeffer Engineering Limited.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is imposed to ensure that the *Works* are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the *Approval* and the practice that the *Approval* is based on the most current document, if several conflicting documents are submitted for review.
2. Condition 2 is included to ensure that, when the *Works* are constructed, the *Works* will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the *Ministry* records are kept accurate and current with respect to approved *Works* and to ensure that subsequent owners of the works are made aware of the *Approval* and continue to operate the works in compliance with it.
4. Condition 4 is included to require that the *Works* be properly operated and maintained such that the environment is protected .
5. Condition 5 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the *Works*.
6. Condition 6 is included to ensure that the works covered by this *Approval* will conform to the significant threat policies and designated Great Lakes policies in the *Source Protection Plan*.

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

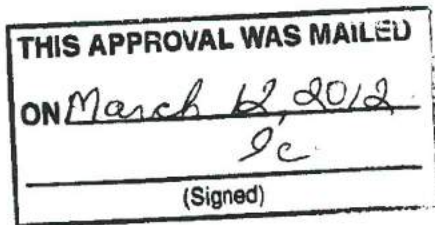
AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 9th day of March, 2012



Ian Parrott, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

AM/

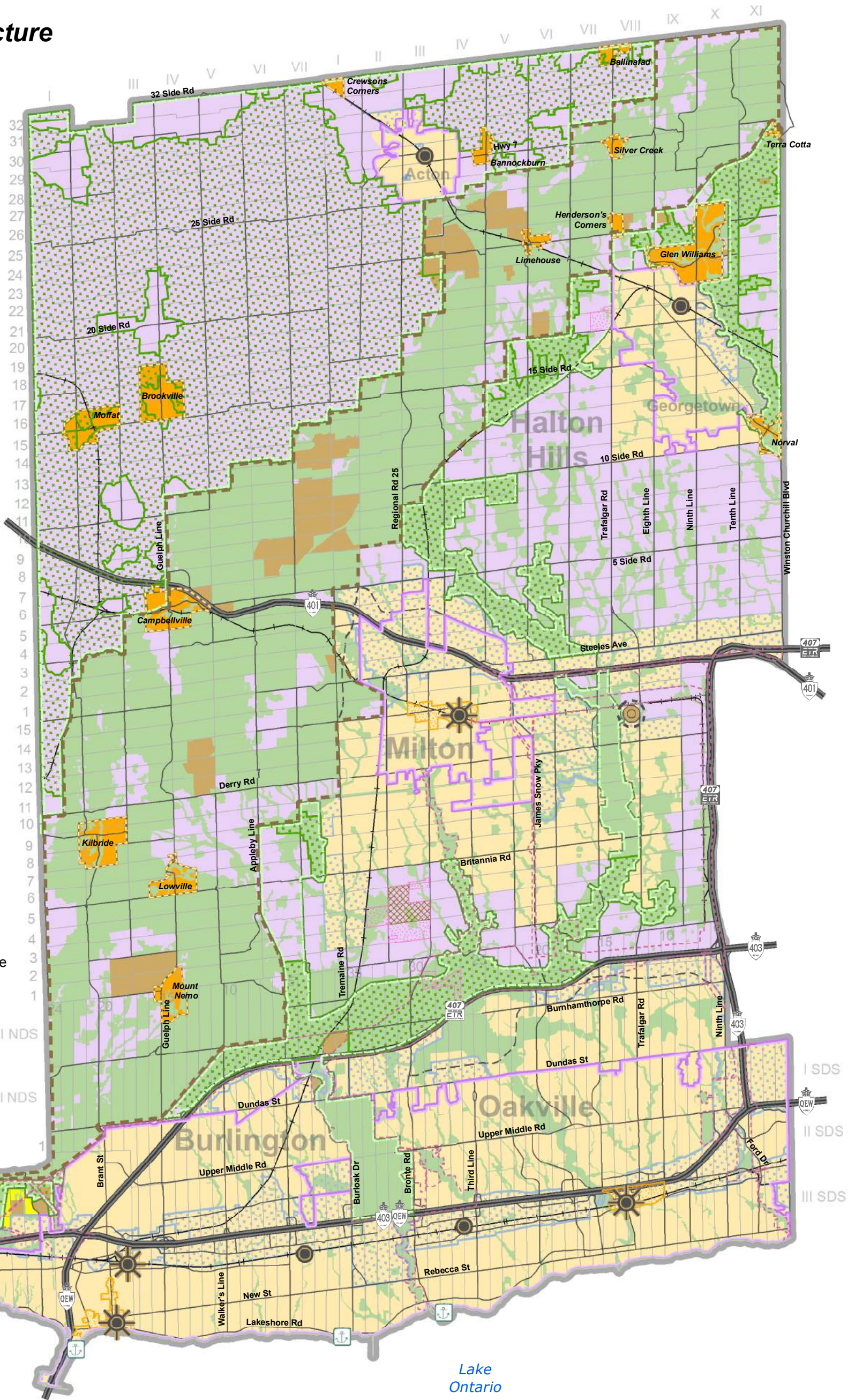
c: District Manager, MOE Halton-Peel ✓  
Zhenyong Li, David Schaeffer Engineering Limited



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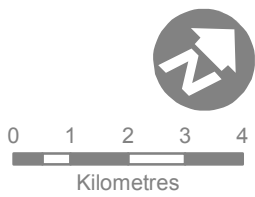
# Appendix E

# Map 1 Regional Structure



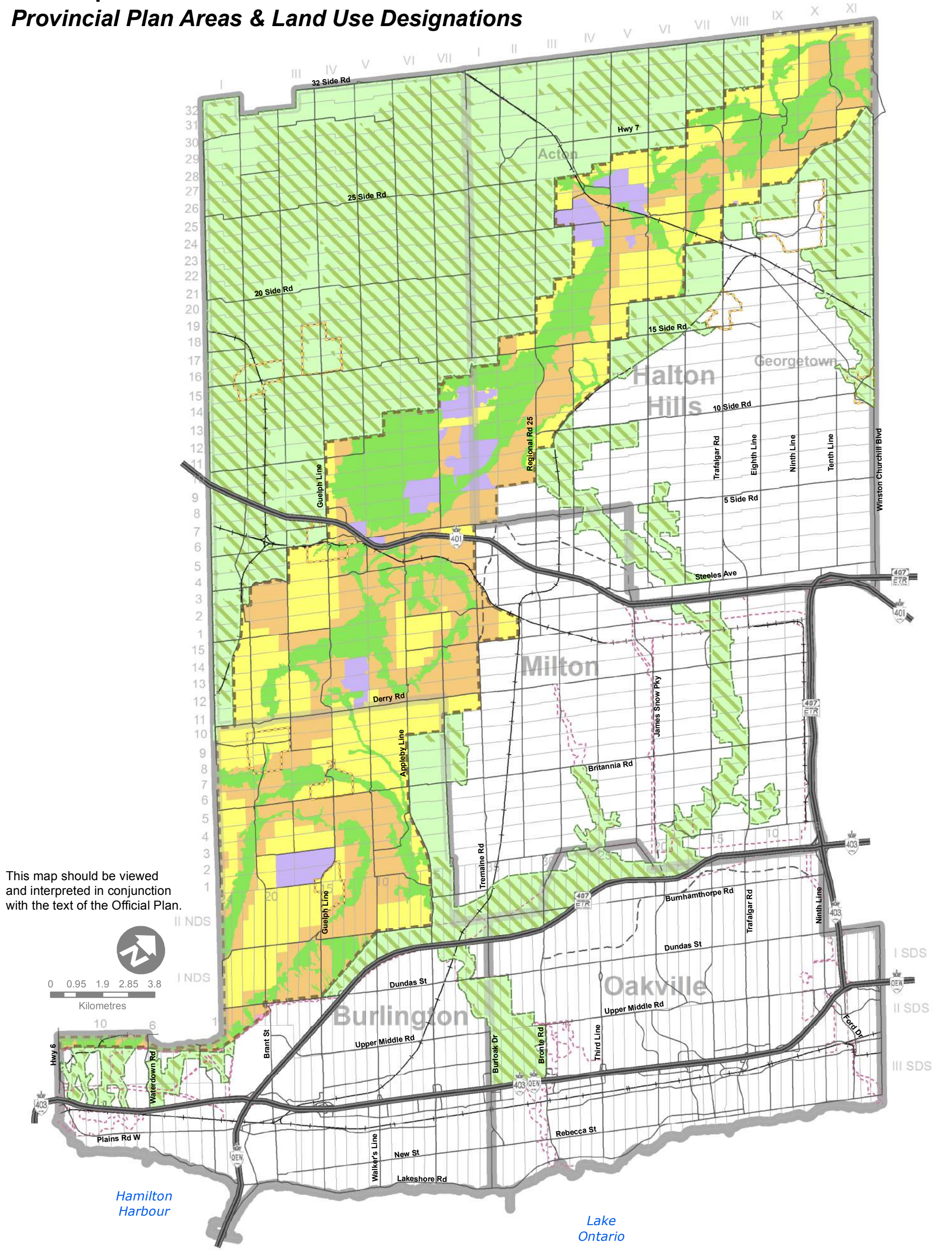
This map should be viewed and interpreted in conjunction with the text of the Official Plan.

\* The Boundaries of the Regional Natural Heritage System may have been refined in accordance with Section 116.1.



- Waterfront Park (See Map 2)
- Major Transit Station
- Proposed Major Transit Station
- Mobility Hub
- Rail Line
- Proposed Major Arterial
- Major Road
- Provincial Freeway
- Lot and Concession Line
- Municipal Boundary
- Urban Area
- Hamlet
- Agricultural Area
- Regional Natural Heritage System \*
- Mineral Resource Extraction Area
- North Aldershot Policy Area
- Greenbelt Natural Heritage System (Overlay)
- Greenbelt Plan Protected Countryside Boundary
- Niagara Escarpment Plan Boundary
- Parkway Belt West Plan Boundary
- Built Boundary
- Employment Area
- Urban Growth Centre
- Area Eligible for Urban Servicing
- Halton Waste Management Site

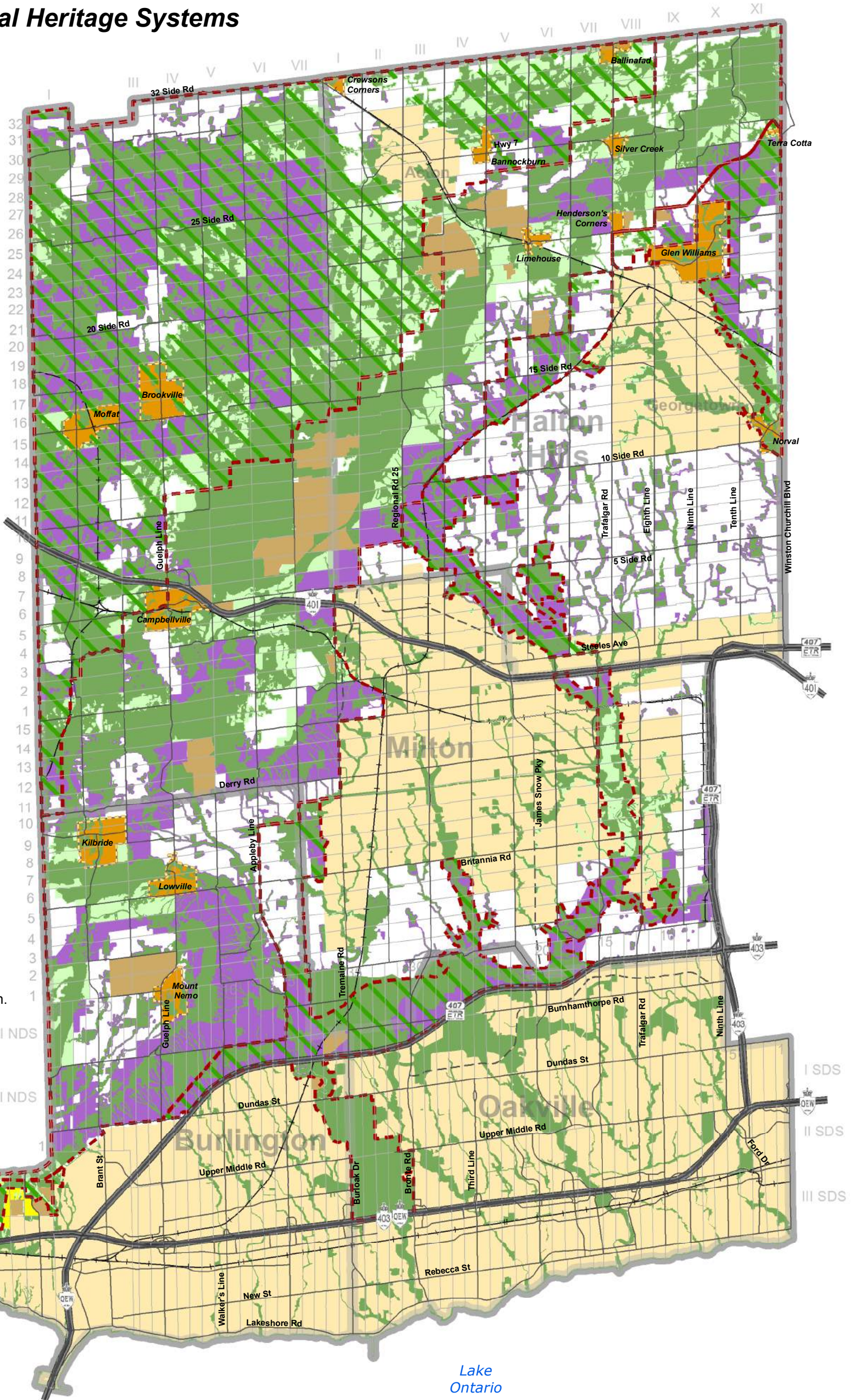
# Map 1A Provincial Plan Areas & Land Use Designations



This map should be viewed and interpreted in conjunction with the text of the Official Plan.

- +— Rail Line
- - - Proposed Major Arterial
- Major Road
- Provincial Freeway
- Lot and Concession Line
- Municipal Boundary
- Parkway Belt West Plan Area
- Greenbelt Plan Protected Countryside Area
- ▨ Natural Heritage System (Greenbelt Plan)
- Niagara Escarpment Plan Area
- Hamlet Boundary
- Escarpment Natural Area
- Escarpment Protection Area
- Escarpment Rural Area
- Escarpment Mineral Resource Extraction Area

# Map 1G Key Features within the Greenbelt and Regional Natural Heritage Systems



This map should be viewed and interpreted in conjunction with the text of the Official Plan.



0 0.95 1.9 2.85 3.8  
Kilometres

- +— Rail Line
- - - Proposed Major Arterial
- Major Road
- Provincial Freeway
- Lot and Concession Line
- Municipal Boundary
- - - Greenbelt Plan Boundary
- Urban Area
- Hamlet
- Key Features
- Enhancement Areas, Linkages and Buffers
- Prime Agricultural Areas in NHS Enhancements/Linkages/Buffers
- Greenbelt NHS
- Mineral Resource Extraction Area
- North Aldershot Policy Area





**Legend**

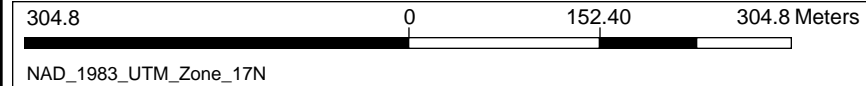
- Livable Oakville Part E Excepi
- Livable Oakville Urban River V

**North Oakville and Use**

- General Urban Area
- Sub Urban Area
- Neighbourhood Centre Area
- Trafalgar Road Urban Core Area
- Dundas Street Urban Core Area
- Neyagawa Blvd. Urban Core Area
- Palermo Village North Urban Core
- High Density Residential Area
- Transitional Area
- Community Park Area
- Neighbourhood Park Area
- Village Square / Urban Square
- Cemetery Area
- Natural Heritage System Area
- Stormwater Management Facility
- Joshua Creek Floodplain Area
- Institutional Area
- Elementary School Site
- Secondary School Site
- Employment Area
- Transitway

**Livable Oakville L3**

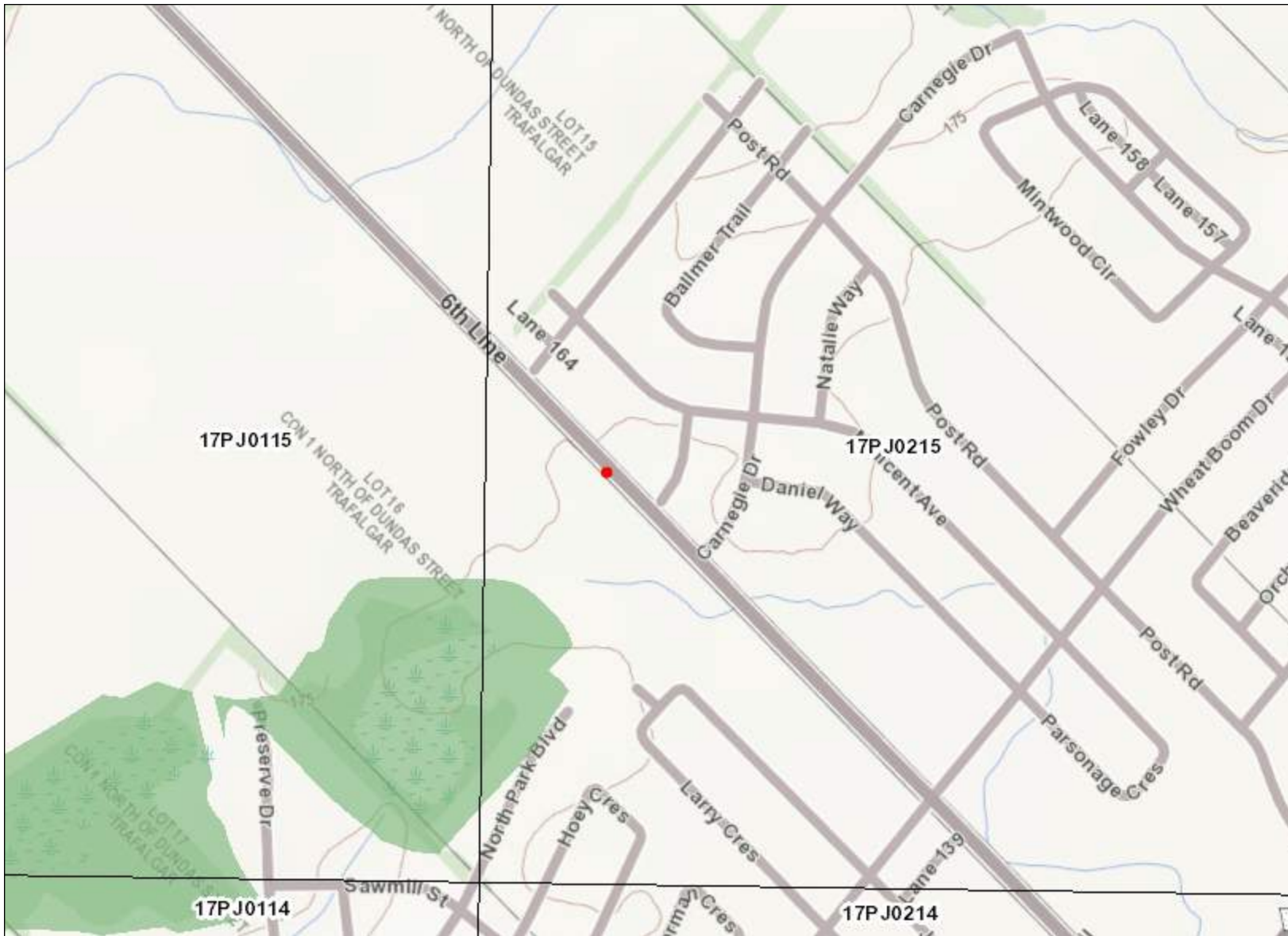
- LOW DENSITY RESIDENTIAL
- LOW DENSITY RESIDENTIAL - P/
- LOW DENSITY RESIDENTIAL - SF
- MEDIUM DENSITY RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- NEIGHBOURHOOD COMMERCIA
- COMMUNITY COMMERCIAL
- BUSINESS COMMERCIAL
- CORE COMMERCIAL
- CENTRAL BUSINESS DISTRICT
- OFFICE EMPLOYMENT
- BUSINESS EMPLOYMENT
- INDUSTRIAL



Disclaimer: THIS IS NOT A LEGAL PLAN OF SURVEY.  
August 8, 2019

Scale:  
1: 6,000

Town of Oakville



**Legend**

- Assessment Parcel
- Woodland
- Conservation Reserve
- Provincial Park
- Natural Heritage System
- Ecoregion
- Wetland**
  - Provincially Significant Wetland Evaluated
  - Non - Provincially Significant Wetland Evaluated
  - Unvaluated Wetland
- Area of Natural Heritage & Scientific Interest (ANSI)**
  - Provincially Significant Life Science ANSI
  - Provincially Significant Earth Science ANSI
- Greenbelt Plan**
  - Boundary
  - River Valley Connections
- Land Use Designations**
  - Protected Countryside
  - Towns and Villages
  - Hamlets
  - Urban River Valley
  - Specialty Crop Area
- Niagara Escarpment Plan (NEP)**
  - Boundary
  - Parks and Open Space System
- Land Use Designations**
  - Escarpment Natural Area
  - Escarpment Protection Area
  - Escarpment Rural Area
  - Mineral Resource Extraction Area
  - Escarpment Recreation Area
  - Urban Area
  - Minor Urban Centre
- Oak Ridges Moraine Conservation Plan (ORM)**
  - Boundary
  - Natural Core Area
  - Natural Linkage Area
  - Countryside Area
  - Rural Settlement
  - Palgrave Estates Residential Community
  - Settlement Area



Scale: 1 : 9,027

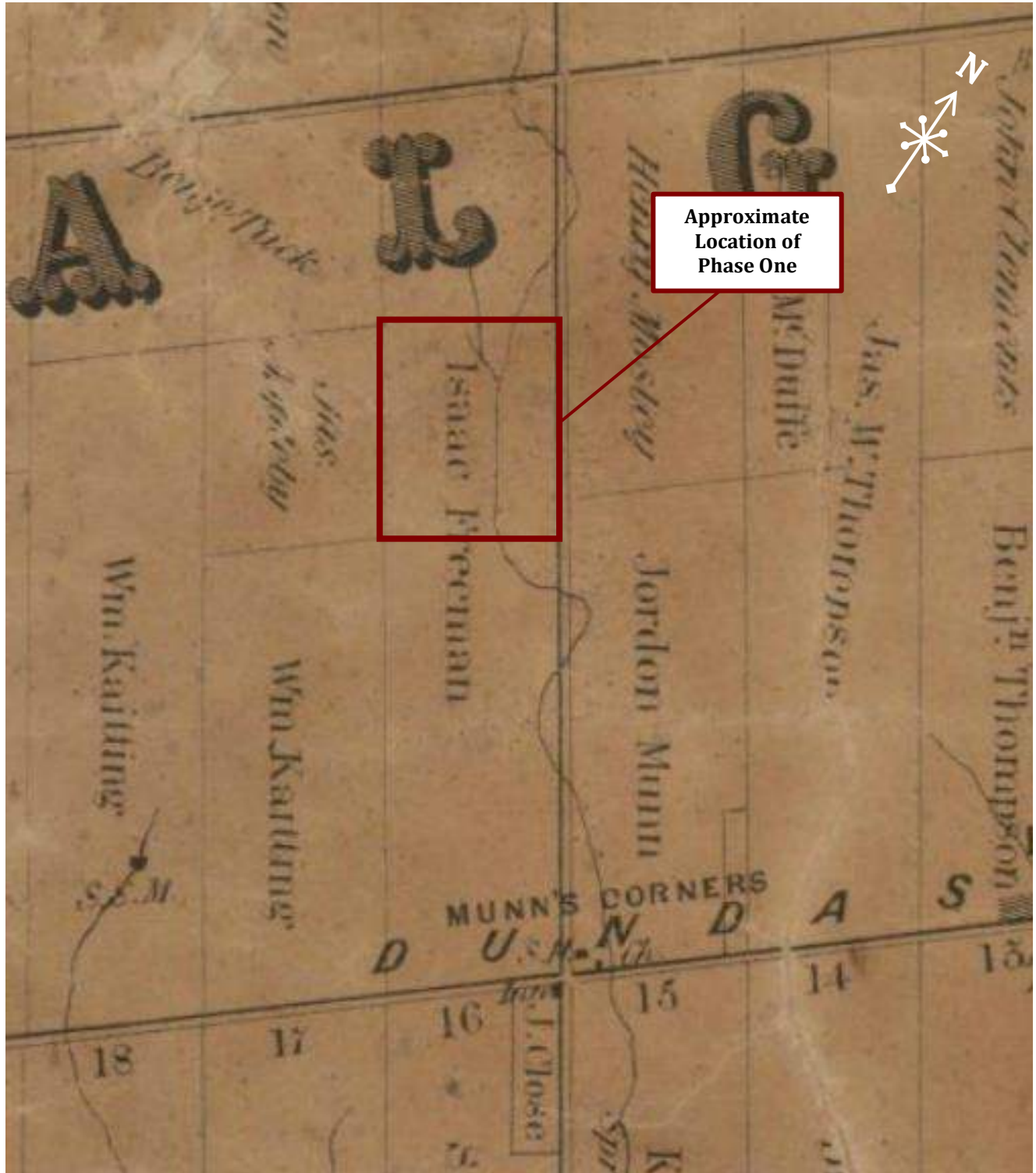


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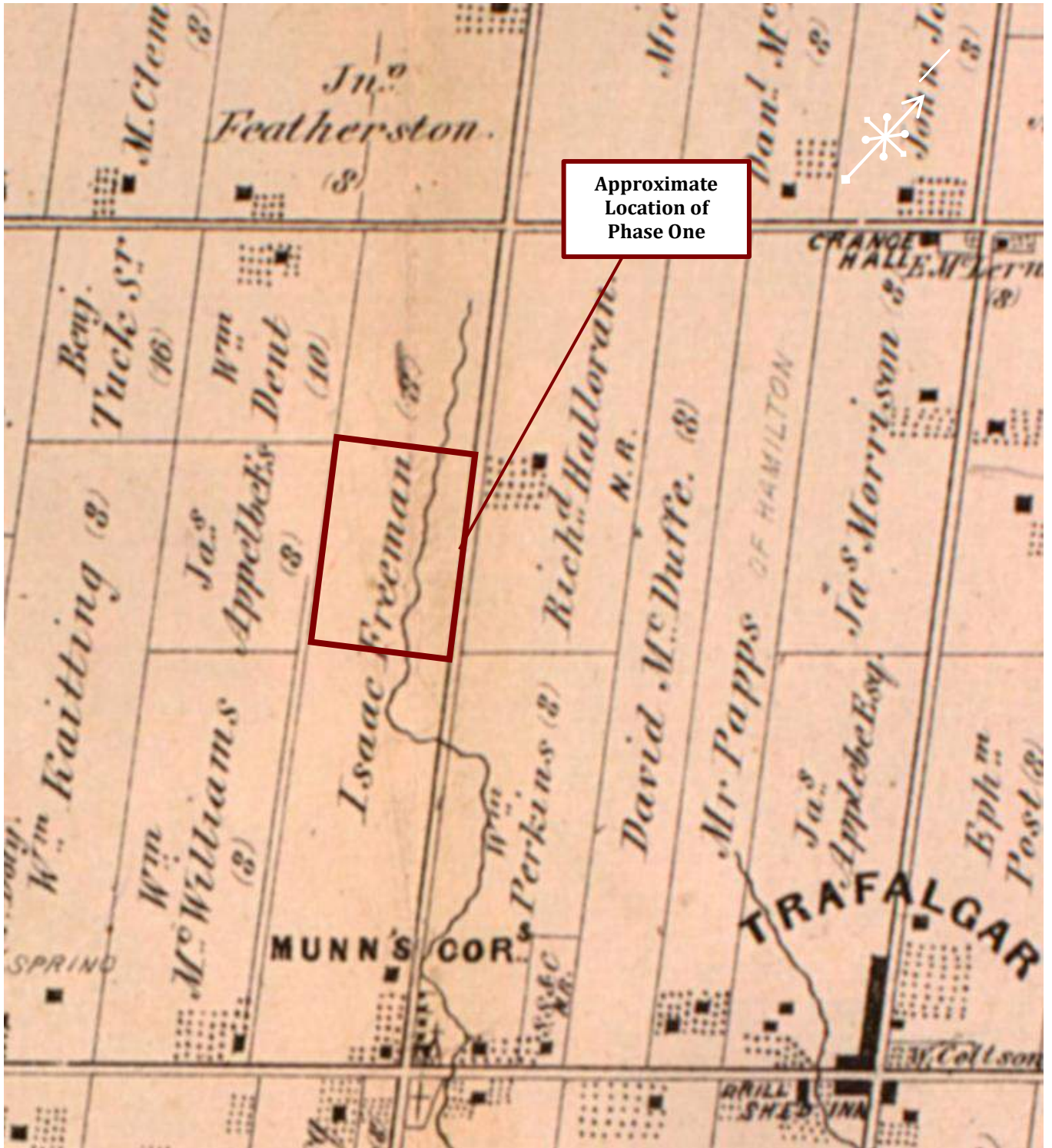
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 6221 Highway 7 Vaughan, ON L4H 0K8 T: 905-264-9393 F: 905-264-2685	<b>HALTON COUNTY MAP: 1858</b>		
	Scale: NTS	<b>PHASE ONE ENVIRONMENTAL SITE ASSESSMENT</b> <b>3270 Sixth Line, Oakville, Ontario</b>	Prepared By: AK
	Date: Sep-19		Reviewed By: RF
	Project: 17-508-100	Prepared For: Argo Development Corporation	Drawing No. <b>D-1</b>



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## HALTON COUNTY ATLAS: 1880



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 NTS

Date:  
 Sep-19

Project:  
 17-508-100

**PHASE ONE ENVIRONMENTAL SITE  
 ASSESSMENT**

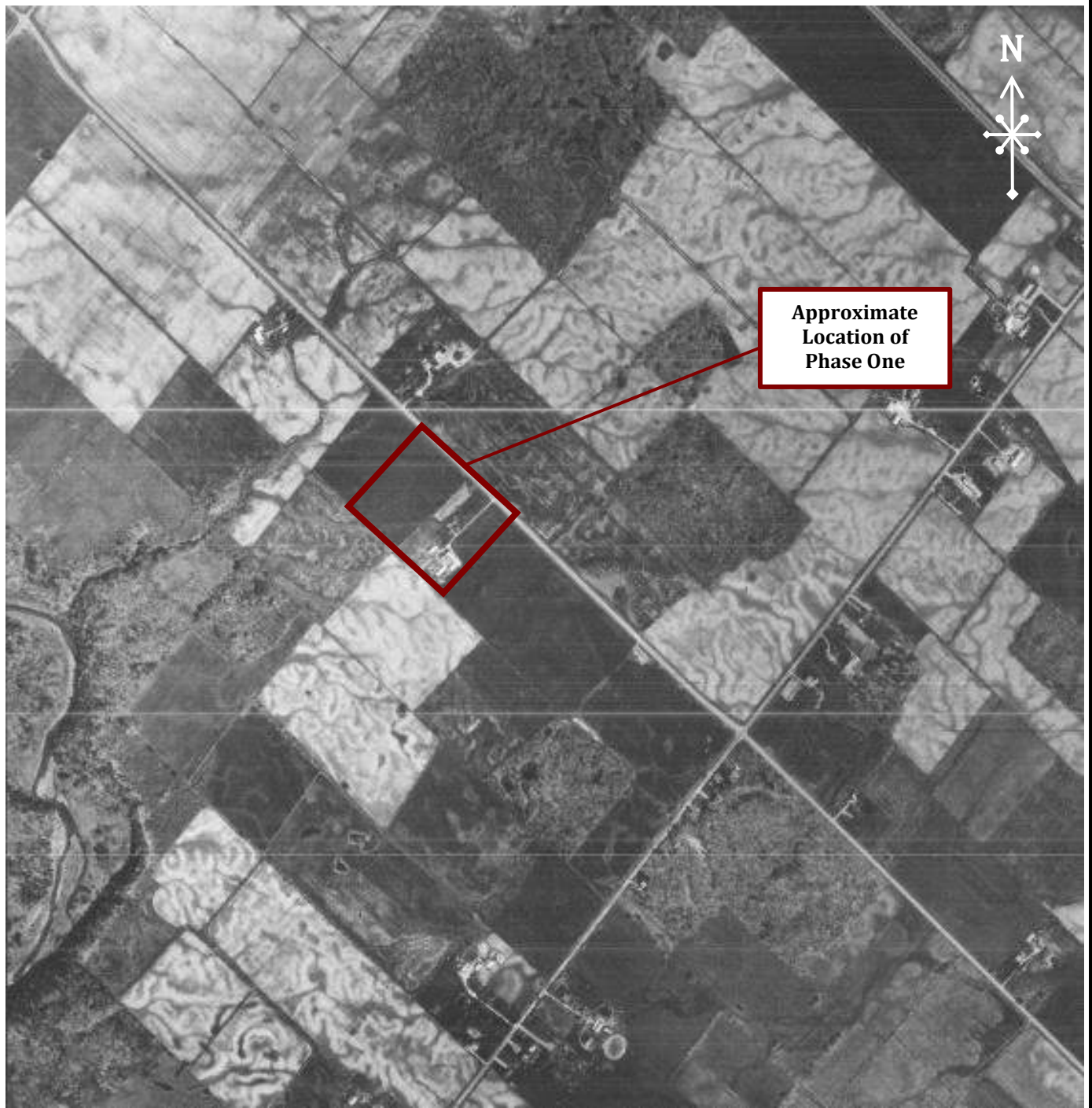
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Prepared For: Argo Development Corporation

Prepared By:  
 AK

Reviewed By:  
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Drawing No.  
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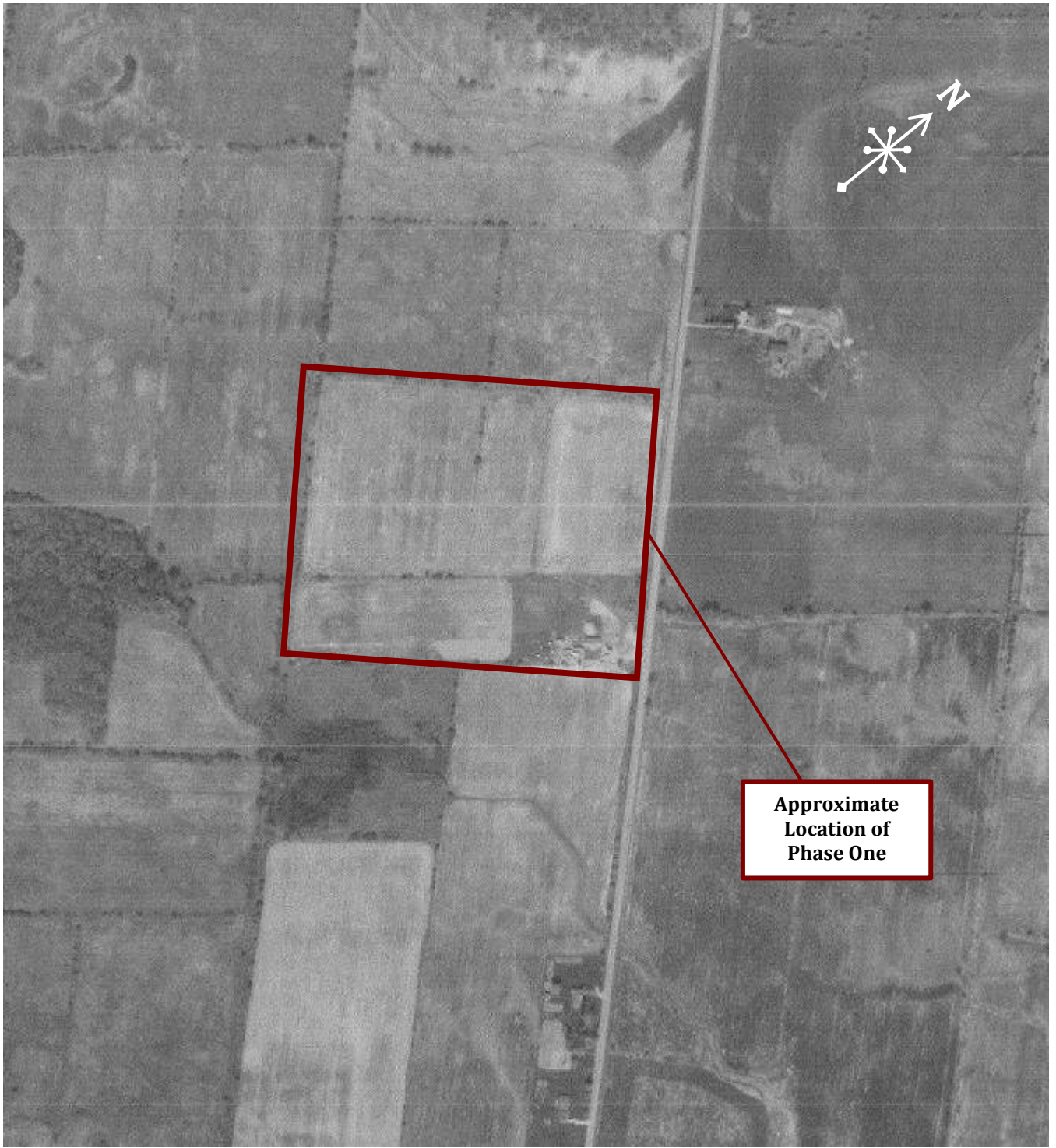
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### AERIAL PHOTOGRAPH: 1979

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Project: 17-508-100	Prepared For: Argo Development Corporation	Drawing No. <b>D-3</b>



**Approximate  
Location of  
Phase One**

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**AERIAL PHOTOGRAPH: 1987**

Scale:  
~1:6000

Date:  
Sep-19

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17-508-100

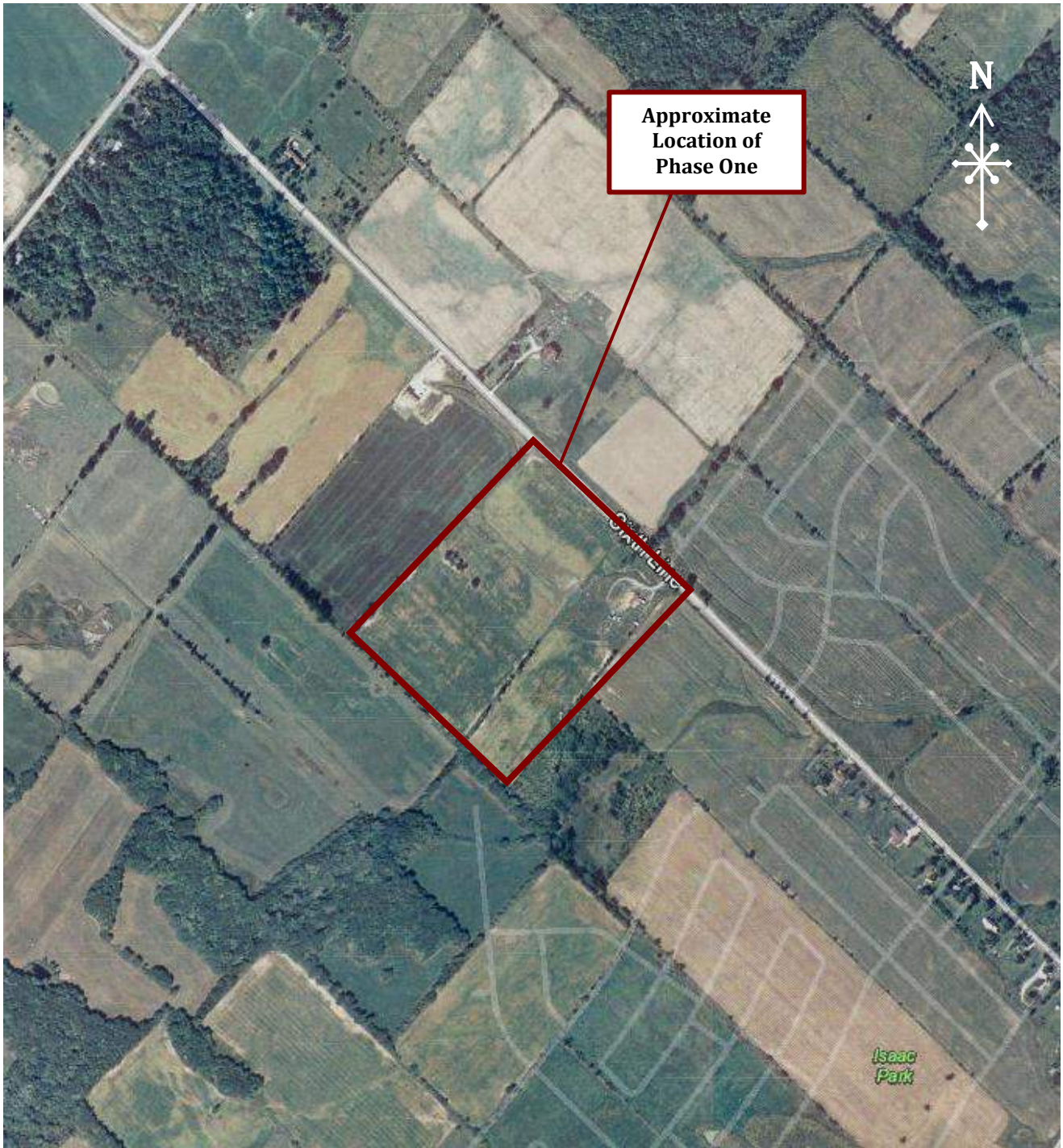
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## AERIAL PHOTOGRAPH: 1995

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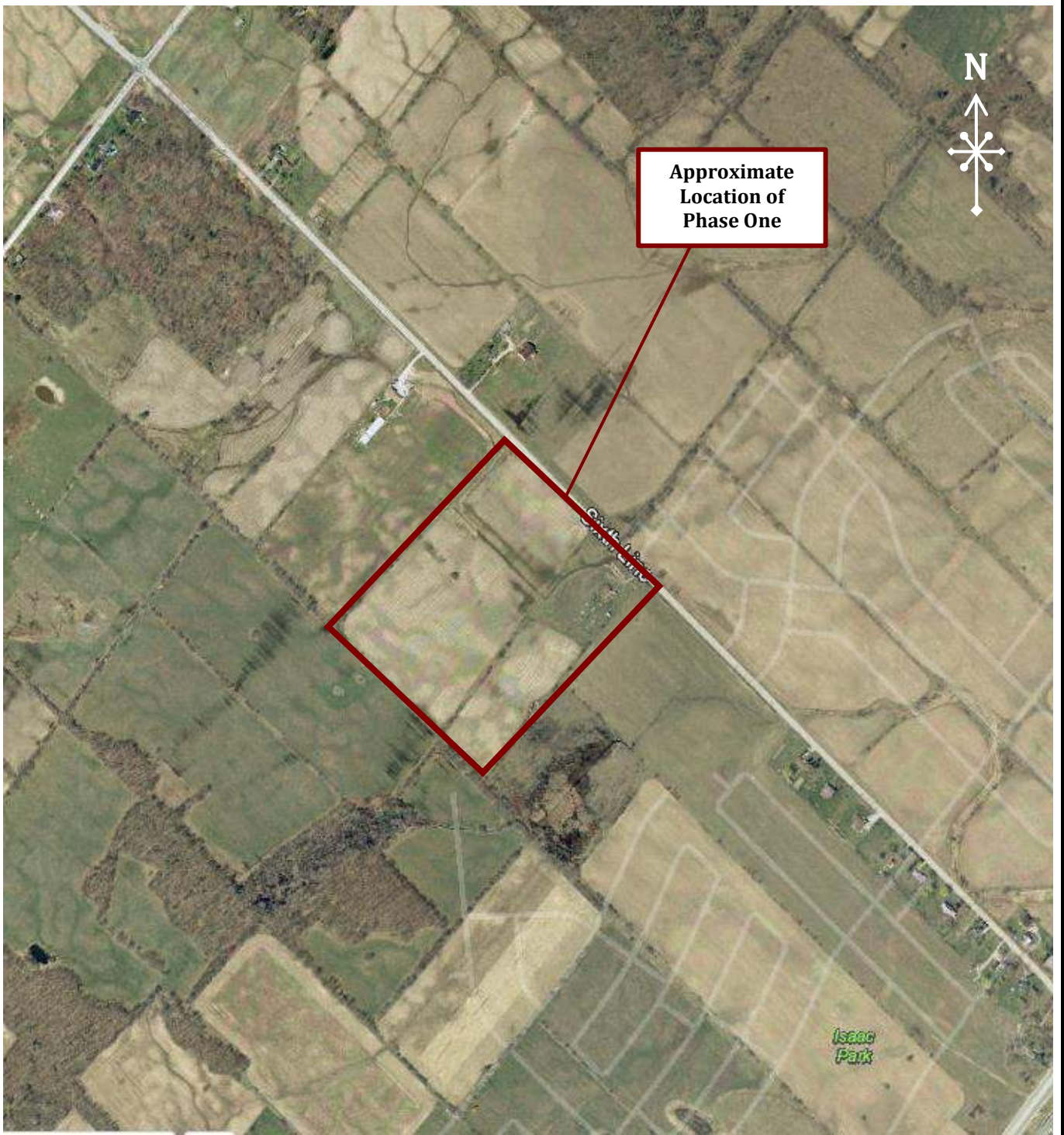
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Prepared By:  
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Reviewed By:  
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### AERIAL PHOTOGRAPH: 1999

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**PHASE ONE ENVIRONMENTAL SITE  
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**3270 Sixth Line, Oakville, Ontario**

Prepared For: Argo Development Corporation

Prepared By:  
 AK

Reviewed By:  
 RF

Drawing No.  
**D-6**





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## AERIAL PHOTOGRAPH: 2002



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**PHASE ONE ENVIRONMENTAL SITE  
ASSESSMENT**

**3270 Sixth Line, Oakville, Ontario**

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Prepared By:  
AK

Reviewed By:  
RF

Drawing No.  
**D-7**



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**SATELLITE IMAGE: 2004**



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Project:  
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**PHASE ONE ENVIRONMENTAL SITE  
 ASSESSMENT  
 3270 Sixth Line, Oakville, Ontario**

Prepared For: Argo Development Corporation

Prepared By:  
 AK

Reviewed By:  
 RF

Drawing No.  
**D-8**



**Approximate  
Location of  
Phase One**

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### SATELLITE IMAGE: 2006

Scale:  
~1:9000

Date:  
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Project:  
17-508-100

**PHASE ONE ENVIRONMENTAL SITE  
ASSESSMENT**  
**3270 Sixth Line, Oakville, Ontario**

Prepared For: Argo Development Corporation

Prepared By:  
AK

Reviewed By:  
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**SATELLITE IMAGE: 2013**

Scale:  
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Prepared By: AK  
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### SATELLITE IMAGE: 2017

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Date: Sep-19		Reviewed By: RF
Project: 17-508-100	Prepared For: Argo Development Corporation	Drawing No. <b>D-8</b>



---

# Appendix F



**Picture 1: View of fill material on Phase One Property, facing east.**



**Picture 2: View of the Phase One Property, facing north.**



**Picture 3: View of the fill material present on the property, facing northwest.**



**Picture 4: View of the north adjacent property.**



**Picture 5: View of the south adjacent property, facing southwest.**



**Picture 6: View of the east adjacent property, facing east.**



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# 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)

**24929-0058 (LT)**

<b>Year</b>	<b>Name of Owner</b>	<b>Description of Property Use</b>	<b>Property Use<sup>1</sup></b>	<b>Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.</b>
Prior 1808	Crown	Agricultural	Agricultural and other uses	Non observed.
Form November 25, 1808 to July 7, 1823	William Freeman	Agricultural	Agricultural and other uses	Non observed.
From July 7, 1823 to May 14, 1886	Iasaac Freeman	Agricultural	Agricultural and other uses	Non observed.
From May 14, 1886 to February 28, 1888	Clarkson Freeman	Agricultural	Agricultural and other uses	Non observed.
From February 28, 1888 to March 5, 1894	James Cavanagh	Agricultural	Agricultural and other uses	Non observed.
Form March 5, 1894 to April 4, 1916	George Long	Agricultural	Agricultural and other uses	Non observed.
From April 4, 1916 to March 17, 1936	George Edward Lone	Agricultural	Agricultural and other uses	Non observed.
From March 17, 1936 to December 21, 1966	Lorne Willfred Fish	Agricultural	Agricultural and other uses	Non observed.
From December 21, 1966 to September 7, 1967	Antonio Gallo	Agricultural	Agricultural and other uses	Non observed.
From September 7, 1967 to November 1, 1967	Jack Jewitt	Agricultural	Agricultural and other uses	Non observed.
From November 1, 1967 to September 27, 1968	Dragutin Bukovcan	Agricultural	Agricultural and other uses	Non observed.
Form September 27, 1968 to October 15, 1968	Lasurete Investments Limited & Hillite Holdings Limited	Agricultural	Agricultural and other uses	Non observed.
From October 15, 1968 to May 9, 2016	Emillia Marchetti & Anthony Deminico	Agricultural	Agricultural	Southern portion (Part 1 Plan 20R-13203) was leased to Rogers Cantel for erecting a communication Tower in 1999 the lease was cancelled in 2005

Year	Name of Owner	Description of Property Use	Property Use <sup>1</sup>	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
From May 9, 2016 to February 7, 2017	Emilia Marchetti, Anne Marie Angela Olga Marchetti, Catherine Alexander Marchetti, Paul Joseph Marchetti	Agricultural	Agricultural	Non observed.
Since February 7, 2017	Anne Marie Angela Olga Marchetti, Catherine Alexandra Marchetti, Paul Joseph Marchetti, Anthony Deminica	Agricultural	Agricultural	Non observed.

*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 français, veuillez communiquer avec le ministère matière de changement climatique de l'Environnement et de l'Action en au 1-800-461-629***

**24929-0058 (LT)**

Year	Owner
Prior 1808	Crown
25/11/1808	William Freeman
07/07 1823	Isaac Freeman
14/05/1886	Clarkson Freeman
28/02/1888	James Cavanagh
05/03/1894	George Long
04/04/1916	George Edward Lone
17/03/1936	Lorne Willfred Fish
021/12/1966	Antonio Gallo
0709/1967	Jack Jewitt
01/11/1967	Dragutin Bukovcan
27/09/1968	Lasurete Investments Limited & Hillite Holdings Limited

15/10/1968	Emillia Marchetti & Anthony Deminico
09/05/2016	Emillia Marchetti, Anne Marie Angela Olga Marchetti, Catherine Alexander Marchetti, Paul Joseph Marchetti
07/02/2017	Anne Marie Angela Olga Marchetti, Catherine Alexandra Marchetti, Paul Joseph Marchetti, Anthony Deminica