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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

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Project No. FE-P 20-10692

November 27, 2020

FISHER ENVIRONMENTAL LTD.

Issued to:	Mr. Navinder Singh Lal
Contact:	14695 Dixie Road, Caledon, Ontario L7C 2M9
Project Name:	Phase One Environmental Site Assessment
Project Address:	12507 Old Kennedy Road, Caledon, Ontario
Project Number:	FE-P 20-10692
Issued on:	November 27, 2020

Project Manager:
(Primary Contact)

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Reviewer:

LICENSED PROFESSIONAL ENGINEER
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PROVINCE OF ONTARIO

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GLOSSARY OF ACRONYMS

ACM:	Asbestos-Containing Material
asl:	Above Sea Level
AST:	Aboveground Storage Tank
bgs:	Below Ground Surface
BTEX:	Benzene, Toluene, Ethylbenzene and Xylenes
CPC:	Contaminant of Potential Concern
CSA:	Canadian Standards Association
EC:	Electrical Conductivity
EPA:	Environmental Protection Act
ESA:	Environmental Site Assessment
FIP:	Fire Insurance Plan
MNRF:	Ministry of Natural Resources and Forestry
MOE:	Ministry of the Environment
MECP:	Ministry of the Environment, Conservation and Parks
MOL:	Ministry of Labour
ODSs:	Ozone Depleting Substances
OHSA:	Occupational Health and Safety Act
Phase One ESA:	Phase One Environmental Site Assessment
Phase Two ESA:	Phase Two Environmental Site Assessment
PAHs:	Polycyclic Aromatic (Polyaromatic) Hydrocarbons
PCA:	Potentially Contaminating Activity
PCBs:	Polychlorinated Biphenyls
pH:	potential of Hydrogen
PHC (F1-F4):	Petroleum Hydrocarbons (Fractions 1 to 4)
ppm:	Parts Per Million
RSC:	Record of Site Condition
SAR:	Sodium Adsorption Ratio
TSSA:	Technical Standards and Safety Authority
UFFI:	Urea Formaldehyde Foam Insulation
UST:	Underground Storage Tank
VOCs:	Volatile Organic Compounds

1. EXECUTIVE SUMMARY

Fisher Environmental Ltd. was retained by Mr. Navinder Singh Lal to conduct a Phase One Environmental Site Assessment (Phase One ESA) of the property located at 12507 Old Kennedy Road, Caledon, Ontario, herein referred to as the "Site" or "phase one property". The Phase One ESA was conducted in support of a due diligence investigation and filing a site plan approval application for future residential development.

The scope of work included records review, interviews, site reconnaissance, review and evaluation of information collected, preparation of tables with Current and Past Uses of the phase one property and Areas of Potential Environmental Concern (APECs), a Conceptual Site Model (CSM), preparation of a written report with conclusions and recommendations, and submission of the report to Mr. Navinder Singh Lal.

Records Review

The applicable search distance for the phase one study area records review included the phase one property, properties located, wholly or partly, within 250 m from the nearest point on a boundary of the Site, and other neighboring properties where activities considered being Potentially Contaminating Activities (PCAs) were apparent or anticipated.

The earliest aerial photograph obtained dated 1954 indicated that the phase one property was undeveloped/agricultural land. From at least 1969 to present, the phase one property has been developed with the current residential single family house.

Local topography on the Site is relatively flat, with the surrounding portions generally sloping towards southwest. A review of the Ministry of the Environment, Conservation and Parks (MECP) Well Records available for the phase one study area indicated that the local stratigraphy generally consists of fill material or topsoil extending to about 4.27 m bgs, overlying native silt to about 6.10 m below ground surface (bgs), clay to about 28.04 m bgs, and sand to about 29.26 m bgs, underlain by shale extending from 29.26 m to approximately 42.06 m bgs. Etobicoke Creek is located approximately 170 m southwest of the phase one property, and the inferred local groundwater flow direction is towards southwest.

Site Reconnaissance/Interviews

The phase one property is approximately rectangular in shape and consists of a two-storey single family house near the central-northern portion of the Site during our inspection on November 4, 2020. The surface of the property is predominantly covered with gravel with an asphalt paved driveway, landscaping and occasional overgrown vegetation. A frame shed is located east of the house. A frame garage is located near the central-eastern portion of the Site.

According to Mr. Kamal Singh Lal, representing the current property owner, the Site has always been used for residential purposes and no Site operating records were available for review.

No current operations, representing PCAs at the phase one property and remaining phase one study area, were identified at the time of the site reconnaissance.

Based on the age of the single family house and site observations, potential presence of designated substances and other special attention items, including asbestos-containing materials (ACMs), polychlorinated biphenyls (PCBs), lead and ozone depleting substances (ODSs), was identified inside the building.

Conclusions and Recommendations

The records review, interviews and site reconnaissance conducted as part of the present Phase One ESA have identified no PCAs within the phase one study area that may contribute to APECs on the phase one property.

Considering the findings of the current Phase One ESA, it is concluded that a Phase Two Environmental Site Assessment (Phase One ESA) is not required for the phase one property, and no further investigation is required.

The potential presence of designated substances and other special attention items inside the single family house is not considered of concern provided they are properly managed and disposed or are not disturbed. However, a designated substance survey (DSS) should be conducted at the Site prior to any demolition or significant renovation of the building.

2. INTRODUCTION

Fisher Environmental Ltd. (Fisher) conducted a Phase One Environmental Site Assessment (Phase One ESA) of the property located at 12507 Old Kennedy Road, Caledon, Ontario, herein referred to as the "Site" or "phase one property". Mr. Bernard Chan of Fisher conducted the Site Reconnaissance on November 4, 2020.

Fisher received authorization to carry out the Phase One ESA from Navinder Singh Lal, the current owner of the subject property, whose address is 12695 Dixie Road, Caledon, Ontario, L7C 2M9, and can be contacted at 416-500-5703 and navinder_lal@hotmail.com.

2.1. Phase One Property Information

2.1.1. Site Location

The phase one property is located on the east side of Old Kennedy Road, approximately 135 m north of the intersection of Old Kennedy Road and Larson Peak Road. NAD 83 Datum for the centroid of the property is 17-59443-4845170. The Site is bounded by townhouses along Waterville Way to the north, single family residences along Stellar Avenue to the east, single family residences followed by Larson Peak Road to the south, and Old Kennedy Road followed by a residential dwelling to the west. The Site has an area of approximately 0.20 hectares. For purposes of discussion, Old Kennedy Road is referenced to run north-south and Larson Peak Road is referenced to run east-west. Please refer to Appendix A for the Site Location Map.

2.1.2. Legal Description

The Site is legally described as *PT LT 20 CON 2 EHS CHINGUACOUSY AS IN RO1143343; CALEDON*, with the PIN 14235-0639 (LT). Please refer to Appendix A for the Legal Survey drawing and land title search report.

3. SCOPE OF INVESTIGATION

7.1. Objectives

The Phase One ESA was conducted for Mr. Navinder Singh Lal in support of a due diligence investigation and filing a site plan approval application for future residential development.

The purpose of the Phase One ESA was 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, and to determine the need and provide the basis for carrying out any Phase Two Environmental Site Assessment (Phase Two ESA).

7.2. Regulatory Framework

The roles and powers of the Ministry of the Environment, Conservation and Parks (MECP) when dealing with contaminated sites are outlined primarily in the Environmental Protection Act (EPA) (R.S.O 1990). The MECP has a mandate to address conditions where there is an adverse effect, or the likelihood of an adverse effect, associated with the presence or discharge of a contaminant.

The Phase One ESA was conducted in accordance with Part VII and Schedule D of the Ontario Regulation 153/04 (Records of Site Condition – Part XV.1 of the EPA), as amended as of July 1, 2011.

The amended Ontario Regulation 153/04 (Records of Site Condition – Part XV.1 of the EPA) provides roles and responsibilities to property owners and consultants to use when assessing the environmental condition of a property, when determining whether or not restoration is required, and in determining the kind of restoration needed to allow continued use or reuse of the property.

7.3. Scope of Work

A Phase One ESA is the systematic preliminary process by which an assessor seeks to determine whether a particular property is subject to actual or potential contamination. A Phase One ESA does not involve the investigative procedures of sampling, analyzing, and measuring, unless enhancements are agreed upon between the client and the assessor.

The principal components of this Phase One ESA consisted of the following:

1. A records review;
2. Interviews;
3. Site reconnaissance;
4. Review and evaluation of collected information;
5. Preparation of tables with Current and Past Uses of the phase one property, Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs);
6. Preparation of a Conceptual Site Model (CSM);
7. Preparation of a written report; and
8. Submission of the report to Mr. Navinder Singh Lal.

4. RECORDS REVIEW

4.1. General

The specific objectives of a records review are to obtain information on the current and past uses of, and activities at, or affecting the phase one property in order to determine if an APEC exists at the Site and to interpret any potential environmental concern. Additionally, a review of records that relate to properties in the phase one study area, other than the phase one property, determines if a PCA may be contributing to an APEC at the phase one property.

4.1.1. Phase One Study Area Determination

The applicable search distance for the phase one study area records review included the phase one property, properties located, wholly or partly, within 250 m from the nearest point on a boundary of the Site, and other neighboring properties where activities considered being potential sources of environmental contamination, were apparent or anticipated.

4.1.2. Municipal Property Use Directories for Phase One Study Area

A review of municipal directories was conducted in order to obtain a listing of previous occupants for the subject property and relevant properties located, wholly or partly, within 250 m from the boundaries of the phase one property. This information is useful in determining the past and/or present uses and associated environmental risks at properties within the phase one study area.

City directories for the years 1965, 1973/74, 1977/78, 1984, 1989, 1994 and 2000 were reviewed as part of the Environmental Risk Information Service (ERIS) Report. The occupants for the Site and surrounding properties were not listed on the directories. However, information provided from other sources is determined to be sufficient to evaluate potential environmental concerns for the Site. Please refer to Appendix A for the ERIS city directory search report.

4.1.3. First Developed Use Determination for Phase One Property

The date of the first developed use of the phase one property was determined to be between the mid-1950s and late-1960s. An aerial photograph dated 1954 indicated that the Site was undeveloped. According to various aerial photographs dated between 1969 and 2019, the Site had been developed with the current single family house.

4.1.4. Fire Insurance Plans

Fire Insurance Plans (FIPs) were originally created to provide insurance companies with detailed information so that they could assess insurance risks as a fire hazard.

Opta Information Intelligence (Opta) was contacted to obtain FIPs and other fire insurance products related to the phase one property and surrounding properties. Opta indicated that no FIPs or inspection reports were available for the phase one study area. Please refer to Appendix A for a copy of the Opta Enviroscan Report.

4.1.5. Chain of Title and Assessment Rolls for Phase One Property

An up-to-date search of the Chain of Title of the phase one property was carried out at the time of this study by Domsons Title Search Inc. A review of the Land Registry document indicated that the chronology of ownership for the Site is as follows:

TABLE 1: Chronological Chain of Title

Date of Property Transfer	Parties From	Parties To
1884/02/22	Samuel Heath	Charles Olliff
1933/06/26	Charles Olliff	James Olliff
1938/02/28	James Olliff exor for Charles C. Olliff - Estate	James H. Olliff
1958/04/18	James H. Olliff	David E. Campbell
1969/09/05	David E. Campbell	The Director, The Veterans' Land Act
1984/10/01	The Director, The Veterans' Land Act	Ronald B. Leadbetter
1984/10/01	Ronald B. Leadbetter	James Rowland
1990/02/23	James Rowland	Allan Lorne Burgess & Gisele Marie Burgess
1997/05/30	Allan Lorne Burgess & Gisele Marie Burgess	Earlen David Foster
2016/03/21	Earlen David Foster	Navinder Singh Lal

It should be noted that no records were available prior to 1884. However, based on information provided from other sources, the current title search information is determined to be sufficient to evaluate potential environmental concerns for the Site. Please refer to Appendix A for a copy of the land title search report from Land Registry Office #43.

4.1.6. Previous Environmental Reports for Phase One Property

No environmental reports conducted by or on behalf of the current or former property owner, with respect to the environmental conditions at the phase one property, were available for review.

4.2. Environmental Source Information

Reasonable accessible information and documents pertaining to the phase one study area have been searched by making inquiries to various Federal and Provincial environmental sources, including an ERIS report that assists in the assessment and evaluation of environmental risks. Please refer to Appendix B for a copy of the ERIS report. The results of the search are as follows:

TABLE 2: Environmental Source Information Search

Source	Findings Pertaining to Phase One Study Area
National Pollutant Release Inventory (NPRI) information maintained by Environment Canada	Based on the ERIS report, no records were listed for properties located within the phase one study area.
Ontario Inventory of PCB Storage Sites, December 2013, and National Inventory of PCBs in Use and PCB Wastes in Storage in Canada, 2008.	Based on the ERIS report, properties within the phase one study area are not identified as PCB storage sites.
Certificate of Approval (CA), Environmental Compliance Approval (ECA), Permit To Take Water (PTTW), Certificate of Property Use (CPU) or similar instruments	Based on the ERIS report, no records were listed for properties located within the phase one study area.
Inventory of Coal Gasification Plant Waste Sites in Ontario, MOE, April 1987	Based on the ERIS Report, properties within the phase one study area are not listed as former coal gasification plant waste sites.

Source	Findings Pertaining to Phase One Study Area
Compliance and conviction records regarding environmental incidents, notices, orders, offences, spills and inspection reports of the Ministry, or submitted to the Ministry	Based on the ERIS Report, no properties within the phase one study area were documented for compliance or conviction regarding environmental notices, orders, or offences. Based on the ERIS report, three (3) spill records associated with leakage of natural gas were registered within the phase one study area in 2016 and 2017. With no anticipated impacts to the environmental quality of soil, groundwater or sediment, no specific concerns are associated with this record pertaining to the Site. At the time of report issuance, a response from the MECP Freedom of Information and Privacy Protection Office to Fisher's recent inquiry on November 2, 2020 had not yet been received. Fisher will advise the Client if any outstanding environmental source information changes the conclusion or recommendations of this report. A copy of the request is provided in Appendix B.
Private and retail fuel storage tanks information maintained by the Technical Standards and Safety Authority (TSSA)	Based on the ERIS report, no tanks were registered within the phase one study area. A response to our request to the TSSA, dated October 27, 2020, indicated that no records of any fuel storage tanks were found for the phase one property or adjoining properties. It should be noted that the Fuels Safety Division of TSSA did not register private fuel underground or aboveground storage tanks prior to January 1990 or furnace oil tanks prior to May 1, 2002. A copy of the response is provided in Appendix B.
MOE Regulation 347 Public Information Data Set and the MOE's Hazardous Waste Information Network (HWIN)	Based on the ERIS report, one (1) property located within the phase one study area was listed as a generator of hazardous wastes as follows: <u>#10 - 12570 Kennedy Road (approximately 190 m north of the Site)</u> • Caledon Dental Center – waste class: pathological wastes (312) for years as of December 2018 and July 2020. With no anticipated impacts to the environmental quality of soil, groundwater or sediment, no specific concerns are associated with this record pertaining to the Site.
Waste Disposal Site Inventories, MOE, June 1991	Properties within the phase one study area are not located within 1 km of any active or closed landfill sites.
Notices and instruments, including Records of Site Condition, posted in the Environmental Site Registry	Based on the ERIS Report, one (1) RSC, under O. Reg. 153/04 (Part XV.1 of the Environmental Protection Act), had been filed for a property within the phase one study area. The RSC (No. 108533) pertaining to 12606 Kennedy Road (approximately 160 m north of the Site) was filed on the basis of Phase I

Source	Findings Pertaining to Phase One Study Area
	and II ESAs with no remediation efforts in June 2011. As a result, the conditions documented in this RSC are not likely associated with significant impacts to the environmental quality of soil or groundwater at the Site.
Well head protection areas (WHPA) information from planning authorities	Based on the WHPA maps available from the Peel Region and the Town of Caledon, no properties within the phase one study area are in or near any WHPA. A copy of the maps is provided in Appendix B.
Information on areas of natural significance maintained by the Ministry of Natural Resources and Forestry (MNRF), Municipal Official Plan and Conservation Authorities	A review of the MNRF online Natural Heritage Area Map indicated that the phase one study area is not within or adjacent to any Provincially Significant Wetlands, Areas of Natural Heritage and Scientific Interest (ANSIs), Niagara Escarpment Plan (NEP) or Oak Ridges Moraine Conservation Plan (ORM). A copy of the Natural Heritage Area Map is provided in Appendix B. According to the Town of Caledon Official Plan (Schedule A, Land Use Plan), the phase one study area is not located within or adjacent to any Waste Management Area, Environmental Policy Area, ORM Area or NEP Area. A copy of the excerpt from the Official Plan is provided in Appendix B. Information from Ontario Conservation Authorities has been examined. No part of the phase one study area is located within or in the vicinity of such an area.

4.3. Physical Setting Sources

4.3.1. Aerial Photographs

Aerial photographs dated 1954, 1969, 1985, 2001, 2011 and 2019 were obtained from University of Toronto Map and Data Library online service, Trent University Library Air Photo online service, LGI Copy Service Canada, and the Town of Caledon “Airphoto History Caledon Maps” online mapping service to corroborate any changes occurred within the phase one study area with information gathered from other records review.

The selected photographs were examined stereoscopically to assess site conditions. A description of the aerial photographs reviewed is as follows:

TABLE 3: Description of Aerial Photographs

Year	Description	
	Site	Surrounding Area
1954	The Site was undeveloped agricultural land. No PCAs or APECs were identified in the photo.	Properties to the east, south and west were undeveloped agricultural lands; dwellings associated with the farm fields were located on properties to the north. Old Kennedy Road is visible in this photo. No PCAs or APECs were identified in the photo.
1969	The Site was developed with a residential-type building located on the central-northern portion of the Site; the rest of the property was vacant and likely covered with grass.	Similar as in 1954. Properties to the west and further to the south were developed with residential-type buildings.
1985	Same as in 1969.	Same as in 1969.
2001	Similar as in 1985. A building structure, likely associated with the current garage building, was located at the central-eastern portion of the Site.	Similar as in 1985.
2011	Same as in 2001.	Soil disturbance and residences associated with the development of a residential subdivision are visible on properties to the north and east. A storm water management pond is situated approximately 160 m southeast of the Site.
2019	Same as in 2011.	Properties to the north, east and south were developed with the current residential subdivision. Another storm water management pond is situated approximately 60 m northwest of the Site. A commercial plaza and residential subdivisions were developed on properties approximately 190 m north of the Site across Dougall Avenue.

No evidence of environmental concern was identified from a review of aerial photographs for the Site and properties within the phase one study area. A copy of the aerial photographs is included in Appendix A.

4.3.2. Topography, Geology and Hydrogeology of Phase One Study Area

Regional Topographical, Geological and Hydrogeological Conditions are presented in the following table:

TABLE 4: Topographical, Geological and Hydrogeological Sources

Topography and Drainage	
Source:	Ministry of Natural Resources and Forestry (MNRF) "Make a Topographic Map" Online Map; Topographical Survey of the Site; and Google Earth.
Regional Conditions:	Grade elevation along Old Kennedy Road slopes southwards from approximately 266 m above sea level (asl) at the intersection with McPherson Road to approximately 264 m asl at the intersection with Larson Peak Road. Grade elevation along Dougall Avenue slopes westwards from approximately 26 m asl at the intersection with Icefall Road to approximately 263 m asl at the intersection with Tundra Road.
Phase One Property Conditions:	Site topography is relatively flat and slightly slopes towards the southwest, with grade elevations ranging from approximately 265.13 m asl (near the northeast portion) to approximately 264.40 m asl (near the southwest corner). Run-off drainage/infiltration is expected to be directed towards street ditches and infiltration at unpaved areas.
Overburden Geology	
Source:	Surficial Geology of Southern Ontario; Ontario Geological Survey, 2010; and ERIS report – MECP Water Well Records.
Regional Stratigraphic Conditions:	Clay to silt-textured till (derived from glaciolacustrine deposits of shale). Soils description obtained from a review of the MECP Well Records available for the phase one study area indicated that the overburden stratigraphy consisted of fill material or topsoil extending to about 4.27 m below ground surface (bgs), overlying silt to about 6.10 m bgs, clay to about 28.04 m bgs, and sand to about 29.26 m bgs.
Phase One Property Conditions:	It is expected that subsurface soil conditions at the Site approach regional stratigraphic conditions.
Bedrock Geology	
Source:	Bedrock Geology of Ontario, 1991 Ministry of Northern Development and Mines, map 2544; and ERIS report – MECP Water Well Records.
Regional Bedrock Conditions:	Upper Ordovician shale, limestone, dolostone and siltstone of the Queenston Formation. Bedrock description obtained from a review of the MECP Well Records available for the phase one study area indicated that shale was encountered at about 29.26 m bgs, extending to 42.06 m bgs.

Phase One Property Conditions:	It is expected that bedrock conditions underlying the Site approach regional stratigraphic conditions.
Hydrogeology	
Source:	Freeze and Cherry 1979 and Holtz and Kovacs 1981.
Regional Conditions:	Based on the MECP well records available for the phase one study from the ERIS report, the surficial deposits within the study area consist mainly of silt, clay and sand, having thicknesses of 6.10 m, 28.04 m, and 20.12 m, respectively, and a typical range of hydraulic conductivity of 10^{-3} – 10^{-7} cm/sec. Approximate depth to water table ranges from 1.60 m to 21.33 m bgs. In general, water table was indicated to be encountered at approximately 5.49 m bgs within the silt stratum and approximately 4.57 m to 21.33 m bgs within the clay stratum.
Phase One Property Conditions:	It is expected that hydrogeological conditions underlying the Site approach regional conditions.
Nearest Open Water Body:	Etobicoke Creek is located approximately 170 m southwest of the phase one property. Etobicoke Creek generally drains south/southeast to Lake Ontario, located approximately 30 km south of the Site. Storm water management ponds associated with residential developments on properties within the phase one study area are located approximately 60 m northwest and 160 m southeast of the Site.
Inferred Groundwater Flow Direction:	Southwest, based on regional topography and proximity to the nearest open water body (Etobicoke Creek).

Regional Topographical and Geological Maps that include the phase one study area are attached in Appendix C.

4.3.3. Fill Materials

The grade surface at the phase one property was generally flat and at a similar grade to the adjoining properties. No evidence of imported fill material was observed on Site.

4.3.4. Water Bodies and Areas of Natural Significance

Etobicoke Creek is located approximately 170 m southwest of the phase one property. Etobicoke Creek generally drains south/southeast to Lake Ontario, located approximately 30 km south of the Site.

No part of the phase one study area is located within or in the vicinity of an area of natural significance.

4.3.5. Well Records

Well record information within the phase one study area available from the ERIS report were reviewed. Please refer to Appendix B for a copy of the ERIS report.

The ERIS report indicated the presence of one (1) well constructed on the Site for the purpose of monitoring and test hole, completed to a maximum depth of 6.10 m bgs, in 2013. The Site stratigraphy encountered from the drilling of the well generally consists of granular fill to about 0.30 m bgs, underlain by native soils consisting of silt with sand/gravel. Groundwater was encountered at 5.49 m bgs.

The ERIS report also indicated the presence of sixteen (16) well records completed between 1957 and 2014 within a 250 m radius around the subject property's boundaries. A review of the well records indicated that five (5) of the wells were constructed as water supply wells for domestic purposes, completed to a maximum depth of 42.06 m bgs, between 1957 and 1984; two (2) of the wells were constructed for the purpose of observation wells or monitoring and test hole, completed to a maximum depth of 10.60 m bgs between 2013 and 2014, and nine (9) wells being abandoned between 2005 and 2013. The local stratigraphy encountered from the drilling of the wells generally consists of topsoil or silt fill extending to about 4.27 m bgs, overlying native soils consisting of silt with sand and clay (0.30 m – 6.10 m bgs), clay and clay with silt, sand or stones (0 m – 28.04 m bgs), and gravel, sand and sand with silt (9.14 m – 29.26 m bgs), underlain by shale (29.26 m – 42.06 m bgs). Groundwater was encountered at depths ranging from 1.60 m to 21.33 m bgs.

4.4. Site Operating Records

Mr. Kamal Singh Lal, representing the current property owner, indicated that no site operating records are available for review.

4.5. Enhanced Investigation Property Due to Previous Use

An enhanced investigation property is defined in O. Reg. 153/04 as a property that is being used or has been used, in whole or in part, for an industrial use or for commercial use as a garage, a bulk liquid dispensing facility (including a gasoline outlet), or for the operation of dry cleaning equipment.

Based on a review of records regarding historical property use, it is concluded that the Site is not an enhanced investigation property.

5. INTERVIEWS

Interviews with persons relevant to the objectives of the phase one environmental site assessment are conducted to obtain information determining if an area of potential environmental concern exists at the phase one property, and to identify details of potentially contaminating activities or potential contaminant pathways in, on or under the phase one property.

5.1. Methodology

All reasonable efforts were made to interview all persons relevant to meeting the objectives of the Phase One ESA. Fisher's Standard Questionnaire was used to conduct interviews with the current owner. Interviews was conducted in person with Mr. Kamal Singh Lal, representing the current property owner, during the Site visit on November 4, 2020.

5.2. Limitations

All interview participants answered the asked questions to the best of their knowledge.

5.3. Interview Participants

a. Mr. Kamal Singh Lal, representing the current property owner

Written summary of the interview, with the date, time, duration, method and place of the interview, name of interviewed person and reason for person selection, key questions and answers for each of the topics of the interview, and comparison of info from interviews to other data sources to assess validity of interview info, are included in Documentation of Interviews form in Appendix B.

6. SITE RECONNAISSANCE

A visit at the Site, and at remaining publicly accessible phase one study area, was conducted by Mr. Bernard Chan of Fisher on November 4, 2020. The assessor was accompanied by Mr. Kamal Singh Lal during the Site visit. Selected photographs taken at the phase one study area visit are included in Appendix B.

6.1. General Requirements

The objectives of the site reconnaissance are to determine if APECs exist through observations about current and past uses and PCAs on, in or under the phase one property, and where practicable, current and past uses and PCAs at the remaining phase one study area.

Additionally, the objective of the site reconnaissance is to identify details of potential contaminant transport pathways on, in or under the phase one property and contaminants of potential concern.

6.1.1. Methodology

TABLE 5: Site Reconnaissance Methodology

Date and Time of Investigation:	November 4, 2020, 1:00 p.m.
Weather Conditions:	Sunny, 19°C.
Duration of the Investigation:	1 hour
Operational Industrial or Commercial Facility:	No
Enhanced Investigation Property:	No (based on former and current property uses)
Observation Methods:	Visual assessment and photographs of the Site's features.
Name and Qualifications of Assessor:	Bernard Chan, C. Chem., P. Eng.

6.1.2. Limitations

Fisher was permitted access to all areas of the phase one property.

6.1.3. Current Property Use and Activities

The Site is occupied by a two-storey single family house. No current Site operations, representing PCAs, were identified at the phase one property at the time of the site visit.

6.1.4. Evaluation of Phase One Property Photographs

Photographs of the Site are attached in Appendix B and are summarized below:

- Photo 1 shows the western portion of the Site, where the access driveway to the Site is located, and showing the two-storey house at the central-northern portion of the Site and the frame garage at the central-eastern portion of the Site.
- Photo 2 shows the two-storey house at the central-northern portion of the Site. A natural gas meter and a central air conditioning unit are situated along the west wall of the house.
- Photo 3 shows the southern portion of the Site.
- Photo 4 shows the septic tank situated north of the house.
- Photo 5 shows the south side of the house, where the patio is located.

- Photo 6 shows the east side of the house, where the backyard and a frame shed are located.
- Photo 7 shows the frame garage at the central-eastern portion of the Site, which was used for storage of various household items and paint cans.
- Photo 8 shows the laundry room near the northeast corner of the basement.
- Photo 9 shows the hot water tank near the northwest corner of the basement.
- Photo 10 shows the natural gas furnace and fiberglass insulation near the central-western portion of the basement.

6.2. Written Description of Specific Observations at Phase One Property

The phase one property is approximately rectangular in shape and consists of a two-storey single family house near the central-northern portion of the Site. It is accessible from Old Kennedy Road.

TABLE 6: Summary of Property Description

Property Area:	0.20 hectares
Utility Providers:	• Water: Regional Municipality of Peel
	• Storm Sewer: None; storm water drained by infiltration or by overland flow into drainage ditches along Old Kennedy Road. • Sanitary Sewer: None; private septic tank in use.
	• Electricity: Hydro One
	• Natural gas: Enbridge
Number of Buildings and Area:	1 building: 170 m^2
Number of Levels:	2
Basement:	Yes
Year Built:	Between mid-1950s and late-1960s
General Construction:	Concrete block, stone and brick walls with metal frame siding, concrete floor basement and shingles roof
Building Use:	Residential

6.2.1. Exterior Aboveground and Underground Structures

A two-storey single family house with a partial basement is located near the central-northern portion of the Site. The exterior stone and brick walls, as well as the shingles covered roof, were in good condition, with no evident signs of cracks, structural damage or staining. A septic tank is located north of the house. A patio is located on the south side of the house. A frame shed is located east of the house. A frame garage is located near the central-eastern portion of the Site. The surface of the property is predominantly covered with gravel with an asphalt paved driveway, landscaping and occasional overgrown vegetation. Refer to Photos 1 to 6 in Appendix B.

6.2.2. Underground Utility and Service Corridors

The natural gas and water supply services were connected through the west wall of the house to the main supply pipes underneath Old Kennedy Road.

Storm water is either drained by infiltration on the unpaved areas of the Site or by overland flow into drainage ditches along Old Kennedy Road.

Domestic wastewater is discharged into an on-site septic tank located north of the house.

Hydro electricity and telephone cables are running overhead from the hydro poles on Old Kennedy Road to the northwest corner of the house on the Site.

6.2.3. Potable Water Supply

Properties within the phase one study area rely on municipal water obtained from surface water bodies, as a source of drinking water. Based on the MECP Well Records from the ERIS report, some properties within the phase one study area are also serviced by private water wells (refer to Section 4.3.5).

6.2.4. Wells, Pits, Lagoons, Watercourses, Ditches or Standing Water

A drainage ditch is present along the western property boundary. No evidence of abandoned or existing wells, pits, lagoons, watercourses or standing water was identified on the Site. According to a 2018 survey plan prepared for the Site, a monitoring well is located near the central-western portion of the Site. However, the monitoring well was not observed during our Site visit.

6.2.5. Stained Materials, Stressed Vegetation and Fill Materials

No stained surficial materials, stressed vegetation or fill materials were observed at the Site.

6.2.6. Interior of Buildings or Structures

A single family house with a partial second level and a partial basement, with concrete block, stone and brick walls with metal frame siding, concrete floor basement, is located at the central-northern portion of the Site. The building was occupied and utilized as residential living space. Building features observed were identified as follows:

- The interior wall finishes of the house include concrete blocks in the basement and drywalls in the main and second floors. The floor finishes include ceramic tiles and laminated wood. The basement was unfinished.
- A frame shed is located east of the house and was used for storage of various household items. A frame garage is located near the central-eastern portion of the Site, and was used for storage of various household items, tools and paint cans. No significant staining was observed on the floor/ground in the area of the paint cans. Refer to photo 7 in Appendix B.
- A laundry room, hot water heater and natural gas fired furnace were located in the basement of the house. Refer to photos 8 to 10 in Appendix B.
- The concrete floors in the basement of the house, frame shed and frame garage were in good condition, with no evident signs of cracks, structural damage or staining.
- Fluorescent lighting was observed in all areas of the house.

6.2.7. Heating and Cooling

The house is heated by a natural gas-fired furnace in the basement, and is cooled by a central air conditioning unit situated along the west wall of the house. Refer to photos 2 and 10 in Appendix B.

6.2.8. Stains

No evidence of stains was observed on the Site.

6.2.9. Drains, Sumps, Pits and Oil/Water Separators

No drains, sumps, pits, interceptors, trenches or oil/water separators were observed on the Site.

6.2.10. Hydraulic Equipment

No hydraulic equipment was observed at the Site.

6.2.11. Unidentified Substances

No unidentified substances or unidentified substances storage were noted on-site at the time of our visit.

6.2.12. Designated Substances and Other Special Attention Items

Occupational Health and Safety Act (OHSA), R.S.O. 1990 defines a toxic substance as a chemical, biological or physical agent whose presence or use in the workplace may endanger the health and safety of a worker. The parts of the Act that deals with toxic substances are intended to:

1) ensure that worker exposure to toxic substances is controlled;
2) ensure that toxic substances in the workplace are clearly identified and that workers receive enough information about them to be able to handle them safely; and
3) provide the general public with access to information about toxic substances used by industry in their communities.

The Act allows a toxic substance to be “designated”, and its use in the workplace to be either prohibited or strictly controlled. Designation is reserved for substances that are particularly hazardous.

All accessible spaces within the building were visually inspected for the potential presence of Designated Substances and Other Special Attention Items of concern, and the following findings were noted:

TABLE 7: Designated Substances and Other Special Attention Items

Suspect Designated Substance or Other Special Attention Items	Matrix/Source	Present On-Site	Location On-Site	Matrix/Source Condition
Friable Asbestos-Containing Materials (ACMs)	Pipe elbow insulation, Drywall Joint Compound or Plaster	Potentially	Interior of house	Good
Non-friable ACMs	Ceramic floor tiles	Potentially	Interior of house	Good
	Ceiling tiles	Potentially	Interior of house	Good

Suspect Designated Substance or Other Special Attention Items	Matrix/Source	Present On-Site	Location On-Site	Matrix/Source Condition
Polychlorinated Biphenyls (PCBs)	Fluorescent light ballasts	Potentially	Interior of house	Good
Lead-Based Materials	Interior paint	Potentially	Interior of house	Good
Urea Formaldehyde Foam Insulation (UFFI)	Wall insulation	No	Not Applicable	Not Applicable
Ozone Depleting Substances (ODSs)	HVAC equipment	Potentially	Central air conditioning unit along west wall of the house and refrigerator inside the kitchen	Not inspected
Mould	Interior walls and ceilings	No	Not Applicable	Not Applicable
Radon Gas	Uranium rich Black shale and/or granite bedrock	No	Not Applicable	Not Applicable
Noise and Vibration	Not Applicable	No	Not Applicable	Not Applicable

The assessment of the Site for potential presence of hazardous building materials was based on the age of the building and components, and a non-intrusive visual investigation of the Site. No sampling of materials was conducted.

6.2.13. Adjacent Properties

The phase one study area consisted of a mix of commercial, residential and parkland uses. Refer to Figure 1 in Appendix D for a site plan showing the phase one study area. Properties located adjacent to the Site at the time of our inspection are listed as follows:

- **North:** Townhouses along Waterville Way, followed by Dougall Avenue and a commercial plaza beyond.
- **Northeast:** Townhouses along Waterville Way, followed by single family residences along Stellar Avenue, and more single family residences within a residential subdivision beyond.
- **East:** Single family residences along Stellar Avenue, followed by more single family residences within a residential subdivision beyond.

- **Southeast:** Single family residences along Stellar Avenue, followed by more single family residences along Larson Peak Road and a storm water management pond beyond.
- **South:** Single family residences followed by Larson Peak Road, followed by more single family residences along Larson Peak Road and Old Kennedy Road beyond.
- **Southwest:** Old Kennedy Road, followed by vacant land and Etobicoke Creek beyond.
- **West:** Old Kennedy Road, followed by a residential dwelling to the west and Etobicoke Creek beyond.
- **Northwest:** Old Kennedy Road, followed by a storm water management pond and John Clarkson Park, Dougall Avenue and a residential subdivision beyond.

No evidence of environmental concern was identified from the adjacent properties during our Site visit.

6.2.14. Enhanced Investigation Property Due to Current Use

Based on interviews and site reconnaissance conducted as part of the present Phase One ESA, it is concluded that the current operations conducted at the Site are not consistent with those that define an enhanced investigation property.

6.3. Written Description of Investigation

The site reconnaissance was conducted to identify, describe, and document specific items at the phase one property and at surrounding properties within the phase one study area, in accordance with Schedule D of O. Reg. 153/04. Written descriptions detailing the observations made by Fisher during the site reconnaissance are provided above in Section 6.2 for the phase one property and the phase one study area.

Discussions regarding the identification of PCAs on the phase one property and on surrounding properties with the phase one study area are provided below in Sections 7.2 and 7.3, respectively.

6.4. Findings relevant to the existence of Areas of Potential Environmental Concern on, in or under Phase One Property

No current or historical PCAs, operations or tenants associated with the phase one property, or with other properties within the phase one study area, were identified as contributing to an APEC at the phase one property.

7. REVIEW AND EVALUATION OF INFORMATION

The review of information is conducted to evaluate and interpret the data obtained from the records review, the interviews and the site reconnaissance, in order to achieve the general and specific objectives of the Phase One ESA.

Identification of current and past uses of the phase one property, existence and location of any APECs on, in or under the phase one property and description of any PCAs at the phase one property and within the phase one study area, that may be contributing to an APEC at the phase one property, is presented in the following sections.

7.4. Current and Past Uses of the Phase One Property

TABLE 8

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
1884	Charles Olliff	Agricultural land use or undeveloped land	Agricultural or other use	Date of ownership and name of owner based on the title search.
1933	James Olliff	Agricultural land use or undeveloped land	Agricultural or other use	Date of ownership and name of owner based on the title search.
1938	James H. Olliff	Agricultural land use or undeveloped land	Agricultural or other use	Date of ownership and name of owner based on the title search.
1958	David E. Campbell	Agricultural land use or undeveloped land	Agricultural or other use	Date of ownership and name of owner based on the title search. Aerial Photograph (1954) – the Site was undeveloped agricultural land.
1969	The Director, The Veterans' Land Act	Residential single family house	Residential use	Date of ownership and name of owner based on the title search. Aerial Photograph (1969) – the Site was developed with the current single family house.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
1984	Ronald B. Leadbetter	Residential single family house	Residential use	Date of ownership and name of owner based on the title search.
1984	James Rowland	Residential single family house	Residential use	Date of ownership and name of owner based on the title search.
1990	Allan Lorne Burgess & Gisele Marie Burgess	Residential single family house	Residential use	Date of ownership and name of owner based on the title search. Aerial Photograph (1985) – the Site was developed with the current single family house.
1997	Earlen David Foster	Residential single family house	Residential use	Date of ownership and name of owner based on the title search.
2016	Navinder Singh Lal	Residential single family house	Residential use	Date of ownership and name of owner based on the title search. Aerial Photographs (2001, 2011, 2019) – the Site was developed with the current single family house and a garage building. Site Reconnaissance – the Site was occupied for residential uses during our inspection on November 4, 2020.

7.5. Potentially Contaminating Activities at the Phase One Property

TABLE 9

Potentially Contaminating Activity (PCA)	Description
None identified.	Not applicable.

7.6. Potentially Contaminating Activities at the Remaining Phase One Study Area that May Contribute to an APEC at the Phase One Property

TABLE 10

Property within remaining phase one study area	Potentially Contaminating Activity (PCA)	Description
All properties.	None identified.	No current or historical PCAs, operations or tenants associated with properties within phase one study area, other than the phase one property, were identified as contributing to an APEC on, in or under the phase one property.

7.7. Areas of Potential Environmental Concern

TABLE 11

Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity** (PCA)	**Location of PCA** (on-site or off-site)	**Contaminants of Potential Concern** (CPC)	**Media Potentially Impacted** (Groundwater, soil and/or sediment)
None identified.	None	None	N/A	N/A	None

7.4.1. Reasoning and Uncertainty of Evaluation

It was inferred that subsurface conditions at the phase one property approached the regional geological and hydrogeological conditions. Therefore, in the absence of details related to contaminant transport pathways from upgradient properties within the phase one study area to the phase one property, the actual contribution of natural (or anthropogenic) pathways to contaminant transport and distribution under the phase one property was uncertain and could have affected the conclusions of the Phase One ESA.

7.8. Phase One Conceptual Site Model

This Phase One Conceptual Site Model (CSM) synthesizes relevant information gathered during phase one study area evaluation, co-relates the Site features and geological/hydrogeological conditions in the area with on-site and/or off-site PCAs, and identifies transport pathways and CPCs within the phase one study area that may contribute to APECs on, in or under the phase one property.

The graphic form of the Phase One CSM includes:

- A Site Plan of the phase one study area (Fig. 1) that shows the Site and water body (Etobicoke Creek) located in whole or in part on the phase one study area, roads, uses of properties adjacent to the phase one property, anticipated groundwater flow direction, and areas where on-site and/or off-site PCAs have occurred (none identified).
- A Site Plan of the phase one property (Fig. 2) that, in addition to Fig. 1, presents the Site layout, anticipated groundwater flow direction, and APECs associated with on-site and/or off-site PCAs (none identified).

The narrative form of the Phase One CSM presented below is prepared on the assumption that the Site will be developed to residential property use. The associated Figures 1 and 2 are included in Appendix D.

TABLE 12: Phase One CSM

Areas where Potentially Contaminating Activities have occurred on-site and/or off-site, and associated Contaminants of Potential Concern:	None identified.

Surface and sub-surface structures that may affect contaminant distribution and transport on-Site and from neighbouring properties:	**T-1** – The foundation of the two-storey single family house located at the central-northern portion of the Site. **T-2** – Septic tank located north of the house. **T-3** – A natural gas line and a potable water supply connected from Old Kennedy Road to the west side of the house. **T-4** – Numerous utilities under Old Kennedy Road.
Geological and hydrogeological interpretations:	The surficial geology in the area is characterized as clay to silt-textured till, derived from glaciolacustrine deposits of shale. Soils description obtained from a review of MECP Well Records available for the phase one study area indicated that the overburden stratigraphy consisted of fill material or topsoil extending to about 4.27 m bgs, overlying silt to about 6.10 m bgs, clay to about 28.04 m bgs, and sand to about 29.26 m bgs, underlain by shale, extending to 42.06 m bgs. Considering that the surficial geology in the area is characterized as silt, clay and sand, having thicknesses of 6.10 m, 28.04 m, and 20.12 m, respectively, and that the regional hydrogeologic condition indicate a typical range of hydraulic conductivity for these soils of 10^{-3}-10^{-7} cm/sec. The general groundwater flow direction in the phase one study area is expected to be southwest towards Etobicoke Creek located approximately 170 m southwest of the Site. Etobicoke Creek generally drains south/southeast to Lake Ontario, located approximately 30 km south of the Site. Based on the MECP well records available for the phase one study area, approximate depth to water table ranges from 1.60 m to 21.33 m bgs. In general, water table was indicated to be encountered at approximately 5.49 m bgs within the silt stratum and approximately 4.57 m to 21.33 m bgs within the clay stratum. Since no source of contaminants has been identified within the phase one study area, geological and hydrogeological interpretations are not relevant to CSM development at this stage.
Uncertainty or absence of information:	It was inferred that subsurface conditions at the phase one property approached the regional geological and hydrogeological conditions. Therefore, in the absence details related to contaminant transport pathways from upgradient properties within phase one study area to the phase one property, the actual contribution of natural (or anthropogenic) pathways to contaminant transport and distribution under the phase one property was uncertain and could have affected the conclusions of the Phase One ESA.

	This Phase One Conceptual Site Model represented the contemporary understanding of the site in terms of the relevant potentially contaminating sources, subsurface materials and processes, served as the basis for further site characterization. Because of the limited intrusive and/or non-intrusive investigations data on the phase one study area, the site conceptual model can only provide an approximation to the real world. At the early stages of conceptual site model development, it is possible that several realizations will be tenable.

8. CONCLUSIONS

8.1. Requirement for Phase Two Environmental Site Assessment

Considering the findings of the current Phase One ESA, it is concluded that a Phase Two ESA is not required for the phase one property.

8.2. Record of Site Condition Based on Phase One ESA Alone

The records review, interviews and site reconnaissance conducted as part of the present Phase One ESA have identified no PCAs within phase one study area that may contribute to APECs at the phase one property, and no further investigation is required. It is expected that the phase one property could continue to be used for residential purposes, and if required, a Record of Site Condition can be filed for the Site based on Phase One ESA only.

8.3. Signatures

Fisher Environmental Ltd. carried out the present Phase One Environmental Site Assessment at the request of Mr. Navinder Singh Lal, and by signing below the qualified person confirms the findings and conclusions of this report.

Respectfully submitted,

LICENSED PROFESSIONAL ENGINEER
D. A. FISHER
PROVINCE OF ONTARIO

David Fisher, P. Eng., C. Chem.
Principal
Fisher Environmental Ltd.

Bernard Chan, C. Chem., P. Eng.
Project Manager
Fisher Environmental Ltd.

9. REFERENCES

- Ontario Regulation 153/04 (Records of Site Condition – Part XV.1 of the EPA), Part VII and Schedule D of the Amended Regulation;
- Occupational Health and Safety Act (OHSA), R.S.O. 1990, Ministry of Labour;
- *Plan of Survey with Topography of Part of Lot 20, Concession 2, East of Hurontario Street (Geographic Township of Chinguacousy), Town of Caledon, Regional Municipality of Peel*, 1:200, July 17, 2018, Speight, Van Nostrand & Gibson Limited;
- Environmental Risk Information Service (ERIS) Report, November 5, 2020 – City Directory Searches, various years, 1965 – 2000;
- Opta Information Intelligence (Opta) – Enviroscan Report, November 2, 2020;
- Chain of Title Search, Land Registry Office #43, Domsons Title Search Inc.;
- ERIS Report, Project No. 20302700327, October 30, 2020;
- Ministry of the Environment, Conservation and Parks (MECP) Freedom of Information and Privacy Protection Office (FOI);
- Technical Standards and Safety Authority (TSSA) Fuel Safety Branch, October 27, 2020;
- Waste Disposal Site Inventories, MOE, June 1991;
- Ontario Environmental Site Registry;
- Wellhead Protection Areas in Peel Region, 2011, Figure 13, ArcGIS Online;
- Town of Caledon Official Plan – Schedule A “Town of Caledon Land Use Plan”, 2018; and Schedule O “Wellhead Protection Areas”, 2018;
- Ministry of Natural Resources and Forestry (MNRF) Natural Heritage Map;
- University of Toronto Map and Data Library Online Service, Aerial Photograph, 1954;
- Trent University Library Air Photo Online Service, Aerial Photograph, 1969;
- LGI Copy Service Canada, Aerial Photograph, 1985;
- Town of Caledon “Airphoto History Caledon Maps” Online Mapping Service, Aerial Photographs, various years, 2001 – 2019;
- MNRF Make a Topographic Map;
- Google Earth Maps;
- *Surficial Geology of Southern Ontario*, Ontario Geological Survey, 2010;
- *Bedrock Geology of Ontario*, 1991 Ministry of Northern Development and Mines, map 2544;
- *Groundwater*, Freeze and Cherry 1979; and
- *An Introduction to Geotechnical Engineering*, Holtz and Kovacs 1981.

10. QUALIFICATIONS OF THE ASSESSOR

The records review and Site visit for this assessment were conducted by Mr. Bernard Chan, who has been trained and has over 20 years of experience in conducting Phase I ESAs in accordance with the CSA Standard and the amended Ontario Regulation 153/04 (Records of Site Condition – Part XV.1 of the EPA). Bernard Chan has conducted more than 400 Phase I ESAs for commercial/industrial/residential clients and government agencies and is routinely engaged in this field.

As a Qualified Person who conducts and supervises Phase I ESAs, Mr. David Fisher, president of Fisher Environmental Ltd., is a senior Managerial and Environmental Engineering Specialist with over 30 years of progressive, innovative experience in the Petrochemical and Environmental Engineering Industry. Mr. Fisher is responsible for the development and management of a progressive environmental consulting engineering company specializing in environmental site assessments and remediation, geotechnical and hydrogeological investigations, tank removals, PCB waste treatment, land reclamation, recycling, hazardous waste disposal, and associated laboratory analytical practices.

Fisher Environmental Ltd. has been established as a team of engineers and consultants since 1989, and continues to develop a strong, wide client base. The company is staffed with personnel holding graduate or postgraduate qualifications at the Markham headquarters, as well as specialist associates offering a broad range of expertise and knowledge in environmental consulting. With a background in the petroleum industry, extensive experience has been gained in the prevention and cleanup of contamination in air, water and soil.

11. LIMITATIONS

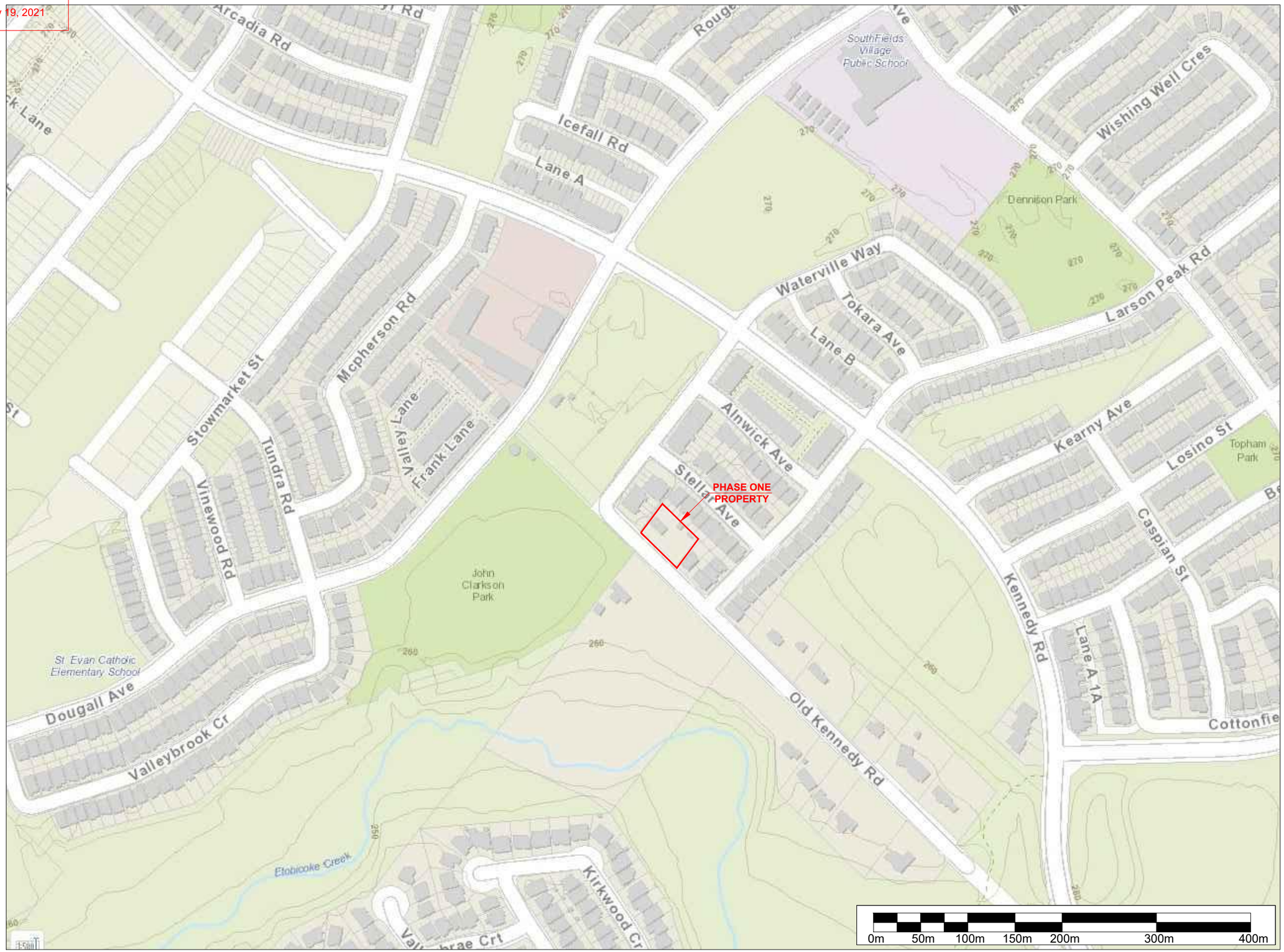
This report was prepared for use by Mr. Navinder Singh Lal, and is based on the work as described in the Scope of Work. The conclusions presented in this report reflect existing Site conditions within the scope of this assignment.

Some information presented in this report was provided through existing documents and interviews. Although attempts were made, whenever possible, to consult alternative sources of information, in certain cases Fisher Environmental Ltd. has been required to assume that the information provided is accurate. The findings and conclusions presented in this report are based predominately on interpretation of data obtained from visual observations, records review at publicly accessible areas, as conducted. Considering the uncertainties or absence of information noted in the report, there is no warranty, expressed or implied, by Fisher Environmental that this assessment has identified all Potential Contaminating Activities or Contaminants of Potential Concern at the phase one study area, or that the subject site is free from any and all contamination from past or current practices other than that noted, nor that all issues of environmental compliance have been addressed.

No investigation method can eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level. Professional judgment was exercised in gathering and analyzing the information obtained and the formulation of the conclusions and recommendations. Like all professional persons rendering advice, we do not act as absolute insurers of the conclusions reached, but commit ourselves to care and competence in reaching those conclusions. No warranty, whether expressed or implied, is included or intended in this report.

The scope of services performed may not be appropriate for the purposes of any other users. This report should not be used in contexts other than pertaining to the evaluation of the property at the current time. Written authorization must be obtained from Fisher Environmental Ltd. prior to use by any other parties, or any future use of this document or its findings, conclusions, or recommendations represented herein. Any use that a third party makes of this report, or any reliance on or decisions made on the basis of it, are the responsibility of the third party. Fisher Environmental Ltd. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

APPENDIX A – SITE LOCATION MAP, PLAN OF SURVEY, MUNICIPAL DIRECTORY SEARCH, OPTA ENVIROSCAN REPORT, TITLE SEARCH DOCUMENTATION, AERIAL PHOTOGRAPHS



FISHER ENVIRONMENTAL LTD.
400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2
Tel: 905 475-7755
Fax: 905 475-7718

NORTH

N

LEGEND

PHASE ONE PROPERTY BOUNDARY

PROJECT NAME AND ADDRESS

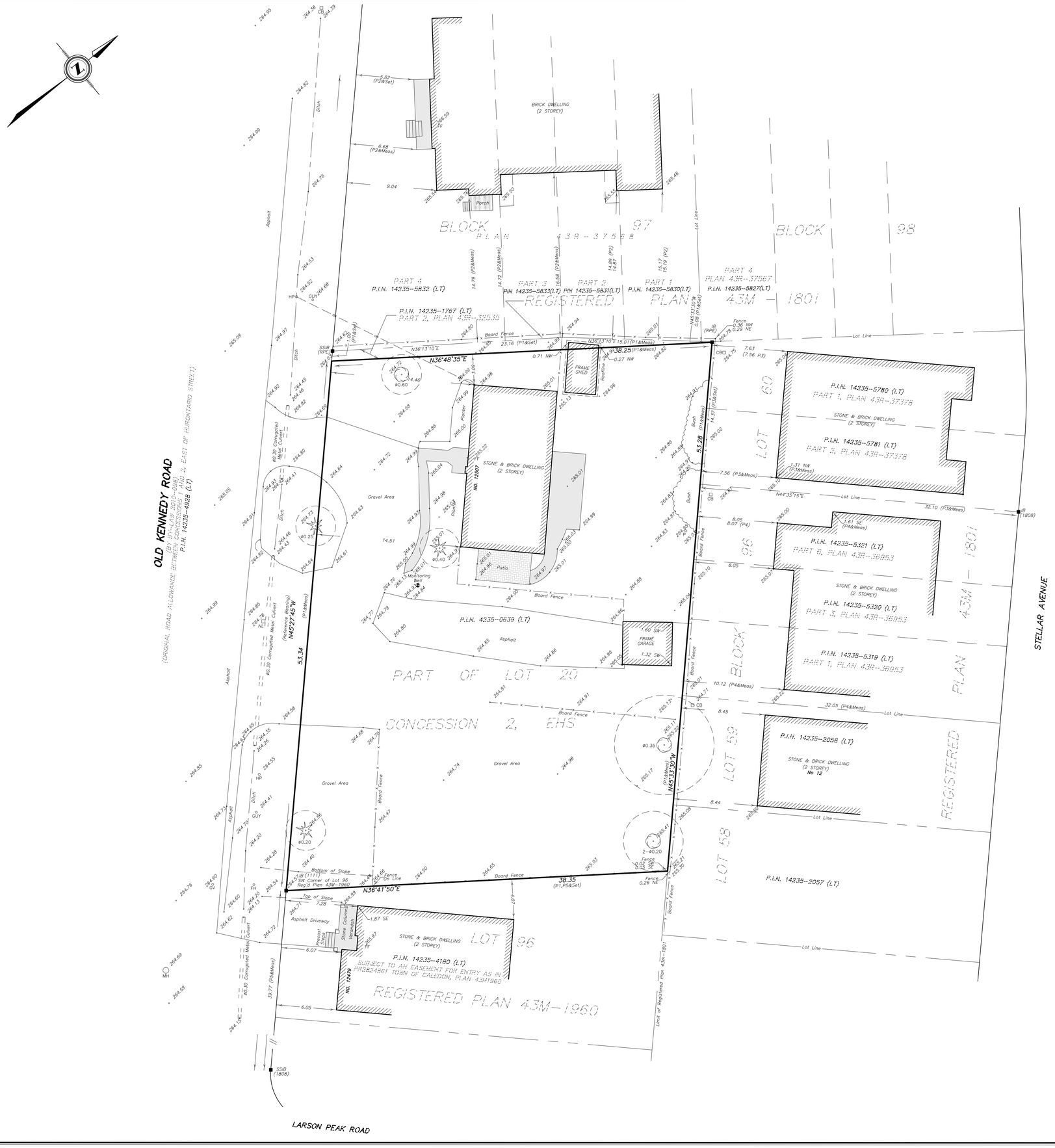
PHASE ONE ESA

12507 Old Kennedy Rd,
Caledon, ON

FIGURE A:

SITE LOCATION MAP

PROJECT NO.	SHEET NO.
FE-P 20-10692	A
DATE: 25 November 2020	
SCALE: AS SHOWN	



PLAN OF SURVEY WITH TOPOGRAPHY OF

PART OF LOT 20
CONCESSION 2
EAST OF HURONTARIO STREET

(GEOGRAPHIC TOWNSHIP OF CHINGUACOUSY)

TOWN OF CALEDON

REGIONAL MUNICIPALITY OF PEEL

SCALE 1 : 200

5 0 5 10 15 20 metres

SPEIGHT, VAN NOSTRAND & GIBSON LIMITED
ONTARIO LAND SURVEYORS
2018

ELEVATION NOTE

ELEVATIONS ARE GEODETIC AND ARE RELATED TO CITY OF BRAMPTON BENCHMARK No. 607 HAVING A PUBLISHED ELEVATION OF 256.169m

BEARING NOTE

BEARINGS SHOWN HEREON ARE GRID BEARINGS AND ARE REFERRED TO THE EASTERLY LIMIT OF OLD KENNEDY ROAD AS SHOWN ON PLAN 43R-32535, HAVING A BEARING OF N45°27'45"W.

METRIC

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

LEGEND

■	DENOTES	SURVEY MONUMENT FOUND
□	"	SURVEY MONUMENT PLANTED
WIT	"	WITNESS MONUMENT
SIB	"	STANDARD IRON BAR
SSIB	"	SHORT STANDARD IRON BAR
IB	"	IRON BAR
N,S,E,W	"	NORTH, SOUTH, EAST, WEST
(865)	"	D.P. MCLEAN, O.L.S.
(1111)	"	GORD GOOD SURVEYING INC., O.L.S
(1808)	"	J. H. GELBLOOM SURVEYING LIMITED, O.L.S.
P1	"	PLAN 43R-32535
P2	"	PLAN 43R-37568
P3	"	PLAN 43R-37378
P4	"	PLAN 43R-36953
P5	"	REGISTERED PLAN 43M-1960
GUY	"	GUY WIRE
HP	"	HYDRO POLE
FF	"	FINISHED FLOOR
MH	"	MANHOLE
GV	"	GAS VALVE
CB	"	CATCH BASIN
FH	"	FIRE HYDRANT
O/H	"	OVERHEAD
U/G	"	UNDERGROUND
	"	DECIDUOUS TREE
	"	CONIFEROUS TREE
	"	TREE CANOPY
	"	CONCRETE
	"	BRICK
	"	WOOD

SURVEYOR'S CERTIFICATE

I CERTIFY THAT :

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON JUNE 22, 2018.

DATE : JULY 17, 2018

IVES RUDNICKI
ONTARIO LAND SURVEYOR

SPEIGHT, VAN NOSTRAND & GIBSON LIMITED
ONTARIO LAND SURVEYORS
750 OAKDALE ROAD, Units 65 & 66
TORONTO, ONTARIO M3N 2Z4
TEL. 416 749-SVNG(7864) FAX 416 749-7866
E-MAIL: toronto@svng.on.ca

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
2060661

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR
In accordance with Regulation 1026, Section 29(3)

DRAWN :	E. D. / M. D.	FILE NAME :	A1800177.DWG
CHECKED :	L. R.	PLOT SCALE :	MET.1=0.20
JOB No. :	180-0177	PLOTTED :	
REF. No. :	12-Con 2 EHS	UPDATED :	

12-Con 2 EHS

A1 (594x840)

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

CITY DIRECTORY

Project Property:	*12507 Old Kennedy Road, Caledon, ON*
Report Type:	*City Directory*
Order No:	*20302700327*
Information Source:	*Polk's Halton-Peel Region, ON, CRISS-CROSS*
Date Completed:	*05/11/2020*

Note addendum regarding documentation results

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

City Directory Information Source
Polk's Halton-Peel Region, ON, CRISS-CROSS

PROJECT NUMBER: 20302700327	
Site Address:	12507 Old Kennedy Road
Year: 2000	
Site Listing:	-Address Not Listed
Adjacent Properties:	
12502 Old Kennedy Road	-Address Not Listed
12540 Kennedy Road	-Address Not Listed
12550 Kennedy Road	-Address Not Listed
12560 Kennedy Road	-Address Not Listed
12570 Kennedy Road	-Address Not Listed

PROJECT NUMBER: 20302700327	

Site Address:	12507 Old Kennedy Road
Year: 1994	
Site Listing:	-Address Not Listed
Adjacent Properties:	
12502 Old Kennedy Road	-Address Not Listed
12540 Kennedy Road	-Address Not Listed
12550 Kennedy Road	-Address Not Listed
12560 Kennedy Road	-Address Not Listed
12570 Kennedy Road	-Address Not Listed

PROJECT NUMBER: 20302700327	
Site Address:	12507 Old Kennedy Road
Year: 1989	
Site Listing:	-Address Not Listed

Adjacent Properties:	
12502 Old Kennedy Road	-Address Not Listed
12540 Kennedy Road	-Address Not Listed
12550 Kennedy Road	-Address Not Listed
12560 Kennedy Road	-Address Not Listed
12570 Kennedy Road	-Address Not Listed

PROJECT NUMBER: 20302700327	
Site Address:	12507 Old Kennedy Road
Year: 1984	
Site Listing:	-Address Not Listed
Adjacent Properties:	
12502 Old Kennedy Road	-Address Not Listed
12540 Kennedy Road	-Address Not Listed

12550 Kennedy Road	-Address Not Listed
12560 Kennedy Road	-Address Not Listed
12570 Kennedy Road	-Address Not Listed

PROJECT NUMBER: 20302700327	
Site Address:	12507 Old Kennedy Road
Year: 1977/78	
Site Listing:	-Address Not Listed
Adjacent Properties:	
12502 Old Kennedy Road	-Address Not Listed
12540 Kennedy Road	-Address Not Listed
12550 Kennedy Road	-Address Not Listed
12560 Kennedy Road	-Address Not Listed
12570 Kennedy Road	-Address Not Listed

PROJECT NUMBER: 20302700327	
Site Address:	12507 Old Kennedy Road
Year: 1973/74	
Site Listing:	-Address Not Listed
Adjacent Properties:	
12502 Old Kennedy Road	-Address Not Listed
12540 Kennedy Road	-Address Not Listed
12550 Kennedy Road	-Address Not Listed
12560 Kennedy Road	-Address Not Listed
12570 Kennedy Road	-Address Not Listed

PROJECT NUMBER: 20302700327	
Site Address:	12507 Old Kennedy Road
Year: 1965	
Site Listing:	-Address Not Listed

Adjacent Properties:	
12502 Old Kennedy Road	-Address Not Listed
12540 Kennedy Road	-Address Not Listed
12550 Kennedy Road	-Address Not Listed
12560 Kennedy Road	-Address Not Listed
12570 Kennedy Road	-Address Not Listed

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.

Due to unforeseen circumstances resulting from the Covid-19 pandemic of 2020, access to information sources has been prohibited. While all additional measures were untaken in order to provide accurate information where possible, some project searches yielded no results*

opta
INFORMATION INTELLIGENCE

enviroscan

An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:

Stephanie

Site Address:

12507 Old Kennedy Road Caledon ON

Project No:

20302700327

Opta Order ID:

79663

Requested by:

Eleanor Goolab
ERIS

Date Completed:

11/2/2020 9:25:12 AM

Project Name: 12507 Old Kennedy Road Caledon ON

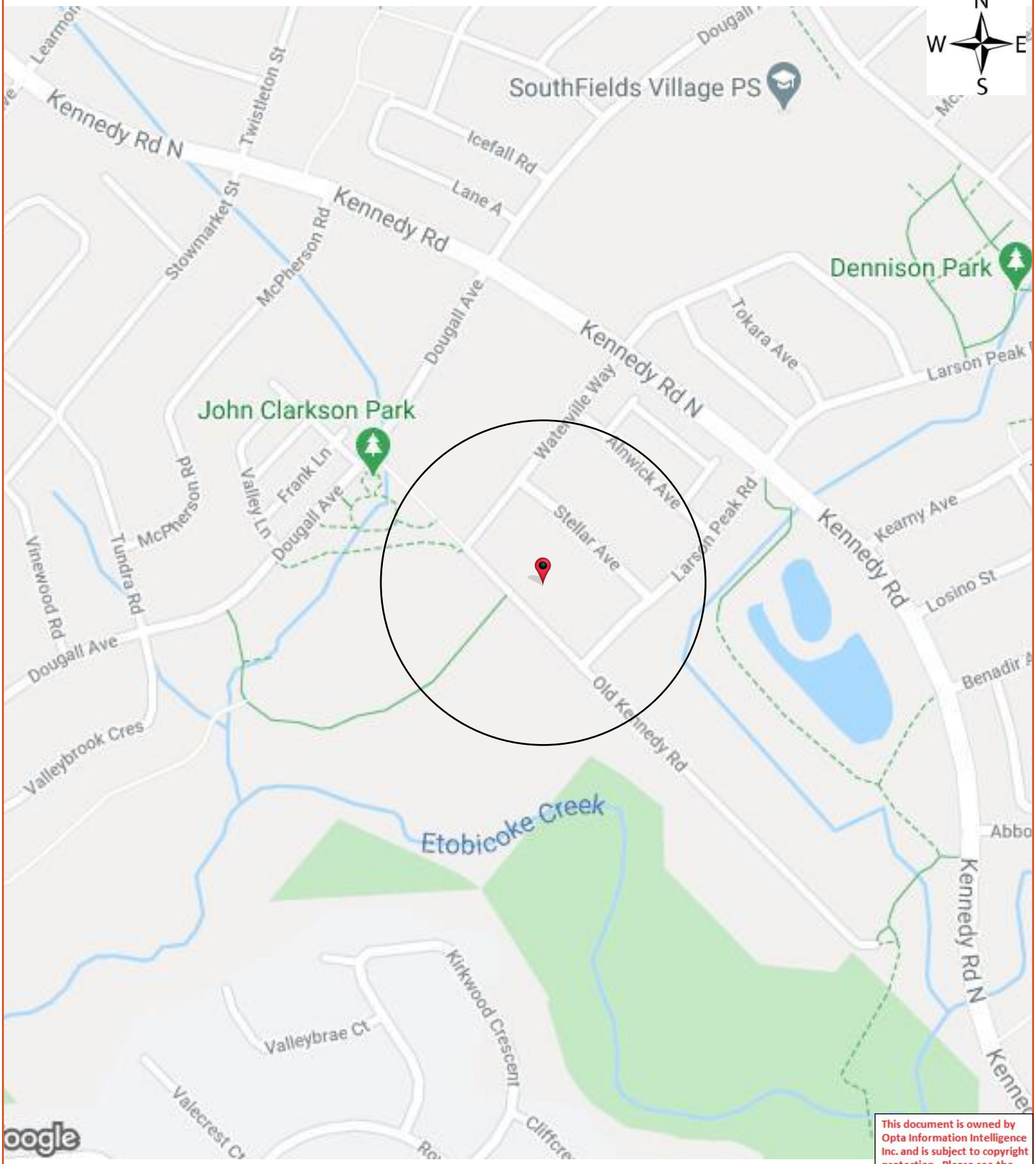
Project #: 20302700327
P.O. #: FEP 2010692

ENVIROSCAN Report

Search Area: 12507 Old Kennedy Road Caledon ON

Requested by:
Eleanor Goolab
Date Completed: 11/02/2020 09:25:12

enviroscan
OPTA INFORMATION INTELLIGENCE



Project Name: 12507 Old Kennedy Road Caledon ON

Project #: 20302700327
P.O. #: FEP 2010692

ENVIROSCAN Report

Opta Historical Environmental Services Enviroscan Terms and Conditions

Requested by:
Eleanor Goolab
Date Completed: 11/02/2020 09:25:12

enviroscan
OPTA INFORMATION INTELLIGENCE

Opta Historical Environmental Services Enviroscan™ Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

Project Name: 12507 Old Kennedy Road Caledon ON

Project #: 20302700327
P.O. #: FEP 2010692

ENVIROSCAN Report

No Records Found

Requested by:
Eleanor Goolab
Date Completed: 11/02/2020 09:25:12

enviroscan
OPTA INFORMATION INTELLIGENCE

No Records Found

opta INFORMATION INTELLIGENCE

12507 Old Kennedy Road,Caledon, Peel,Caledon | Search radius: 250 m

Please select all Fire Insurance Plans and Inspection Reports that you would like to order. Fire Insurance Plans, if available, are listed on the left-hand sidebar, and priced according to Plan Number & Year. Inspection Reports, if available, are shown as blue flags on the map in their approximate location, and are pre-selected for you in the left-hand sidebar (feel free to de-select them).
At the bottom left corner is your Order Summary.

Order Specifications

Search radius: 250m

Project Name	12507 Old Kennedy Road C
Project Number	20302700327
P.O. Number	FEP 2010692

Fire Insurance Plans

No Fire Insurance Plan maps found in the Opta online inventory.

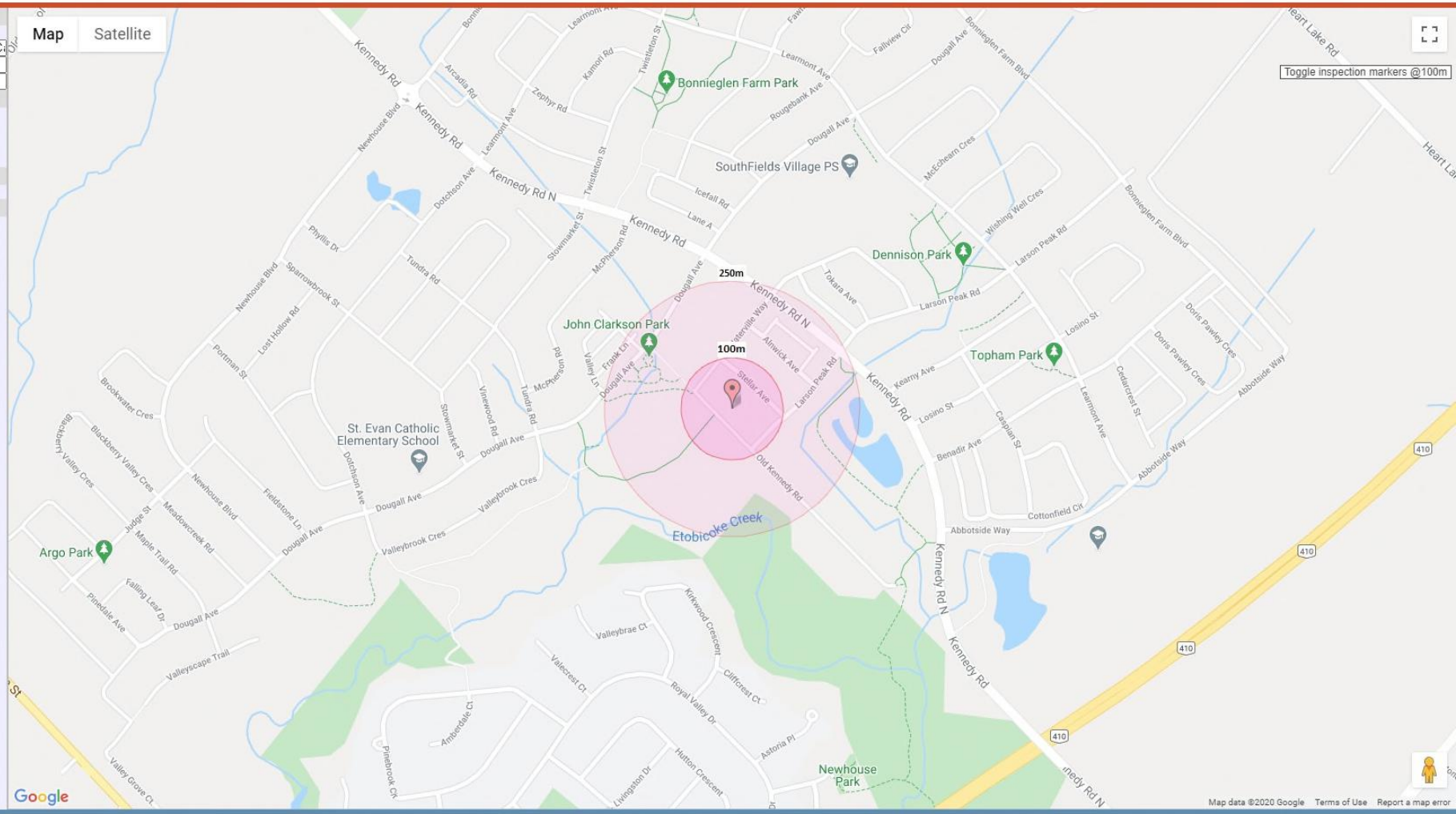
Inspection Reports

No inspection reports selected

Order Summary

Infrastructure Fee	$ 50
Rush Fee	$ 0
0 Inspection reports	$ 0
Sub-total before taxes	$ 50

Confirm Selection



CHAIN OF TITLE REPORT

Project #: FE-P 20-10692
Address: 12507 Old Kennedy Rd., Caledon
Legal Description: Part Lot 20 Con 2 EHS Chinguacousy as in RO1143343

Searched at: Brampton
LRO #: 43

PIN #: 14235-0639 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
4795	Deed	22 02 1884	Samuel Heath	Charles OLLIFF
GR4293	Will	26 06 1933	Charles C. Olliff - Estate	James OLLIFF
17793	Deed	28 02 1938	James Olliff exor for Charles C. Olliff - Estate	James H. OLLIFF
25650	Deed	18 04 1958	James H. Olliff	David E. CAMPBELL
120304 vs	Deed	05 09 1969	David E. Campbell	The Director, The Veterans' Land Act
694948	Deed	01 10 1984	The Director, The Veterans' Land Act	Ronald B. LEADBETTER
694949	Deed	01 10 1984	Ronald B. Leadbetter	James ROWLAND
929072	Deed	23 02 1990	James Rowland	Allan Lorne BURGESS & Gisele Marie BURGESS
RO1143343	Deed	30 05 1997	Allan Lorne Burgess & Gisele Marie Burgess	Earlen David FOSTER
PR2885275	Deed (Present Owner)	21 03 2016	Earlen David Foster	**Navinder Singh LAL**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #43

14235-0639 (LT)

PREPARED FOR bertucci1
ON 2020/11/11 AT 20:42:23

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

PROPERTY DESCRIPTION: PT LT 20 CON 2 EHS CHINGUACOUSY AS IN RO1143343 ; CALEDON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 14235-1164

PIN CREATION DATE:
1999/03/25

OWNERS' NAMES
LAL, NAVINDER SINGH

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/06/24 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1999/03/25						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1999/03/25 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 1999/03/26 **						
RO1143343	1997/05/30	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	FOSTER, EARLEN DAVID	
RO1143344	1997/05/30	CHARGE		*** COMPLETELY DELETED ***	ROYAL BANK OF CANADA	
PR1691995	2009/08/25	CHARGE		*** COMPLETELY DELETED *** FOSTER, EARLEN DAVID	ROYAL BANK OF CANADA	
PR1692331	2009/08/26	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYAL BANK OF CANADA		
REMARKS: RO1143344.						
PR2885275	2016/03/21	TRANSFER	$612,500	FOSTER, EARLEN DAVID	LAL, NAVINDER SINGH	C
PR2885276	2016/03/21	CHARGE	$564,480	LAL, NAVINDER SINGH	STREET CAPITAL FINANCIAL CORPORATION	C

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.

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND
REGISTRY
OFFICE #43

14235-0639 (LT)

PREPARED FOR bertucci1
ON 2020/11/11 AT 20:42:23

* 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
PR2885278	2016/03/21	APL (GENERAL)		*** COMPLETELY DELETED *** LAL, NAVINDER SINGH		
	REMARKS: TO DELETE S/T EXECUTIONS 95-05059 & 97-01922 FROM THUMBNAIL DESCRIPTION					
PR2896240	2016/04/12	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYAL BANK OF CANADA		
	REMARKS: PR1691995.					
PR2997380	2016/09/28	TRANSFER OF CHARGE		STREET CAPITAL FINANCIAL CORPORATION	COMPUTERSHARE TRUST COMPANY OF CANADA	C
	REMARKS: PR2885276.					
PR3132478	2017/05/25	CHARGE		*** COMPLETELY DELETED *** LAL, NAVINDER SINGH	923944 ONTARIO LTD.	
PR3471161	2019/04/24	CHARGE	$350,000	LAL, NAVINDER SINGH	GILL, HARPAL GILL, JIWANJOT	C
PR3471375	2019/04/24	DISCH OF CHARGE		*** COMPLETELY DELETED *** 923944 ONTARIO LTD.		
	REMARKS: PR3132478.					

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.

ServiceOntario

PRINTED ON 11 NOV, 2020 AT 20:44:07
FOR BERTUCCI1

SCALE

0 30 meters

PROPERTY INDEX MAP

PEEL(No. 43)

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

Ontario

FISHER ENVIRONMENTAL LTD.
400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2
Tel: 905 475-7755
Fax: 905 475-7718

NORTH

N

LEGEND

PROPERTY BOUNDARY

PROJECT NAME AND ADDRESS

PHASE ONE ESA

12507 Old Kennedy Rd,
Caledon, ON

FIGURE E.1:

AERIAL PHOTOGRAPH 1954

PROJECT NO.	SHEET NO.
FE-P 20-10692	E.1
DATE: 25 November 2020	
SCALE: AS SHOWN	

FISHER ENVIRONMENTAL LTD.

400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2

Tel: 905 475-7755
Fax: 905 475-7718

NORTH

N

LEGEND

PROPERTY BOUNDARY

PROJECT NAME AND ADDRESS

PHASE ONE ESA

12507 Old Kennedy Rd,
Caledon, ON

FIGURE E.6:

AERIAL PHOTOGRAPH 1969

PROJECT NO.	SHEET NO.
FE-P 20-10692	E.2
DATE: 25 November 2020	
SCALE: AS SHOWN	

FISHER ENVIRONMENTAL LTD.

400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2

Tel: 905 475-7755
Fax: 905 475-7718

NORTH

N

LEGEND

PROPERTY BOUNDARY

PROJECT NAME AND ADDRESS

PHASE ONE ESA

12507 Old Kennedy Rd,
Caledon, ON

FIGURE E.6:

AERIAL PHOTOGRAPH 1985

PROJECT NO.	SHEET NO.
FE-P 20-10692	E.3
DATE: 25 November 2020	
SCALE: AS SHOWN	

FISHER ENVIRONMENTAL LTD.
400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2
Tel: 905 475-7755
Fax: 905 475-7718

NORTH

N

LEGEND

PROPERTY BOUNDARY

PROJECT NAME AND ADDRESS

PHASE ONE ESA

12507 Old Kennedy Rd,
Caledon, ON

FIGURE E.6:

AERIAL PHOTOGRAPH 2001

PROJECT NO.	SHEET NO.
FE-P 20-10692	E.4
DATE: 25 November 2020	
SCALE: AS SHOWN	

FISHER ENVIRONMENTAL LTD.
400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2
Tel: 905 475-7755
Fax: 905 475-7718

NORTH

N

LEGEND

PROPERTY BOUNDARY

PROJECT NAME AND ADDRESS

PHASE ONE ESA

12507 Old Kennedy Rd,
Caledon, ON

FIGURE E.6:

AERIAL PHOTOGRAPH 2011

PROJECT NO.	SHEET NO.
FE-P 20-10692	E.5
DATE: 25 November 2020	
SCALE: AS SHOWN	

FISHER ENVIRONMENTAL LTD.
400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2
Tel: 905 475-7755
Fax: 905 475-7718

NORTH

N

LEGEND

PROPERTY BOUNDARY

PROJECT NAME AND ADDRESS

PHASE ONE ESA

12507 Old Kennedy Rd,
Caledon, ON

FIGURE E.6:

AERIAL PHOTOGRAPH 2019

PROJECT NO.	SHEET NO.
FE-P 20-10692	E.6
DATE: 25 November 2020	
SCALE: AS SHOWN	

APPENDIX B – ERIS REPORT, DOCUMENTATION OF INTERVIEW, SITE PHOTOGRAPHS, AND OTHER SOURCE INFORMATION

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*12507 Old Kennedy Road, Caledon, ON* *12507 Old Kennedy Road* *Caledon ON L7C 2E9*
Project No:	*FE-P 20-10692*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*20302700327*
Requested by:	*Fisher Environmental*
Date Completed:	*October 30, 2020*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*12507 Old Kennedy Road, Caledon, ON* *12507 Old Kennedy Road Caledon ON L7C 2E9*
Project No:	*FE-P 20-10692*

Order Information:

Order No:	*20302700327*
Date Requested:	*October 27, 2020*
Requested by:	*Fisher Environmental*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

City Directory Search	*CD - Subject Site plus 5 Adjacent Properties*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	1	1
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	4	5
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	2	2
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	4	4
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	1	1
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	3	3
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	2	15	17
	Total:		3	30	33

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		12507 Old Kennedy Rd Caledon ON L7C2G9	WNW/0.0	0.00	17
2	WWIS		12507 OLD KENNEDY RD Caledon ON ***Well ID:*** 7215875	E/0.0	0.00	17
3	WWIS		12507 OLD KENNEDY RD lot 20 con 2 CALEDON ON ***Well ID:*** 7200793	W/0.0	0.00	20

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
4	WWIS		lot 20 con 1 ON ***Well ID:*** 4903302	SW/34.6	-0.01	22
5	PINC		WATERVILLE WAY & OLD KENNEDY RD, CALEDON ON	WNW/48.1	0.00	25
5	SPL		Waterville Way and Old Kennedy Rd Caledon ON	WNW/48.1	0.00	26
6	WWIS		lot 20 con 2 ON ***Well ID:*** 4901244	ESE/92.3	-0.27	26
7	WWIS		lot 20 con 2 ON ***Well ID:*** 4901242	SE/116.0	0.70	29
8	PINC		23 LARSON PEAK ROAD, PEEL ON	E/123.2	0.00	31
9	WWIS		12429 OLD KENNEDY RD lot 20 con 2 CALEDON ON ***Well ID:*** 7200792	SE/125.4	0.70	32
10	BORE		 ON	WNW/132.4	-2.52	34
11	EHS		Kennedy Rd Dougall Ave Caledon ON	NNW/135.1	0.69	35
12	EHS		Kennedy Rd & Waterville Way Caledon ON	NNW/142.9	0.94	35
13	WWIS		12449 OLD KENNEDY RD lot 20 con 2 CALEDON ON ***Well ID:*** 7211039	SE/146.2	-0.73	35
14	WWIS		12516 KENNEDY RD lot 20 con 1 CALEDON ON	WSW/149.5	-3.21	37

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 4909809			
15	WWIS		lot 20 con 2 ON ***Well ID:*** 7201369	NW/152.9	-0.08	39
16	WWIS		12516 KENNEDY RD lot 20 con 1 Caledon ON ***Well ID:*** 7164723	WSW/154.1	-2.22	41
17	WWIS		12551 OLD KENNEDY RD lot 20 con 2 Caledon ON ***Well ID:*** 7201367	NW/154.7	-0.24	43
18	WWIS		lot 20 con 2 ON ***Well ID:*** 7201368	NW/161.8	0.00	45
19	EHS		12516 Kennedy Road Caledon ON L7C 2E9	WNW/162.8	-3.80	47
20	RSC	Markus Knecht	12606 KENNEDY RD, CALEDON, ON, L7C 2E9, ON L7C 2E9	WNW/163.4	-2.66	47
21	WWIS		OLD KENNEDY RD. IN NORTHBOUND LANE 5 METERS SOUTH OF DOUGALL AVE Caledon ON ***Well ID:*** 7212543	WNW/170.2	-2.89	48
22	EHS		n/a Caledon ON L7C 2H1	N/171.7	2.88	51
23	WWIS		12551 KENNEDY RD Caledon ON ***Well ID:*** 7230220	WNW/194.0	-2.90	51
24	SPL	Enbridge Gas Distribution Inc.	12560 Kennedy Road Caledon ON	NW/226.2	-0.06	53
25	PINC		12570 KENNEDY ROAD, CALEDON ON	NW/228.2	-2.73	54
25	SPL		12570 Kennedy Road Caledon ON	NW/228.2	-2.73	54

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
25	GEN	Caledon Dental Center	#10 - 12570 Kennedy Rd Caledon ON L7C4C4	NW/228.2	-2.73	55
25	GEN	Caledon Dental Center	#10 - 12570 Kennedy Rd Caledon ON L7C4C4	NW/228.2	-2.73	55
26	WWIS		12420 OLD KENNEDY RD lot 20 con 1 Caledon ON ***Well ID:*** 7201361	SSE/233.4	-3.65	55
27	WWIS		lot 20 con 2 ON ***Well ID:*** 4901241	ESE/234.2	-3.27	58
28	PINC		12457 Kennedy Road Caledon ON	ENE/234.6	1.71	60
29	WWIS		lot 20 con 1 ON ***Well ID:*** 4906298	WNW/249.1	1.06	60

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	132.4	10

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2020 has found that there are 5 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	12507 Old Kennedy Rd Caledon ON L7C2G9	0.0	1
	Kennedy Rd Dougall Ave Caledon ON	135.1	11
	Kennedy Rd & Waterville Way Caledon ON	142.9	12
	12516 Kennedy Road Caledon ON L7C 2E9	162.8	19
	n/a Caledon ON L7C 2H1	171.7	22

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 2 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Caledon Dental Center	#10 - 12570 Kennedy Rd Caledon ON L7C4C4	228.2	25
Caledon Dental Center	#10 - 12570 Kennedy Rd Caledon ON L7C4C4	228.2	25

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 4 PINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	WATERVILLE WAY & OLD KENNEDY RD, CALEDON ON	48.1	5
	23 LARSON PEAK ROAD, PEEL ON	123.2	8
	12570 KENNEDY ROAD, CALEDON ON	228.2	25
	12457 Kennedy Road Caledon ON	234.6	28

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Sep 2020 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Markus Knecht	12606 KENNEDY RD, CALEDON, ON, L7C 2E9, ON L7C 2E9	163.4	20

SPL - Ontario Spills

A search of the SPL database, dated 1988-Nov 2019 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

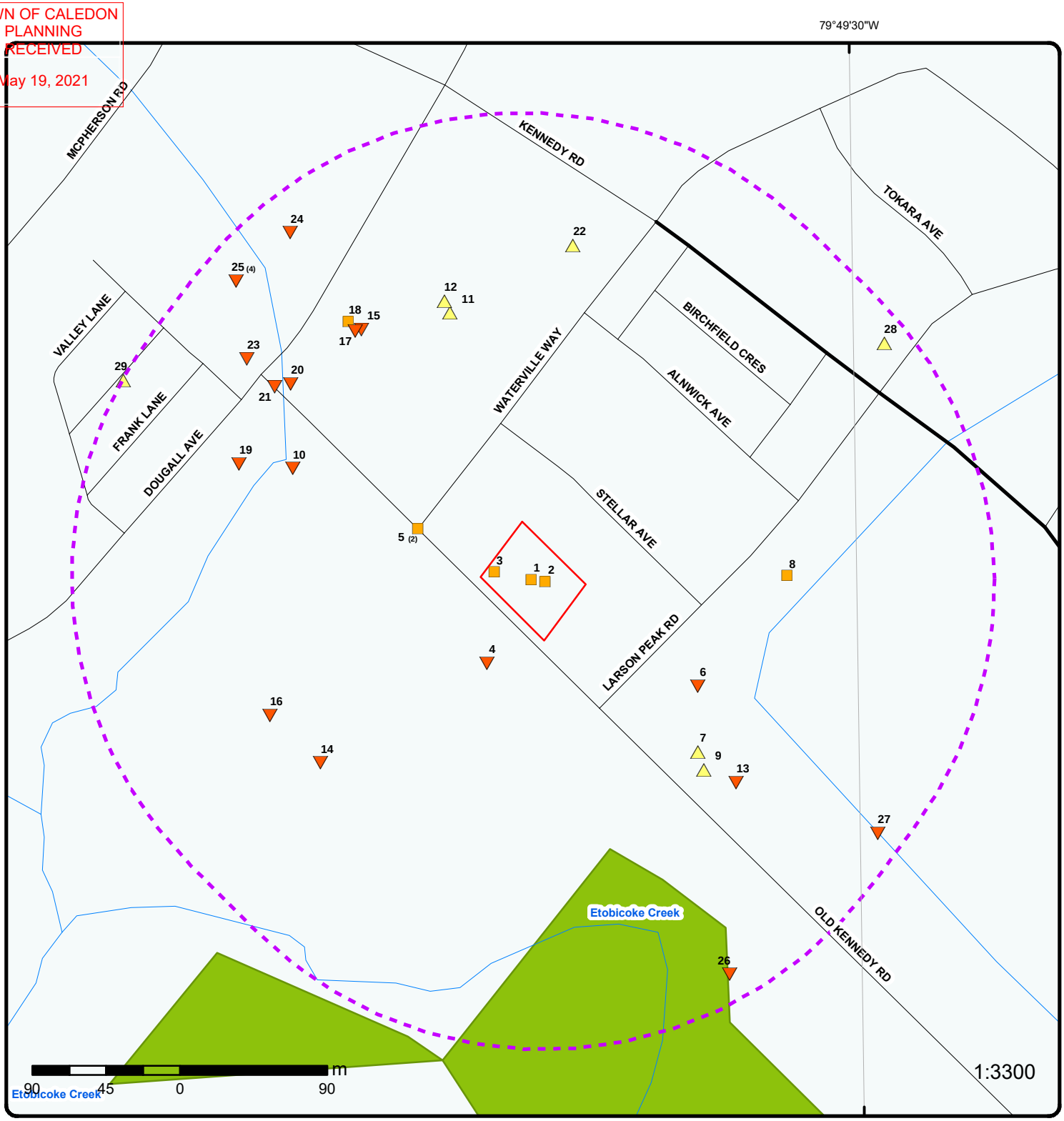
Site	Address	Distance (m)	Map Key
	Waterville Way and Old Kennedy Rd Caledon ON	48.1	5
Enbridge Gas Distribution Inc.	12560 Kennedy Road Caledon ON	226.2	24
	12570 Kennedy Road Caledon ON	228.2	25

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 17 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	12507 OLD KENNEDY RD Caledon ON ***Well ID:*** 7215875	0.0	2
	12507 OLD KENNEDY RD lot 20 con 2 CALEDON ON ***Well ID:*** 7200793	0.0	3
	lot 20 con 1 ON ***Well ID:*** 4903302	34.6	4
	lot 20 con 2 ON ***Well ID:*** 4901244	92.3	6
	lot 20 con 2 ON ***Well ID:*** 4901242	116.0	7
	12429 OLD KENNEDY RD lot 20 con 2 CALEDON ON ***Well ID:*** 7200792	125.4	9

Site	Address	Distance (m)	Map Key
	12449 OLD KENNEDY RD lot 20 con 2 CALEDON ON ***Well ID:*** 7211039	146.2	13
	12516 KENNEDY RD lot 20 con 1 CALEDON ON ***Well ID:*** 4909809	149.5	14
	lot 20 con 2 ON ***Well ID:*** 7201369	152.9	15
	12516 KENNEDY RD lot 20 con 1 Caledon ON ***Well ID:*** 7164723	154.1	16
	12551 OLD KENNEDY RD lot 20 con 2 Caledon ON ***Well ID:*** 7201367	154.7	17
	lot 20 con 2 ON ***Well ID:*** 7201368	161.8	18
	OLD KENNEDY RD. IN NORTHBOUND LANE 5 METERS SOUTH OF DOUGALL AVE Caledon ON ***Well ID:*** 7212543	170.2	21
	12551 KENNEDY RD Caledon ON ***Well ID:*** 7230220	194.0	23
	12420 OLD KENNEDY RD lot 20 con 1 Caledon ON ***Well ID:*** 7201361	233.4	26
	lot 20 con 2 ON ***Well ID:*** 4901241	234.2	27
	lot 20 con 1 ON ***Well ID:*** 4906298	249.1	29



Map : 0.25 Kilometer Radius

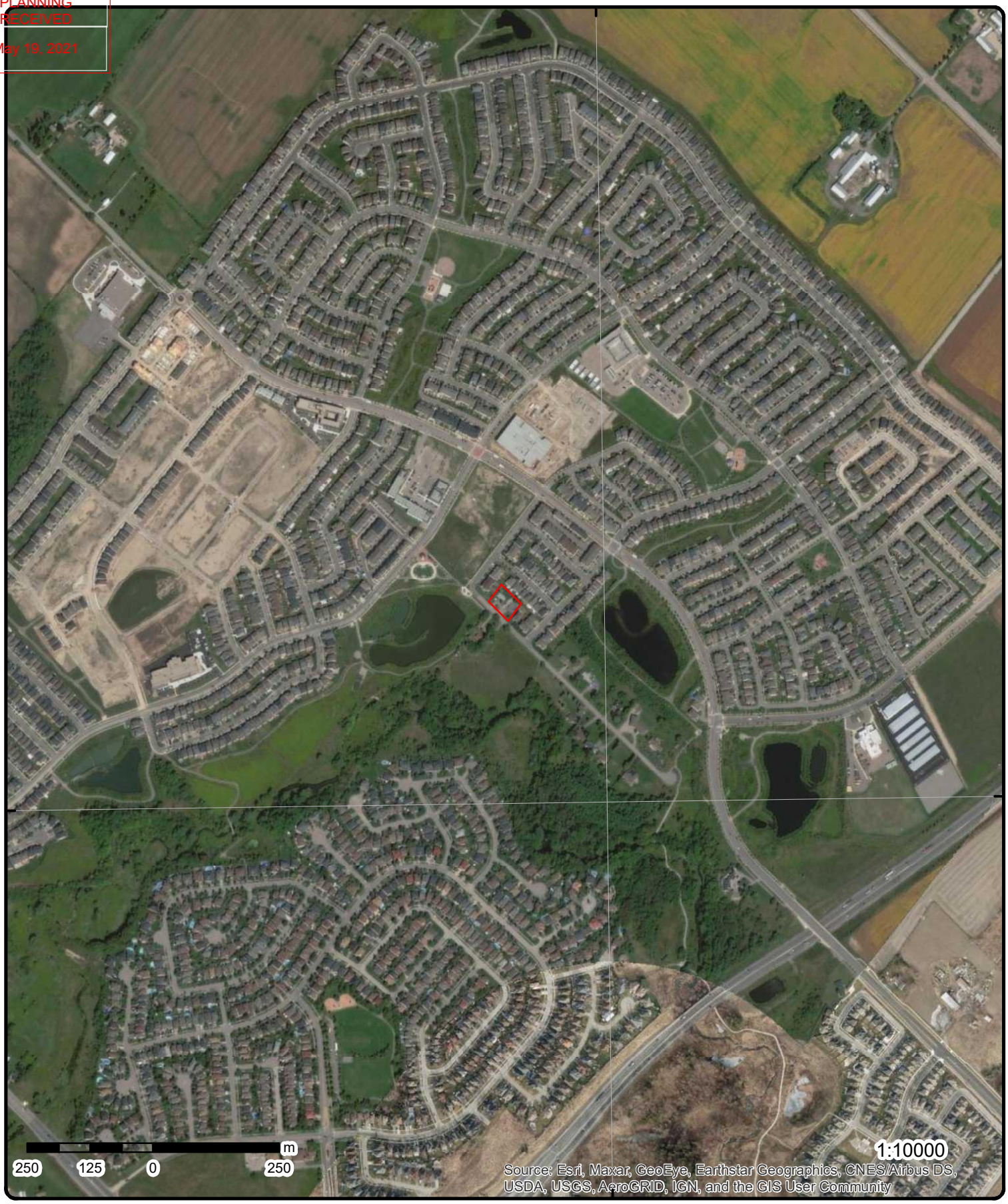
Order Number: 20302700327

Address: 12507 Old Kennedy Road, Caledon, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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		Other Recreation Area
	Proposed Road		
	Ferry Route/Ice Road		

79°49'30"W



Aerial

Year: 2019

Address: 12507 Old Kennedy Road, Caledon, ON

Source: ESRI World Imagery

Order Number: 20302700327

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Map

Address: 12507 Old Kennedy Road, ON

Source: ESRI World Topographic Map

Order Number: 20302700327

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	WNW/0.0	264.9 / 0.00	12507 Old Kennedy Rd Caledon ON L7C2G9	EHS

Order No:	20131018012	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	23-OCT-13	**Search Radius (km):**	.25
Date Received:	18-OCT-13	**X:**	-79.827511
Previous Site Name:		**Y:**	43.753599
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	E/0.0	264.9 / 0.00	12507 OLD KENNEDY RD Caledon ON	WWIS

Well ID:	7215875	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	2/5/2014
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7247
Casing Material:		**Form Version:**	7
Audit No:	Z176685	**Owner:**	
Tag:	A152919	**Street Name:**	12507 OLD KENNEDY RD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7215875.pdf

Bore Hole Information

Bore Hole ID:	1004704430	**Elevation:**	265.799224
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	594400
Code OB Desc:		**North83:**	4845173
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	10/29/2013	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1005072278
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	21
Most Common Material:	GRANITE
Mat2:	01
Mat2 Desc:	FILL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005072279
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Mat2 Desc:	SAND
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	1
Formation End Depth:	2.5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005072280
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Mat2 Desc:	SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	2.5
Formation End Depth:	20
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005072288
Layer:	1
Plug From:	0
Plug To:	8

Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1005072287
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1005072277
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005072283
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	10
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005072284
Layer:	1
Slot:	10
Screen Top Depth:	10
Screen End Depth:	20
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.125

Water Details

Water ID:	1005072282
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	18
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005072281
Diameter:	8.125
Depth From:	0
Depth To:	20
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	W/0.0	264.9 / 0.00	12507 OLD KENNEDY RD lot 20 con 2 CALEDON ON	WWIS

Well ID: 7200793
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Quality
Water Type:
Casing Material:
Audit No: Z142333
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 4/25/2013
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7147
Form Version: 7
Owner:
Street Name: 12507 OLD KENNEDY RD
County: PEEL
Municipality: CALEDON TOWN (CHINGUACOUSY)
Site Info:
Lot: 020
Concession: 02
Concession Name: HS E
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1004277838
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 4/13/2013
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 265.402679
Elevrc:
Zone: 17
East83: 594369
North83: 4845179
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1004845087
Layer: 3
Plug From: 2.8
Plug To: 14.6
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004845088
Layer: 4
Plug From: 14.6
Plug To: 15.2
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID:	1004845085
Layer:	1
Plug From:	0
Plug To:	2.2
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004845086
Layer:	2
Plug From:	2.2
Plug To:	2.8
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004845084
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1004845078
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004845082
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	0
Depth To:	15.2
Casing Diameter:	90
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004845083
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	1004845081
Layer:	1

Kind Code: 1
Kind: FRESH
Water Found Depth: 4
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004845080
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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4 | **1 of 1** | **SW/34.6** | **264.9 / -0.01** | **lot 20 con 1 ON** | **WWIS**

Well ID: 4903302
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/10/1969
Selected Flag: Yes
Abandonment Rec:
Contractor: 4813
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: CALEDON TOWN (CHINGUACOUSY)
Site Info:
Lot: 020
Concession: 01
Concession Name: HS E
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4903302.pdf

Bore Hole Information

Bore Hole ID: 10318141
DP2BR: 96
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/25/1969
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 264.734741
Elevrc:
Zone: 17
East83: 594364.5
North83: 4845123
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 932041127

Layer:	4
Color:	2
General Color:	GREY
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	92
Formation End Depth:	96
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932041128
Layer:	5
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	96
Formation End Depth:	138
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932041126
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	70
Formation End Depth:	92
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932041125
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	70
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932041124
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964903302
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10866711
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930525566
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	138
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930525565
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	96
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994903302
Pump Set At:	

Static Level:	70
Final Level After Pumping:	134
Recommended Pump Depth:	95
Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934255776
Test Type:	Draw Down
Test Duration:	15
Test Level:	130
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934784452
Test Type:	Draw Down
Test Duration:	45
Test Level:	134
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935049366
Test Type:	Draw Down
Test Duration:	60
Test Level:	134
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934530313
Test Type:	Draw Down
Test Duration:	30
Test Level:	134
Test Level UOM:	ft

Water Details

Water ID:	933791319
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	96
Water Found Depth UOM:	ft

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5 | ***1 of 2*** | ***WNW/48.1*** | ***264.9 / 0.00*** | ***WATERVILLE WAY & OLD KENNEDY RD, CALEDON ON*** | ***PINC***

Incident ID: ***Health Impact:***

Incident No:	2026194	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	No
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	
Fuel Occurrence Tp:		**Enforce Policy:**	Yes
Fuel Type:		**Public Relation:**	
Tank Status:	RC Established	**Pipeline System:**	
Task No:	6634462	**Depth:**	
Spills Action Centre:		**Pipe Material:**	
Method Details:	E-mail	**PSIG:**	
Fuel Category:	Natural Gas	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:		**Regulator Location:**	
Occurrence Start Date:	2017/02/16		
Operation Type:			
Pipeline Type:			
Regulator Type:			

Summary: WATERVILLE WAY & OLD KENNEDY RD, CALEDON - PIPELINE HIT - 2"
Reported By: Amanda Sexton - ENBRIDGE
Affiliation:
Occurrence Desc:
Damage Reason: Excavation practices not sufficient
Notes:

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5 | **2 of 2** | **WNW/48.1** | **264.9 / 0.00** | **Waterville Way and Old Kennedy Rd Caledon ON** | **SPL**

Ref No:	7342-AJLMQG	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2/15/2017	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	Waterville Way and Old Kennedy Rd
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Caledon
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2/15/2017	**Site Map Datum:**	
Dt Document Closed:	2/18/2017	**SAC Action Class:**	Air Spills - Gases and Vapours
Incident Reason:	Operator/Human Error	**Source Type:**	
Site Name:	Enbridge: 2" main gasline<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: TSSA/Enbridge: 2" main gasline damaged
Contaminant Qty: 0 other - see incident description

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6 | **1 of 1** | **ESE/92.3** | **264.6 / -0.27** | **lot 20 con 2 ON** | **WWIS**

Well ID:	4901244	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/2/1962
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1307
Casing Material:		**Form Version:**	1

Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	020
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901244.pdf

Bore Hole Information

Bore Hole ID:	10316090	***Elevation:***	265.878021
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	594493.5
Code OB Desc:	Overburden	***North83:***	4845109
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	7/16/1962	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932033449
Layer:	3
Color:	2
General Color:	GREY
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	53
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033448
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	

Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 53
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932033447
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964901244
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10864660
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930522604
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 55
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 994901244
Pump Set At:
Static Level: 40
Final Level After Pumping:
Recommended Pump Depth: 50
Pumping Rate: 2
Flowing Rate:
Recommended Pump Rate: 2
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933789208
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55
Water Found Depth UOM:	ft

---

7 | ***1 of 1*** | ***SE/116.0*** | ***265.6 / 0.70*** | ***lot 20 con 2 ON*** | ***WWIS***

Well ID:	4901242	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/3/1958
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1307
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	020
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901242.pdf

Bore Hole Information

Bore Hole ID:	10316088	***Elevation:***	266.079345
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	594493.5
Code OB Desc:	Overburden	***North83:***	4845069
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	5/6/1958	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932033440
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	38
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033439
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033441
Layer:	3
Color:	
General Color:	
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	38
Formation End Depth:	40
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964901242
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10864658
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930522602
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	40
Casing Diameter:	36
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994901242
Pump Set At:	
Static Level:	15
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933789206
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40
Water Found Depth UOM:	ft

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8 | ***1 of 1*** | ***E/123.2*** | ***264.9 / 0.00*** | ***23 LARSON PEAK ROAD, PEEL ON*** | ***PINC***

Incident ID:	2785152	***Health Impact:***	No
Incident No:	628472	***Environment Impact:***	No
Type:	FS-Pipeline Incident	***Property Damage:***	Yes
Status Code:	Pipeline Damage Reason Est	***Service Interupt:***	Yes
Fuel Occurrence Tp:	Pipeline Strike	***Enforce Policy:***	Yes
Fuel Type:	Natural Gas	***Public Relation:***	No
Tank Status:	RC Established	***Pipeline System:***	
Task No:	3420410	***Depth:***	
Spills Action Centre:	N/A	***Pipe Material:***	Plastic
Method Details:	E-mail	***PSIG:***	
Fuel Category:	Natural Gas	***Attribute Category:***	FS-Perform P-line Inc Invest
Date of Occurrence:	7/5/2011 0:00	***Regulator Location:***	
Occurrence Start Date:	2011/07/21		
Operation Type:	Construction Site (pipeline strike)		
Pipeline Type:	Main Distribution Pipeline		
Regulator Type:			
Summary:	23 LARSON PEAK ROAD, PEEL - 1 1/4" PIPELINE HIT		

Reported By:	VITO IMINEO - ENBRIDGE GAS DISTRIBUTION INC.
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
Occurrence Desc:	MAIN DAMAGED BY T BAR PRESSING DOWN
Damage Reason:	Excavation practices not sufficient
Notes:	DAMAGED BY BACKFILLING

9 | **1 of 1** | **SE/125.4** | **265.6 / 0.70** | **12429 OLD KENNEDY RD lot 20 con 2 CALEDON ON** | **WWIS**

Well ID:	7200792	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	4/25/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7147
Casing Material:		**Form Version:**	7
Audit No:	Z142332	**Owner:**	
Tag:		**Street Name:**	12429 OLD KENNEDY RD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	020
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	HS E
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1004277834	**Elevation:**	265.665893
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	594497
Code OB Desc:		**North83:**	4845058
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	4/13/2013	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1004845031
Layer:	4
Plug From:	10.9
Plug To:	11.5
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID: 1004845029
Layer: 2
Plug From: 2.2
Plug To: 2.8
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004845028
Layer: 1
Plug From: 0
Plug To: 2.2
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004845030
Layer: 3
Plug From: 2.8
Plug To: 10.9
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004845027
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1004845021
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004845025
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From: 0
Depth To: 11.5
Casing Diameter: 90
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004845026
Layer: 1
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m

Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1004845024
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 4.6
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004845023
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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10 ***1 of 1*** ***WNW/132.4*** ***262.3 / -2.52*** ***ON*** ***BORE***

Borehole ID:	590661	***Inclin FLG:***	No
OGF ID:	215501256	***SP Status:***	Initial Entry
Status:	Unknown	***Surv Elev:***	No
Type:	Outcrop	***Piezometer:***	No
Use:		***Primary Name:***	OGS-OLW-62-1443
Completion Date:		***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	43.754228
Total Depth m:	1.5	***Longitude DD:***	-79.829309
Depth Ref:	Ground Surface	***UTM Zone:***	17
Depth Elev:		***Easting:***	594246
Drill Method:		***Northing:***	4845242
Orig Ground Elev m:	264	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	262		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218339281	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	1.5	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Till	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	Di si sa **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Ontario Geological Survey	***Source Iden:***	6

Source Date:	Varies to 2004	**Scale or Res:**	1:50,000
Confidence:	H	**Horizontal:**	NAD83
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Ontario Geological Survey Fieldwork Mapping		
Source Details:	YPDT Master Database A: 666367540		
Confiden 1:	Location taken from OGS 1:50,000 maps by CAMC staff or consultants.		

Source List

Source Identifier:	6	**Horizontal Datum:**	NAD83
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	Varies to 2004	**Projection Name:**	Universal Transvers Mercator
Scale or Resolution:	1:50,000		
Source Name:	Ontario Geological Survey Fieldwork Mapping		
Source Originators:	Ontario Geological Survey		

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11 | ***1 of 1*** | ***NNW/135.1*** | ***265.6 / 0.69*** | ***Kennedy Rd Dougall Ave Caledon ON*** | ***EHS***

Order No:	20180302307	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	09-MAR-18	**Search Radius (km):**	.25
Date Received:	02-MAR-18	**X:**	-79.828101
Previous Site Name:		**Y:**	43.755075
Lot/Building Size:			
Additional Info Ordered:			

---

12 | ***1 of 1*** | ***NNW/142.9*** | ***265.8 / 0.94*** | ***Kennedy Rd & Waterville Way Caledon ON*** | ***EHS***

Order No:	20170418182	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	25-APR-17	**Search Radius (km):**	.25
Date Received:	18-APR-17	**X:**	-79.828141
Previous Site Name:		**Y:**	43.755139
Lot/Building Size:			
Additional Info Ordered:			

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13 | ***1 of 1*** | ***SE/146.2*** | ***264.1 / -0.73*** | ***12449 OLD KENNEDY RD lot 20 con 2 CALEDON ON*** | ***WWIS***

Well ID:	7211039	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	11/8/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	
Water Type:		**Contractor:**	7147
Casing Material:		**Form Version:**	7
Audit No:	Z180478	**Owner:**	
Tag:		**Street Name:**	12449 OLD KENNEDY RD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	020
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	HS E
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	

Flow Rate:
Clear/Cloudy:

UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1004630636	***Elevation:***	264.637725
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	594517
Code OB Desc:		***North83:***	4845050
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	10/25/2013	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1004889866
Layer:	3
Plug From:	2.8
Plug To:	7.3
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004889865
Layer:	2
Plug From:	2.2
Plug To:	2.8
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004889864
Layer:	1
Plug From:	0
Plug To:	2.2
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004889867
Layer:	4
Plug From:	7.3
Plug To:	7.9
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID: 1004889863
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1004889857
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004889861
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From: 0
Depth To: 7.9
Casing Diameter: 90
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004889862
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1004889860
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 4.9
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004889859
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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14 | ***1 of 1*** | ***WSW/149.5*** | ***261.7 / -3.21*** | ***12516 KENNEDY RD lot 20 con 1 CALEDON ON*** | ***WWIS***

Well ID: 4909809
Construction Date:
Primary Water Use: Domestic
Data Entry Status:
Data Src:
Date Received: 7/5/2005

Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Quality	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	4868
Casing Material:		***Form Version:***	3
Audit No:	Z28859	***Owner:***	
Tag:		***Street Name:***	12516 KENNEDY RD
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	020
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4909809.pdf

Bore Hole Information

Bore Hole ID:	11323542	***Elevation:***	260.539733
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	_	***East83:***	594263
Code OB Desc:	No formation data	***North83:***	4845062
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	6/10/2005	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	964909809
Method Construction Code:	A
Method Construction:	Digging
Other Method Construction:	

Pipe Information

Pipe ID:	11338397
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930866597
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	0
Depth To:	11.28
Casing Diameter:	76

Casing Diameter UOM: cm
Casing Depth UOM: m

Hole Diameter

Hole ID: 11543427
Diameter: 76
Depth From: 0
Depth To: 11.28
Hole Depth UOM: m
Hole Diameter UOM: cm

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15 | ***1 of 1*** | ***NW/152.9*** | ***264.8 / -0.08*** | ***lot 20 con 2 ON*** | ***WWIS***

Well ID: 7201369
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z142346
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 5/8/2013
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7147
Form Version: 7
Owner:
Street Name:
County: PEEL
Municipality: CALEDON TOWN (CHINGUACOUSY)
Site Info:
Lot: 020
Concession: 02
Concession Name: HS E
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1004290591
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 5/3/2013
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 264.547576
Elevrc:
Zone: 17
East83: 594288
North83: 4845327
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1006358870
Layer: 1
Plug From: 0

Plug To:	3.6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004797036
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1004797030
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004797034
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3.6
Casing Diameter:	3.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004797035
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	1004797033
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	2.5
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004797032
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	1 of 1	WSW/154.1	262.6 / -2.22	12516 KENNEDY RD lot 20 con 1 Caledon ON	WWIS

Well ID: 7164723
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z122282
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 7/4/2011
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 3030
Form Version: 7
Owner:
Street Name: 12516 KENNEDY RD
County: PEEL
Municipality: CALEDON TOWN (CHINGUACOUSY)
Site Info:
Lot: 020
Concession: 01
Concession Name: HS E
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7164723.pdf

Bore Hole Information

Bore Hole ID: 1003527128
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 4/20/2011
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 261.231231
Elevrc:
Zone: 17
East83: 594232
North83: 4845091
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1003820068
Layer: 3
Plug From: 8
Plug To: 23
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003820067
Layer: 2
Plug From: 6
Plug To: 8
Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID:	1003820069
Layer:	4
Plug From:	23
Plug To:	24
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1003820070
Layer:	5
Plug From:	24
Plug To:	67
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1003820066
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1003820064
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1003820056
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003820061
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	2
Depth To:	67
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003820062
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	

Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003820057
Pump Set At:
Static Level: 24
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Water Details

Water ID: 1003820060
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 24
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003820059
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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17 | ***1 of 1*** | ***NW/154.7*** | ***264.6 / -0.24*** | ***12551 OLD KENNEDY RD lot 20 con 2 Caledon ON*** | ***WWIS***

Well ID: 7201367
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z142347
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):

Data Entry Status:
Data Src:
Date Received: 5/8/2013
Selected Flag: Yes
Abandonment Rec:
Contractor: 7147
Form Version: 7
Owner:
Street Name: 12551 OLD KENNEDY RD
County: PEEL
Municipality: CALEDON TOWN (CHINGUACOUSY)
Site Info:
Lot: 020
Concession: 02
Concession Name: HS E
Easting NAD83:
Northing NAD83:
Zone:

Flow Rate:
Clear/Cloudy:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7201367.pdf

Bore Hole Information

Bore Hole ID:	1004290585	***Elevation:***	264.458526
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	594284
Code OB Desc:		***North83:***	4845326
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/3/2013	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1004797022
Layer:	4
Plug From:	9.4
Plug To:	10
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004797020
Layer:	2
Plug From:	2.2
Plug To:	2.8
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004797021
Layer:	3
Plug From:	2.8
Plug To:	9.4
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004797019
Layer:	1
Plug From:	0
Plug To:	2.2
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID: 1004797018
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1004797012
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004797016
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From: 0
Depth To: 10
Casing Diameter: 140
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004797017
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1004797015
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 1.6
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004797014
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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18 | ***1 of 1*** | ***NW/161.8*** | ***264.9 / 0.00*** | ***lot 20 con 2 ON*** | ***WWIS***

Well ID: 7201368
Construction Date:
Primary Water Use:
Data Entry Status:
Data Src:
Date Received: 5/8/2013

Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	7147
Casing Material:		***Form Version:***	7
Audit No:	Z142348	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	020
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1004290588	***Elevation:***	264.416748
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	594280
Code OB Desc:		***North83:***	4845332
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/3/2013	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1006358859
Layer:	1
Plug From:	0
Plug To:	3.6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004797029
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1004797023
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004797027
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3.6
Casing Diameter:	3.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004797028
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	1004797026
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	2.5
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004797025
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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19 | ***1 of 1*** | ***WNW/162.8*** | ***261.1 / -3.80*** | ***12516 Kennedy Road Caledon ON L7C 2E9*** | ***EHS***

Order No:	20110503009	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	5/11/2011	***Search Radius (km):***	0.25
Date Received:	5/3/2011 10:04:29 AM	***X:***	-79.831516
Previous Site Name:		***Y:***	43.752299
Lot/Building Size:			
Additional Info Ordered:			

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20 | ***1 of 1*** | ***WNW/163.4*** | ***262.2 / -2.66*** | ***Markus Knecht 12606 KENNEDY RD, CALEDON, ON, L7C 2E9, ON L7C 2E9*** | ***RSC***

RSC ID:	108533	***Cert Date:***	31-Jan-11
RA No:		***Cert Prop Use No:***	No CPU
RSC Type:		***Intended Prop Use:***	Residential

Curr Property Use:	Agriculture/Other	**Qual Person Name:**	
Ministry District:	CALEDON	**Stratified (Y/N):**	
Filing Date:	21-Jun-11	**Audit (Y/N):**	
Date Ack:		**Entire Leg Prop. (Y/N):**	Yes
Date Returned:		**Accuracy Estimate:**	21 to 100 meters
Restoration Type:		**Telephone:**	905-4501105
Soil Type:		**Fax:**	905-7961817
Criteria:		**Email:**	
CPU Issued Sect 1686:	No		

Asmt Roll No:	2.12413E+18
Prop ID No (PIN):	14235-1768 (LT)
Property Municipal Address:	12606 KENNEDY RD, CALEDON, ON, L7C 2E9,
Mailing Address:	4 WEST ST, BRAMPTON, ON, L5X 1V7
Latitude & Latitude:	43.75366180N 79.83380400W (converted from UTM)
UTM Coordinates:	NAD83 17-593885-4845174
Consultant:	
Legal Desc:	PT LT 21, CON 1 EHS (CHINGUACOUSY), DES PT 1, 43R-32677; CALEDON
Measurement Method:	Digitized from a satellite image
Applicable Standards:	Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
RSC PDF:	

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21 | ***1 of 1*** | ***WNW/170.2*** | ***262.0 / -2.89*** | ***OLD KENNEDY RD. IN NORTHBOUND LANE 5 METERS SOUTH OF DOUGALL AVE Caledon ON*** | ***WWIS***

Well ID:	7212543	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	12/10/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z182846	**Owner:**	
Tag:	A158953	**Street Name:**	OLD KENNEDY RD. IN NORTHBOUND LANE 5 METERS SOUTH OF DOUGALL AVE
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1004663415	**Elevation:**	263.62442
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	594235
Code OB Desc:		**North83:**	4845292
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	11/11/2013	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1005018479
Layer: 1
Color: 2
General Color: GREY
Mat1: 01
Most Common Material: FILL
Mat2: 06
Mat2 Desc: SILT
Mat3: 08
Mat3 Desc: FINE SAND
Formation Top Depth: 0
Formation End Depth: 2.5
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005018483
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 2.5
Formation End Depth: 9
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005018486
Layer: 3
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 9
Formation End Depth: 10.6
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005018517
Layer: 1
Plug From: 0

Plug To:	7.6
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005018519
Layer:	2
Plug From:	7.6
Plug To:	10.6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005018500
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1005018478
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005018493
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	7.6
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005018495
Layer:	1
Slot:	10
Screen Top Depth:	7.6
Screen End Depth:	10.6
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.4

Water Details

Water ID:	1005018491
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005018489
Diameter:	15
Depth From:	0
Depth To:	10.6
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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22 | ***1 of 1*** | ***N/171.7*** | ***267.7 / 2.88*** | ***n/a*** ***Caledon ON L7C 2H1*** | ***EHS***

Order No:	20190307091	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	NY
Report Date:	08-MAR-19	***Search Radius (km):***	.25
Date Received:	07-MAR-19	***X:***	-79.827158
Previous Site Name:		***Y:***	43.755436
Lot/Building Size:			
Additional Info Ordered:			

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23 | ***1 of 1*** | ***WNW/194.0*** | ***262.0 / -2.90*** | ***12551 KENNEDY RD*** ***Caledon ON*** | ***WWIS***

Well ID:	7230220	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	10/27/2014
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7215
Casing Material:		***Form Version:***	7
Audit No:	Z183552	***Owner:***	
Tag:	A173186	***Street Name:***	12551 KENNEDY RD
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1005179611	***Elevation:***	264.306488
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	594218
Code OB Desc:		***North83:***	4845309
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	10/17/2014	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1005370805
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005370804
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005370812
Layer:	1
Plug From:	20
Plug To:	9
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005370813
Layer:	2
Plug From:	9
Plug To:	0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1005370811
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1005370803
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005370808
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	10
Depth To:	0
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005370809
Layer:	1
Slot:	10
Screen Top Depth:	20
Screen End Depth:	10
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Water Details

Water ID:	1005370807
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005370806
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

24 | ***1 of 1*** | ***NW/226.2*** | ***264.8 / -0.06*** | ***Enbridge Gas Distribution Inc.***
 12560 Kennedy Road
 Caledon ON | ***SPL***

Ref No:	3028-AQRL3H	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	8/31/2017	***Health/Env Conseq:***	2 - Minor Environment
Year:		***Client Type:***	Corporation
Incident Cause:		***Sector Type:***	Miscellaneous Communal
Incident Event:	Leak/Break	***Agency Involved:***	
Contaminant Code:	98	***Nearest Watercourse:***	

Contaminant Name:	UNKNOWN	**Site Address:**	12560 Kennedy Road
Contaminant Limit 1:		**Site District Office:**	Halton-Peel
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	n/a	**Site Region:**	Central
Environment Impact:		**Site Municipality:**	Caledon
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	8/31/2017	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	**Source Type:**	Pipeline/Components
Site Name:	comercial - plaza<UNOFFICIAL>		
Site County/District:	Regional Municipality of Peel		
Site Geo Ref Meth:			
Incident Summary:	TSSAfsb - 1.25" ip pl header service/main line damage - preschool evac		
Contaminant Qty:	0 No Set Limit		

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25 | ***1 of 4*** | ***NW/228.2*** | ***262.1 / -2.73*** | ***12570 KENNEDY ROAD, CALEDON ON*** | ***PINC***

Incident ID:		**Health Impact:**	
Incident No:	1898500	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	No
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	
Fuel Occurrence Tp:		**Enforce Policy:**	Yes
Fuel Type:		**Public Relation:**	
Tank Status:	RC Established	**Pipeline System:**	
Task No:	6238875	**Depth:**	
Spills Action Centre:		**Pipe Material:**	
Method Details:	E-mail	**PSIG:**	
Fuel Category:	Natural Gas	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:		**Regulator Location:**	
Occurrence Start Date:	2016/07/07		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:	12570 KENNEDY ROAD, CALEDON - PIPELINE HIT - 2"		
Reported By:	Blake Frost - ENBRIDGE		
Affiliation:			
Occurrence Desc:			
Damage Reason:	No notification made to the one call center		
Notes:			

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25 | ***2 of 4*** | ***NW/228.2*** | ***262.1 / -2.73*** | ***12570 Kennedy Road Caledon ON*** | ***SPL***

Ref No:	8546-ABLQ7A	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2016/07/06	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Miscellaneous Industrial
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	12570 Kennedy Road
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Caledon

Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2016/07/06	**Site Map Datum:**	
Dt Document Closed:	2016/08/16	**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	**Source Type:**	
Site Name:	PL Strike Site<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA: FSB 2" PL Main Strike, made safe.		
Contaminant Qty:	0 L		

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25 | ***3 of 4*** | ***NW/228.2*** | ***262.1 / -2.73*** | ***Caledon Dental Center*** | ***GEN***
#10 - 12570 Kennedy Rd
Caledon ON L7C4C4

Generator No:	ON8489000	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Dec 2018	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	312 P
Waste Class Desc:	Pathological wastes

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25 | ***4 of 4*** | ***NW/228.2*** | ***262.1 / -2.73*** | ***Caledon Dental Center*** | ***GEN***
#10 - 12570 Kennedy Rd
Caledon ON L7C4C4

Generator No:	ON8489000	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Jul 2020	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	312 P
Waste Class Desc:	Pathological wastes

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26 | ***1 of 1*** | ***SSE/233.4*** | ***261.2 / -3.65*** | ***12420 OLD KENNEDY RD lot 20 con 1*** | ***WWIS***
Caledon ON

Well ID:	7201361	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	5/8/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Quality	**Abandonment Rec:**	
Water Type:		**Contractor:**	7147
Casing Material:		**Form Version:**	7
Audit No:	Z142345	**Owner:**	
Tag:		**Street Name:**	12420 OLD KENNEDY RD

Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	020
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1004290567	***Elevation:***	258.862518
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	594513
Code OB Desc:		***North83:***	4844933
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/2/2013	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1004796982
Layer:	1
Plug From:	0
Plug To:	2.2
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004796984
Layer:	3
Plug From:	2.8
Plug To:	13.1
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004796983
Layer:	2
Plug From:	2.2
Plug To:	2.8
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004796985
Layer:	4
Plug From:	13.1
Plug To:	13.7
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004796981
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1004796975
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004796979
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	0
Depth To:	13.7
Casing Diameter:	90
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004796980
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	1004796978
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	5.2
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004796977
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m

Hole Diameter UOM:	cm

---

27 | **1 of 1** | **ESE/234.2** | **261.6 / -3.27** | **lot 20 con 2 ON** | **WWIS**

Well ID:	4901241	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/30/1957
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1307
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	020
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	HS E
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/490\4901241.pdf

Bore Hole Information

Bore Hole ID:	10316087	**Elevation:**	260.756683
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	594603.5
Code OB Desc:	Overburden	**North83:**	4845019
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	9/11/1957	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932033438
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	30
Formation End Depth:	32
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033436
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932033437
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	14
Formation End Depth:	30
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964901241
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10864657
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930522601
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	32
Casing Diameter:	36
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994901241
Pump Set At:	
Static Level:	12
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933789205
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32
Water Found Depth UOM:	ft

---

28 | ***1 of 1*** | ***ENE/234.6*** | ***266.6 / 1.71*** | ***12457 Kennedy Road Caledon ON*** | ***PINC***

Incident ID:	2729746	***Health Impact:***	No
Incident No:	573236	***Environment Impact:***	No
Type:	FS-Pipeline Incident	***Property Damage:***	Yes
Status Code:	Pipeline Damage Reason Est	***Service Interupt:***	Yes
Fuel Occurrence Tp:	Pipeline Strike	***Enforce Policy:***	Yes
Fuel Type:	Natural Gas	***Public Relation:***	No
Tank Status:	RC Established	***Pipeline System:***	
Task No:	3297813	***Depth:***	
Spills Action Centre:		***Pipe Material:***	Plastic
Method Details:	E-mail	***PSIG:***	60
Fuel Category:	Natural Gas	***Attribute Category:***	FS-Perform P-line Inc Invest
Date of Occurrence:	3/30/2011 0:00	***Regulator Location:***	Outside
Occurrence Start Date:	2011/04/07		

Operation Type:	Construction Site (including excavation)
Pipeline Type:	Service / Riser Distribution Pipeline
Regulator Type:	Service Regulator (up to 60 psi intake)
Summary:	12457 Kennedy Road Caledon - 1/2" Pipeline Hit
Reported By:	Jorgensen, Eric - Enbridge
Affiliation:	Emergency Services (Fire, Police,etc)
Occurrence Desc:	
Damage Reason:	Excavation practices not sufficient
Notes:	

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29 | ***1 of 1*** | ***WNW/249.1*** | ***265.9 / 1.06*** | ***lot 20 con 1 ON*** | ***WWIS***

Well ID:	4906298	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/1/1985
Sec. Water Use:		***Selected Flag:***	Yes

Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4919
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	CALEDON TOWN (CHINGUACOUSY)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	020
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	HS E
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	10320864	***Elevation:***	265.694152
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	594142.5
Code OB Desc:	Overburden	***North83:***	4845296
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	10/24/1984	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	topo
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932053062
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932053060
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL

Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932053061
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932053063
Layer: 4
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 60
Formation End Depth: 73
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964906298
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10869434
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930529454
Layer: 1
Material: 3

Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	53
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	994906298
Pump Set At:	
Static Level:	30
Final Level After Pumping:	70
Recommended Pump Depth:	65
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935047884
Test Type:	Recovery
Test Duration:	60
Test Level:	66
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934253696
Test Type:	Recovery
Test Duration:	15
Test Level:	69
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934528307
Test Type:	Recovery
Test Duration:	30
Test Level:	68
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934782402
Test Type:	Recovery
Test Duration:	45
Test Level:	67
Test Level UOM:	ft

Water Details

Water ID:	933794240

Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	65
Water Found Depth UOM:	ft

Unplottable Summary

Total: 14 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 20 Con 1	Peel ON	
CA		Part of Lot 20, Concession 1	Caledon ON	
CA		pt. of East half of lot 20 Conc. 1	CALEDON ON	
CA		pt. of East half of lot 20 Conc. 1	CALEDON ON	
ECA	1029629 Ontario Inc.	'Street A' from Kennedy Road to the end of the road	Caledon ON	L7C 2H3
ECA	The Regional Municipality of Peel	Part of Lot 20, Concession 1	Caledon ON	L6T 4B9
ECA	The Corporation of the Town of Caledon	Kennedy Rd	Caledon ON	L7C 1J6
ECA	Argo Caledon Corporation	Dougall Ave	Caledon ON	L7M 4P8
EXP	MARTIN AGRI DRAINAGE LTD	LOT 20 CON 1 PEEL TWP ON CA	ON	
EXP	MARTIN AGRI DRAINAGE LTD	LOT 20 CON 1 PEEL TWP ON CA	ON	
FST	MARTIN AGRI DRAINAGE LTD	LOT 20 CON 1 PEEL TWP ON CA	ON	
FST	MARTIN AGRI DRAINAGE LTD	LOT 20 CON 1 PEEL TWP ON CA	ON	
GEN	MARTIN AGRI DRAINAGE LTD.	LOT 20, CONC 1,	PEEL TWP. ON	N0B 2S0
PRT	MARTIN AGRI DRAINAGE LTD	LOT 20 CON 1	PEEL TWP ON	

Unplottable Report

Site:
Lot 20 Con 1 Peel ON

Database:
AAGR

Type:
Region/County: Wellington
Township: Peel
Concession: 1
Lot: 20
Size (ha):
Landuse:
Comments: naturally rehabilitated

Site:
Part of Lot 20, Concession 1 Caledon ON

Database:
CA

Certificate #: 1649-53YTNP
Application Year: 01
Issue Date: 10/30/01
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Corporation of the Regional Municipality of Peel
Client Address: 10 Peel Centre Drive, Fourth Floor
Client City: Brampton
Client Postal Code: L6T 4B9
Project Description: Installation of a diesel Generator
Contaminants:
Emission Control:

Site:
pt. of East half of lot 20 Conc. 1 CALEDON ON

Database:
CA

Certificate #: 8667-4FELRU
Application Year: 00
Issue Date: 1/10/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: 969904 Ontario Inc.
Client Address: 6409 Old Church Rd
Client City: CALEDON
Client Postal Code:
Project Description: watermains and appurtenances.
Contaminants:
Emission Control:

Site:
pt. of East half of lot 20 Conc. 1 CALEDON ON

Database:
CA

Certificate #: 0270-4FB254
Application Year: 00
Issue Date: 1/10/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval

Client Name: 969904 Ontario Inc.
Client Address: 6409 Old Church Rd
Client City: CALEDON
Client Postal Code:
Project Description: sanitary sewers, watermains and appurtenances.
Contaminants:
Emission Control:

Site: ***1029629 Ontario Inc.***
'Street A' from Kennedy Road to the end of the road Caledon ON L7C 2H3

Database: ***ECA***

Approval No: 9747-8NQMQW
Approval Date: 2011-11-18
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 'Street A' from Kennedy Road to the end of the road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7288-8NQJWA-14.pdf

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Site: ***The Regional Municipality of Peel***
Part of Lot 20, Concession 1 Caledon ON L6T 4B9

Database: ***ECA***

Approval No: 1649-53YTNP
Approval Date: 2001-10-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-AIR
Project Type: AIR
Address: Part of Lot 20, Concession 1
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5314-4ZTPJ3-14.pdf

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Site: ***The Corporation of the Town of Caledon***
Kennedy Rd Caledon ON L7C 1J6

Database: ***ECA***

Approval No: 6888-9K4KAH
Approval Date: 2014-05-20
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Kennedy Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3940-9JQJMD-14.pdf

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Site: ***Argo Caledon Corporation***
Dougall Ave Caledon ON L7M 4P8

Database: ***ECA***

Approval No: 5750-9FLTNF
Approval Date: 2014-05-20
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Dougall Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3081-9CKHXN-14.pdf

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Site: **MARTIN AGRI DRAINAGE LTD**
LOT 20 CON 1 PEEL TWP ON CA ON

Database: EXP

Instance No:	10913869	**Model:**	NULL
Status:	Inactive	**Quantity:**	1
Instance ID:		**Unit of Measure:**	EA
Instance Type:		**Fuel Type2:**	NULL
Instance Creation Dt:	4/26/1990	**Fuel Type3:**	NULL
Instance Install Dt:	4/26/1990	**Piping Steel:**	
Item:		**Piping Galvanized:**	
Item Description:	FS Liquid Fuel Tank	**Tank Single Wall St:**	
Facility Type:	FS LIQUID FUEL TANK	**Piping Underground:**	
Overfill Prot Type:	NULL	**Tank Underground:**	
Creation Date:	7/5/2009 1:22:10 AM	**Panam Related:**	NULL
Expired Date:		**Panam Venue Nm:**	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	UNDERGROUND TANK		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	LOT 20 CON 1 PEEL TWP ON CA		

Site: **MARTIN AGRI DRAINAGE LTD**
LOT 20 CON 1 PEEL TWP ON CA ON

Database: EXP

Instance No:	10913887	**Model:**	NULL
Status:	Inactive	**Quantity:**	1
Instance ID:		**Unit of Measure:**	EA
Instance Type:		**Fuel Type2:**	NULL
Instance Creation Dt:	4/26/1990	**Fuel Type3:**	NULL
Instance Install Dt:	4/26/1990	**Piping Steel:**	
Item:		**Piping Galvanized:**	
Item Description:	FS Liquid Fuel Tank	**Tank Single Wall St:**	
Facility Type:	FS LIQUID FUEL TANK	**Piping Underground:**	
Overfill Prot Type:	NULL	**Tank Underground:**	
Creation Date:	7/5/2009 1:22:11 AM	**Panam Related:**	NULL
Expired Date:		**Panam Venue Nm:**	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	UNDERGROUND TANK		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	LOT 20 CON 1 PEEL TWP ON CA		

Site: **MARTIN AGRI DRAINAGE LTD**
LOT 20 CON 1 PEEL TWP ON CA ON

Database: FST

Instance No:	10913887	**Manufacturer:**	
Status:		**Serial No:**	
Cont Name:		**Ulc Standard:**	
Instance Type:		**Quantity:**	
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Diesel
Tank Type:	Single Wall UST	**Fuel Type2:**	NULL
Install Date:	4/26/1990	**Fuel Type3:**	NULL
Install Year:	1955	**Piping Steel:**	
Years in Service:		**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	

Description:
Capacity: 4546
Tank Material: Steel
Corrosion Protect:
Overfill Protect:
Facility Type: FS Liquid Fuel Tank
Parent Facility Type:
Facility Location:
Device Installed Location: LOT 20 CON 1 PEEL TWP ON CA

Piping Underground:
Num Underground:
Panam Related:
Panam Venue:

Fuel Storage Tank Details

Owner Account Name: MARTIN AGRI DRAINAGE LTD

Site: ***MARTIN AGRI DRAINAGE LTD***
LOT 20 CON 1 PEEL TWP ON CA ON

Database: ***FST***

Instance No: 10913869
Status:
Cont Name:
Instance Type:
Item: FS LIQUID FUEL TANK
Item Description: FS Liquid Fuel Tank
Tank Type: Single Wall UST
Install Date: 4/26/1990
Install Year: 1950
Years in Service:
Model: NULL
Description:
Capacity: 4546
Tank Material: Steel
Corrosion Protect:
Overfill Protect:
Facility Type: FS Liquid Fuel Tank
Parent Facility Type:
Facility Location:
Device Installed Location: LOT 20 CON 1 PEEL TWP ON CA

Manufacturer:
Serial No:
Ulc Standard:
Quantity:
Unit of Measure:
Fuel Type: Gasoline
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tanks Single Wall St:
Piping Underground:
Num Underground:
Panam Related:
Panam Venue:

Fuel Storage Tank Details

Owner Account Name: MARTIN AGRI DRAINAGE LTD

Site: ***MARTIN AGRI DRAINAGE LTD.***
LOT 20, CONC 1, PEEL TWP. ON N0B 2S0

Database: ***GEN***

Generator No: ON1432600
Status:
Approval Years: 92,93,97,98
Contam. Facility:
MHSW Facility:
SIC Code: 4213
SIC Description: SEPTIC TANK INSTAL.

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

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Site: ***MARTIN AGRI DRAINAGE LTD***
LOT 20 CON 1 PEEL TWP ON

Database: ***PRT***

Location ID:	11409
Type:	private
Expiry Date:	
Capacity (L):	9092.00
Licence #:	0001023784

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 2020

Abandoned Mine Information System: Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Jun 30, 2020

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.
Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Jun 30, 2020

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 - Sep 2020

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-Dec 2019

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994-Sep 30, 2020

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2019

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Jul 31, 2020

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-Sep 30, 2020

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-Sep 30, 2020

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-Sep 30, 2020

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jul 31, 2020

Environmental Issues Inventory System: Federal EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Apr 2020

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

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-Jul 31, 2020

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 2017

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

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-Jan 2020

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, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Mar 31, 2020

National Energy Board Wells: Federal NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Aug 31, 2020

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-Jun 2020

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-Sep 30, 2020

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011-Sep 30, 2020

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Sep 30, 2020

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Sep 2020

Retail Fuel Storage Tanks: Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Jun 30, 2020

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

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.
The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Nov 2019

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Aug 2018

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Sep 30, 2020

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: Apr 30, 2020

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.

Ontario

Ministry of the Environment and Climate Change

Freedom of Information and
Protection of Privacy Office
40 St. Clair Avenue West, 12th Floor
Toronto ON M4V 1M2
Telephone 416 314-4075

Freedom of Information Request

Instructions

Use this form to request records that are in the Ministry's files on environmental concerns related to properties. Our fax number is 416 314-4285.

For Ministry Use Only

FOI Request Number	Date Request Received(yyyy/mm/dd)
Fee Paid	☐ Cheque ☐ VISA/MC ☐ Cash/Money Order

☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ IEB ☐ EAA ☐ EMR ☐ SCB ☐ SDW

1. Requester Data

Last Name	First Name	Middle Initial
Chan	Bernard	

Title	Company Name
Project Manager	Fisher Environmental Ltd.

Mailing Address

Unit Number	Street Number	Street Name	PO Box
15	400	Esna Park Drive	

City/Town	Province	Postal Code
Markham	Ontario	L3R 3K2

Email Address	Telephone Number	Fax Number
bernard@fisherenvironmental.com	905 475-7755 ext. 264	905 475-7718

Project/Reference Number	Signature of Requester
FE-P 20-10692	

2. Request Parameters

Municipal Address (Municipal address mandatory for cities, towns or regions)

Unit Number	Street Number	Street Name	PO Box
	12507	Old Kennedy Road	

Lot Number	Concession	Geographic Township

City/Town/Village	Province	Postal Code
Caledon	Ontario	L7C 2E9

Present Property

1. Owner: Residence — Date of Ownership (yyyy/mm/dd): At least 1969 to Present

Tenant (if applicable): Residence

Previous Property

1. Owner: — Date of Ownership (yyyy/mm/dd): Prior to 1954

Tenant (if applicable): Vacant

  Disponible en français

3. Search Parameters

Search Parameters	Specify Year(s) Requested
Environmental concerns (General correspondence, occurrence reports, abatement)	All
Orders	All
Spills	All
Investigations/prosecutions ► Owner and tenant information must be provided	All
Waste Generator number/classes	All

Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.

4. Environmental Compliance Approvals/Certificates of Approval

Environmental Compliance Approvals/Certificates of Approval	SD	Specify Year(s) Requested
air - emissions	☐	
renewable energy	☐	
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)	☐	
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations	☐	
waste water - industrial discharge	☐	
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites	☐	
waste systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, PCB destruction	☐	

Proponent information must be provided and Environmental Compliance Approval/Certificate of Approval number(s) (if known). 1985 and prior records are searched manually. Search fees in excess of $300.00 may be incurred, depending on the types and years to be searched. Specify Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.

Bernard Chan

From: Public Information Services <publicinformationservices@tssa.org>
Sent: October 27, 2020 1:54 PM
To: Bernard Chan
Subject: RE: TSSA Request for on-file info for 12507 Old Kennedy Road, Caledon

Hello. Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

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

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.

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

Kind regards,

Roxana

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

From: Bernard Chan <Bernard@fisherenvironmental.com>
Sent: October 27, 2020 1:49 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Request for on-file info for 12507 Old Kennedy Road, Caledon

Dear Sir/Madam,

We are currently conducting an environmental assessment for 12507 Old Kennedy Road, Caledon. A site location map is attached.

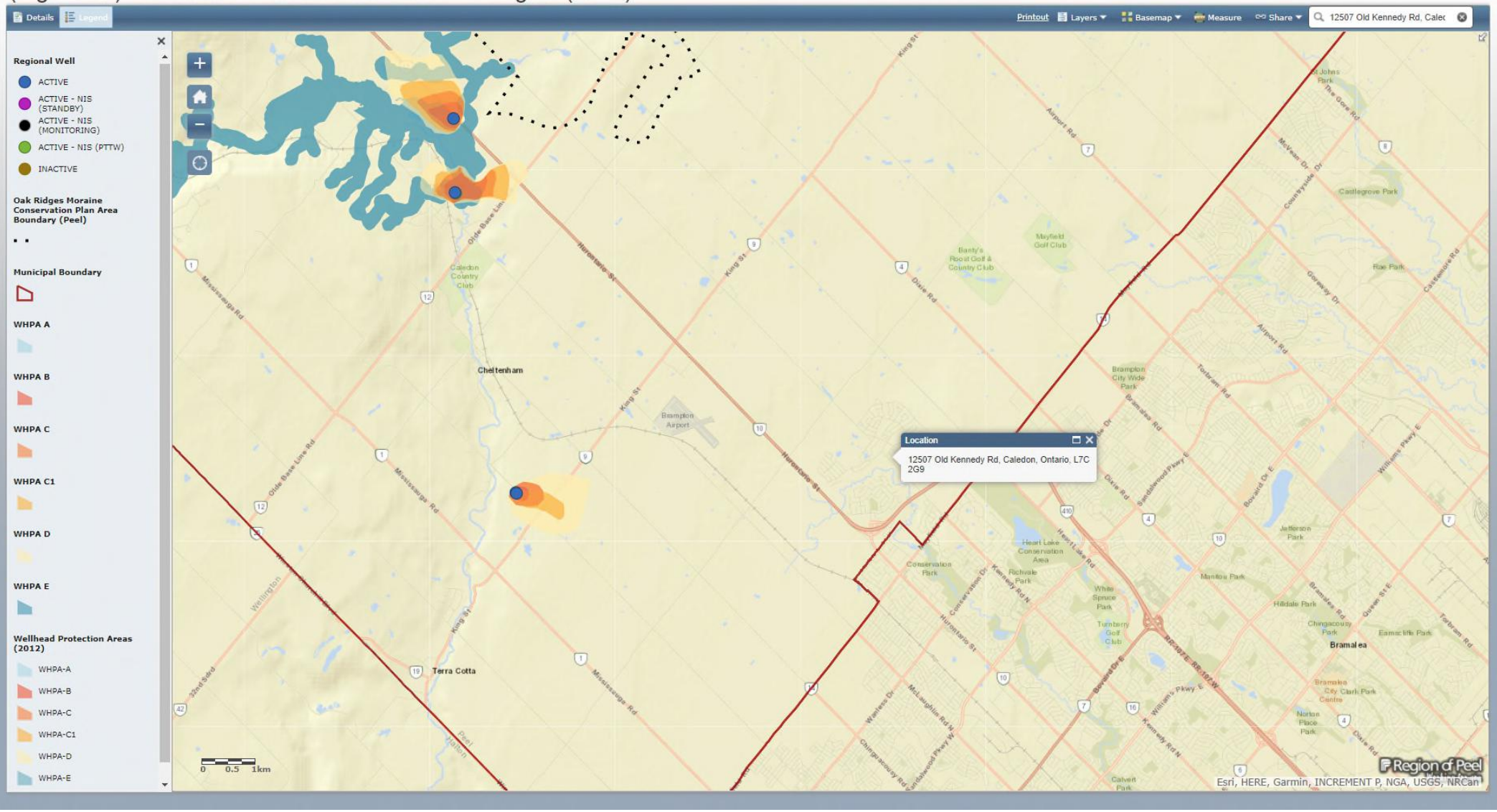
Please inform if the TSSA has any available on-file information for the following addresses:

- 12507 Old Kennedy Road
- 12502 Old Kennedy Road
- 12540 Kennedy Road
- 12550 Kennedy Road
- 12560 Kennedy Road
- 12570 Kennedy Road

Regards,

Bernard Chan, C.Chem., P.Eng.
Project Manager
Fisher Environmental Ltd. | www.fisherenvironmental.com
T 905 475 7755 x 264 | **C** 647 241 1885 | **F** 905 475 7718
15-400 Esna Park Drive, Markham ON, L3R 3K2

(Figure 13) Wellhead Protection Areas in Peel Region (2012)



Schedule O
WELLHEAD PROTECTION AREAS

TOWN OF CALEDON

- 2 Year Protection Area
- 10 Year Protection Area
- 25 Year Protection Area
- 5 Year Protection Area
- 10 Year Protection Area

Wellhead Protection Areas in Oak Ridges Moraine

- 2 Year Protection Area
- 10 Year Protection Area
- 25 Year Protection Area
- Oak Ridges Moraine Conservation Plan Area
- Settlement Area
- Provincial Road
- Regional Road
- Local Road
- Railway

Base Data Source: Town of Caledon, Greenbelt Plan 2005

NOTE:
Within the Oak Ridges Moraine Conservation Plan Area 2 year, 10 year, and 25 year wellhead protection areas are designated. Off the Oak Ridges Moraine 5 year and 10 year wellhead protection areas are designated for all other municipal wells.

0 0.5 1 2 3 4 5 km

DUFFERIN COUNTY
TOWNSHIP OF EAST GARAFRAXA
ORANGEVILLE
CALEDON/EAST GARAFRAXA TOWN LINE
DUFFERIN COUNTY
TOWN OF MONO
SIMCOE COUNTY
TOWNSHIP OF ADJALA-TOSORONTIO
TOWN OF NEW TECUMSETH
WELLINGTON COUNTY
TOWN OF ERIN
HALTON REGION
TOWN OF HALTON HILLS
YORK REGION
CITY OF VAUGHAN
TOWNSHIP OF KING
CITY OF BRAMPTON

Alton
Melville
Mono Mills
Tottenham
Caledon Village
Cataract
Erin
Palgrave
Albion
Belfountain
CALEDON EAST
Inglewood
Mono Road
Claude
Cheltenham
Sandhill
Campbells Cross
Victoria
Terra Cotta
BOLTON
Nobleton
Tullamore
Wildfield
MAYFIELD WEST
SITE

HIGHPOINT SIDE RD
PORTERFIELD RD
MAIN ST
WILLOUGHBY RD
HORSESHOE HILL RD
ST ANDREW'S RD
BEECH GROVE SIDE RD
COOLIHANS SIDE RD
HIGHWAY 9
MOUNTAINVIEW RD
SHAWS CREEK RD
CHARLESTON SIDE RD
FINNERTY SIDE RD
THE GORE RD
ESCARPMENT SIDE RD
PATTERSON SIDE RD
MOUNT PLEASANT RD
MOUNT WOLFE RD
HURONTARIO ST
AIRPORT RD
THE GRANGE SIDE RD
OLD CHURCH RD
WINSTON CHURCHILL BLVD
MISSISSAUGA RD
OLD BASE LINE RD
CASTLEDERG SIDE RD
BOSTON MILLS RD
DUFFYS LN
HIGHWAY 50
MOUNT HOPE RD
CALEDON KING TOWN LINE S
KING ST
HUMBER STATION RD
INNIS LAKE RD
CENTREVILLE CREEK RD
HEALEY RD
QUEEN ST
ALBION VAUGHAN RD
HERITAGE RD
CREDITVIEW RD
CHINGUACOUSY RD
MCLAUGHLIN RD
KENNEDY RD
HEART LAKE RD
DIXIE RD
BRAMALEA RD
TORBRAM RD
OLD SCHOOL RD
MAYFIELD RD

SAVED: 2 April 2018
FILE: S:\POLICY SECTIONGIS\official_plan\mxd\9-april_2018
SAVED BY: bloverock

Ontario

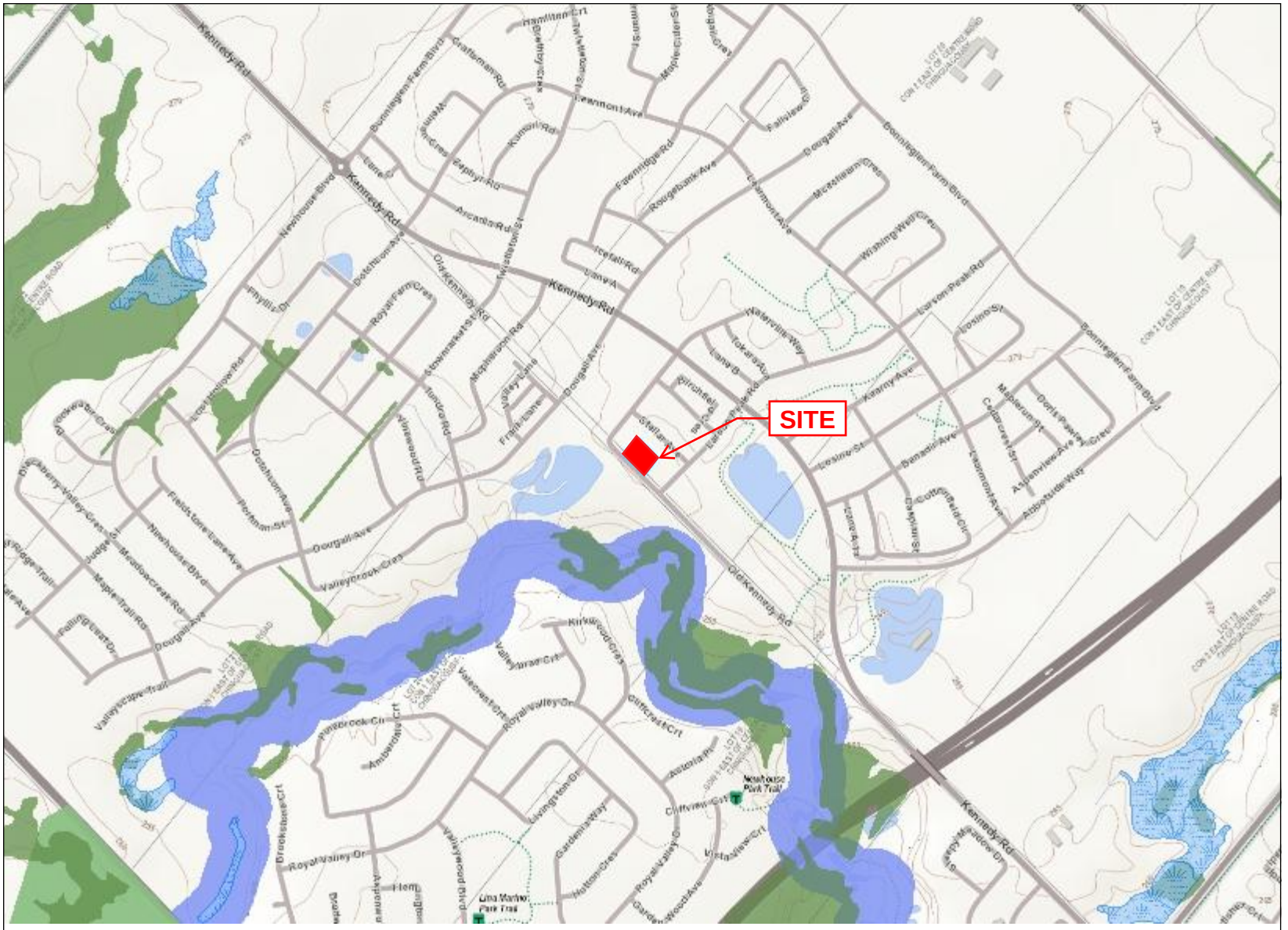
Ministry of Natural Resources and Forestry

Make-a-Map: Natural Heritage Areas

12507 Old Kennedy Road, Caledon, ON

Map created: 10/27/2020

Notes:



Legend

- Assessment Parcel
- Woodland
- Conservation Reserve
- Provincial Park
- Natural Heritage System
- Ecoregion

Wetland
- Provincially Significant Wetland Evaluated
- Non - Provincially Significant Wetland Evaluated
- Unevaluated Wetland

Area of Natural Heritage & Scientific Interest (ANSI)
- Provincially Significant Life Science ANSI
- Provincially Significant Earth Science ANSI

Greenbelt Plan
- Boundary
- Greenbelt External Connections

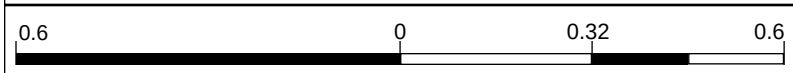
Land Use Designations
- Protected Countryside
- Greenbelt Towns and Villages
- Greenbelt Hamlets
- Urban River Valley
- Greenbelt Specialty Crop Area

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

Land Use Designations
- Natural Core Area
- Natural Linkage Area
- Countryside Area
- Rural Settlement
- Palgrave Estates Residential Community
- Settlement Area



This map may not display all features listed in the legend because the feature layer was not turned on at the time the map was made; the features do not exist in the geographic range; or features have not been mapped. Absence of a feature in the map does not mean they do not exist in this area.

This map should not be relied on as a precise indicator of routes or locations, nor as a guide to navigation. The Ontario Ministry of Natural Resources and Forestry(OMNRF) shall not be liable in any way for the use of, or reliance upon, this map or any information on this map.

Schedule A
TOWN OF CALEDON LAND USE PLAN

The Town of Orangeville has undertaken studies, which have not been supported by the Region of Peel and the Town of Caledon, relating to the possibility of an expansion of the Orangeville settlement area into its neighbouring municipalities, including the Town of Caledon

- General Agricultural Area
- Prime Agricultural Area
- Rural Lands
- Extractive Industrial Area
- Waste Management Area
- Open Space Policy Area
- Environmental Policy Area
- Estate Residential Area
- Retirement Community Area
- Settlement Area
- Mayfield West Study Area Boundary
- Boundary of Greenbelt Plan Area
- Oak Ridges Moraine Conservation Plan Area
- Niagara Escarpment Plan Area

- Provincial Road
- Regional Road
- Local Road
- Railway
- Caledon Trailway

Base Data Source: Town of Caledon

0 0.5 1 2 3 4 5 km

Refer to OPA #150
Refer to Explanatory Notes of the Official Plan
Refer to OPA #161/124
Refer to OPA #122
Refer to OPA #241
Refer to OPA #156
See Section 5.2.3.2
See Section 5.2.3.7
Refer to OPA #163
Refer to OPA #133
See Section 3.2.4.16
For details of this area refer to the Caledon Village Land Use Plan Schedule "E"
Refer to OPA #171
Refer to OPA #210
Refer to OPA #98
Reddington Retirement Community
For details of this area refer to the applicable Palgrave Estate Residential Community Schedules "G, H, & I"
Refer to OPA #217
Bolton Golf Course Estate Residential
For details of this area refer to the Caledon East Land Use Plan Schedule "D"
Refer to OPA #234
Refer to OPA #195
Refer to OPA #65
For details of this area refer to Inglewood & Area Land Use Plan Schedule "M"
For details of this area refer to Sandhill Secondary Plan Schedule "T"
Refer to OPA #227
Terra Cotta Special Residential Area
For details of this area refer to Victoria Business Park Land Use Plan Schedule "R"
SITE
See Section 5.1.3.1.5
Refer to OPA #148
Refer to OPA #2
For details of this area refer to Tullamore Secondary Plan Schedule "N"
For details of this area refer to Bolton Land Use Plan Schedule "C"
Refer to OPA #101 and OPA #232
For details of this area refer to Schedule B-2 Mayfield West Phase 2 Secondary Plan Land Use Plan
For details of this area refer to Mayfield West Land Use Plan Schedule "B"

SAVED: 2 April 2018
FILE: S:\POLICY SECTION\GIS\official_plan\mxd\9-april_2018
SAVED BY: bloverock

Phase One ESA Documentation of Interviews

1. Interview Design

The scope of the phase one environmental site assessment interview was to:

a. Obtain information to assist in determining if an area of potential environmental concern (APEC) exists.
b. Identify details of potentially contaminating activities (PCA) or potential contaminant pathways in, on or under the phase one property.

Questions requesting availability or knowledge of site operating records and physical settings in the phase one study area since the first developed use of the site were directed at, and/or have aimed at making all reasonable efforts to inquire about, the current property owner of the phase one property, or at least one owner or occupant of a property in the phase one study area and one provincial or municipal government official, each of whom is familiar with the phase one property and its history.

The Qualified Person and the person that conducted the interview have made all reasonable efforts to ensure that at least one person with detailed knowledge of site activities identified above is present during the site reconnaissance component of the phase one environmental site assessment.

The interview questions noted in the following tables were designed by the Qualified Person identified in this report.

2. Information Gleaned, Compared and Validated through Interviews with

a) Current Property Owner: Muslim Association of Canada (MAC)

Date, Time and Duration of Interview:		November 4, 2020	
Method and Place of Interview:		In person	
Name of Person:		Mr. Kamal Singh Lal	
Reason for Person Selection:		Person with detailed knowledge of current site activities.	
Key Questions:		**Answers:**	**Comparison to other Information Sources and Validity of Information:**
1.	**Have a Phase I ESA, Phase II ESA, Site Remediation and/or other environmental audit reports been previously conducted for the Site, when, and are they available for review?**	No	No previous environmental reports were provided for review.
2.	**What is the main current activity conducted at the Site? Since when?**	Residence	Based on findings from the current investigation, the Site had been occupied for residential uses since at least 1969.
3.	**What were the main past activities conducted at the Site? During what periods?**	Agricultural	Based on findings from the current investigation, the Site consisted of vacant agricultural land prior to 1954.
4.	**Was there any construction activity conducted at the site in the past years?**	No	None was revealed from our records review.

5.	**Are there any site operating records available for review, such as: MSDS, underground utility drawings, site plans of production and manufacturing areas, process control diagrams, inventory of chemicals, chemicals usage and storage areas, environmental monitoring data, current and historical waste management records and waste storage locations, records of spills and discharge of contaminants, spills prevention and contingency plans, emergency response plans, asbestos surveys and C of A?**	No	None was revealed from our records review.
6.	**Do you have knowledge of any current or former underground or aboveground storage tanks, and their location at the site?**	No	None was revealed from our records review and Site inspection.
7.	**Do you have knowledge of any activities and events occurred at neighboring properties that may have affected their environmental condition?**	No	None was revealed from our records review and Site inspection.
8.	**Do you have knowledge of presence or location of on-site or off-site operating or abandoned water wells or monitoring wells?**	No	A review of the MECP well record indicated the presence of one (1) well constructed on the Site for the purpose of monitoring and test hole, completed to a maximum depth of 6.10 m below grade, in 2013. A review of a 2018 survey plan for the Site indicated the presence of a monitoring well near the central-western portion of the Site. However, the monitoring well was not observed during our Site inspection.

Photo 1: View of western porton of the Site, looking northeast.

Photo 2: View of the two-storey house at the central-northern portion of the Site, looking east.

Photo 3: View of southern portion of the Site, looking southeast.

Photo 4: View of the septic tank situated north of the house, looking southeast.

Photo 5: View of the south side of the house, looking northwest.

Photo 6: View of the east side of the house, looking north.

Photo 7: View of the frame garage at the central-eastern portion of the Site used for storage of various household items, tools and paint cans, looking northeast.

Photo 8: View of the laundry room near the northeast corner of the basement, looking northeast.

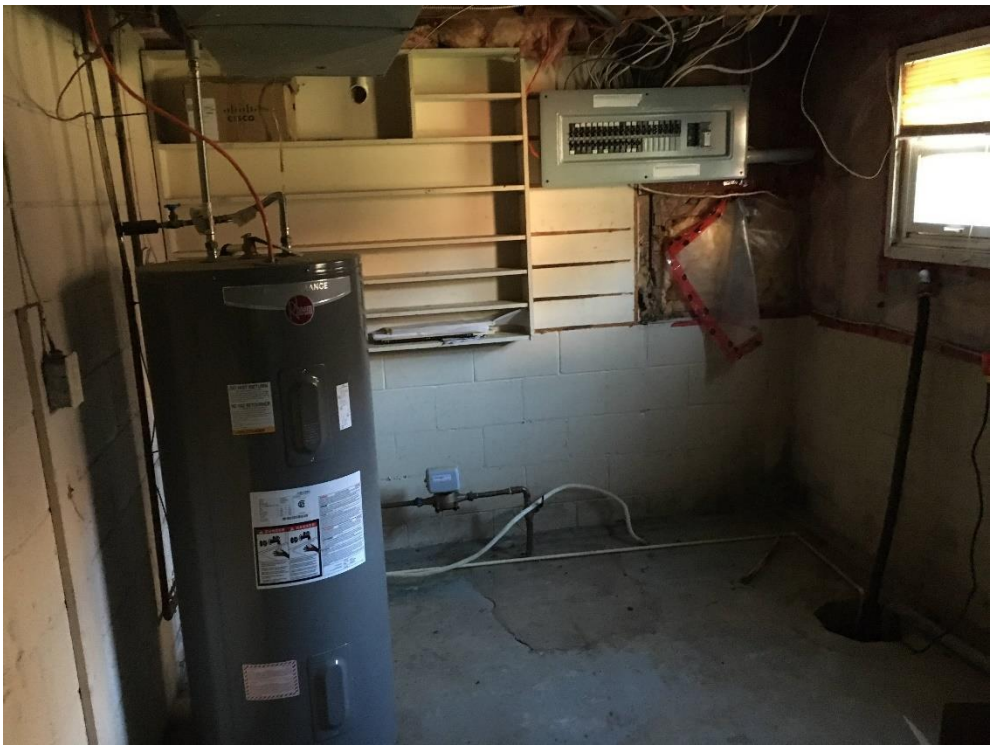
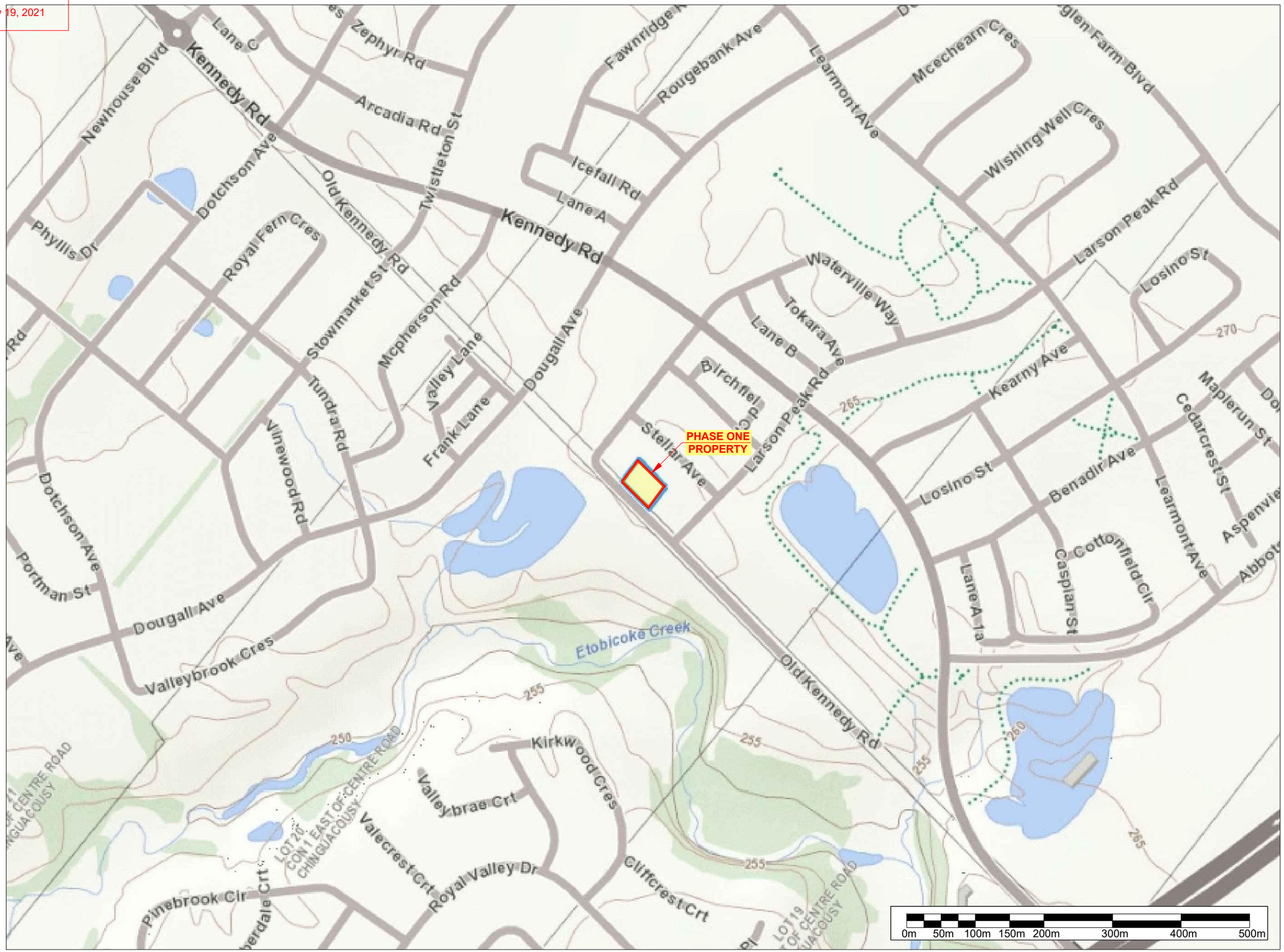


Photo 9: View of the hot water tank room near the northwest corner of the basement, looking northwest.

Photo 10: View of the gas furnace and fibreglass insulation near the central-western portion of the basement, looking southwest.

APPENDIX C – TOPOGRAPHICAL AND GEOLOGICAL MAPS



FISHER ENVIRONMENTAL LTD.

400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2

Tel: 905 475-7755
Fax: 905 475-7718

NORTH

N

LEGEND

PHASE ONE PROPERTY BOUNDARY

PROJECT NAME AND ADDRESS

PHASE ONE ESA

12507 Old Kennedy Rd,
Caledon, ON

FIGURE B:

TOPOGRAPHICAL MAP

PROJECT NO.	SHEET NO.
FE-P 20-10692	B
DATE: 25 November 2020	
SCALE: AS SHOWN	

FISHER ENVIRONMENTAL LTD.
400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2
Tel: 905 475-7755
Fax: 905 475-7718

NORTH

N

LEGEND

5D TILL
Clay to Silt-textured till (derived from glaciolacustrine deposits or shale)

6 ICE-CONTACT STRATIFIED DEPOSITSICE-CONTACT STRATIFIED DEPOSITS
sand and gravel, minor silt, clay and till

8B FINE-TEXTURED GLACIOLACUSTRINE DEPOSITS
silt and clay, minor sand and gravel
Interbedded silt and clay and gritty, pebbly flow till and rainout deposits

9C COARSE-TEXTURED GLACIOLACUSTRINE DEPOSITS
sand, gravel, minor silt and clay Foreshore and basinal deposits

19 MODERN ALLUVIAL DEPOSITS
clay, silt, sand, gravel, may contain organic remains

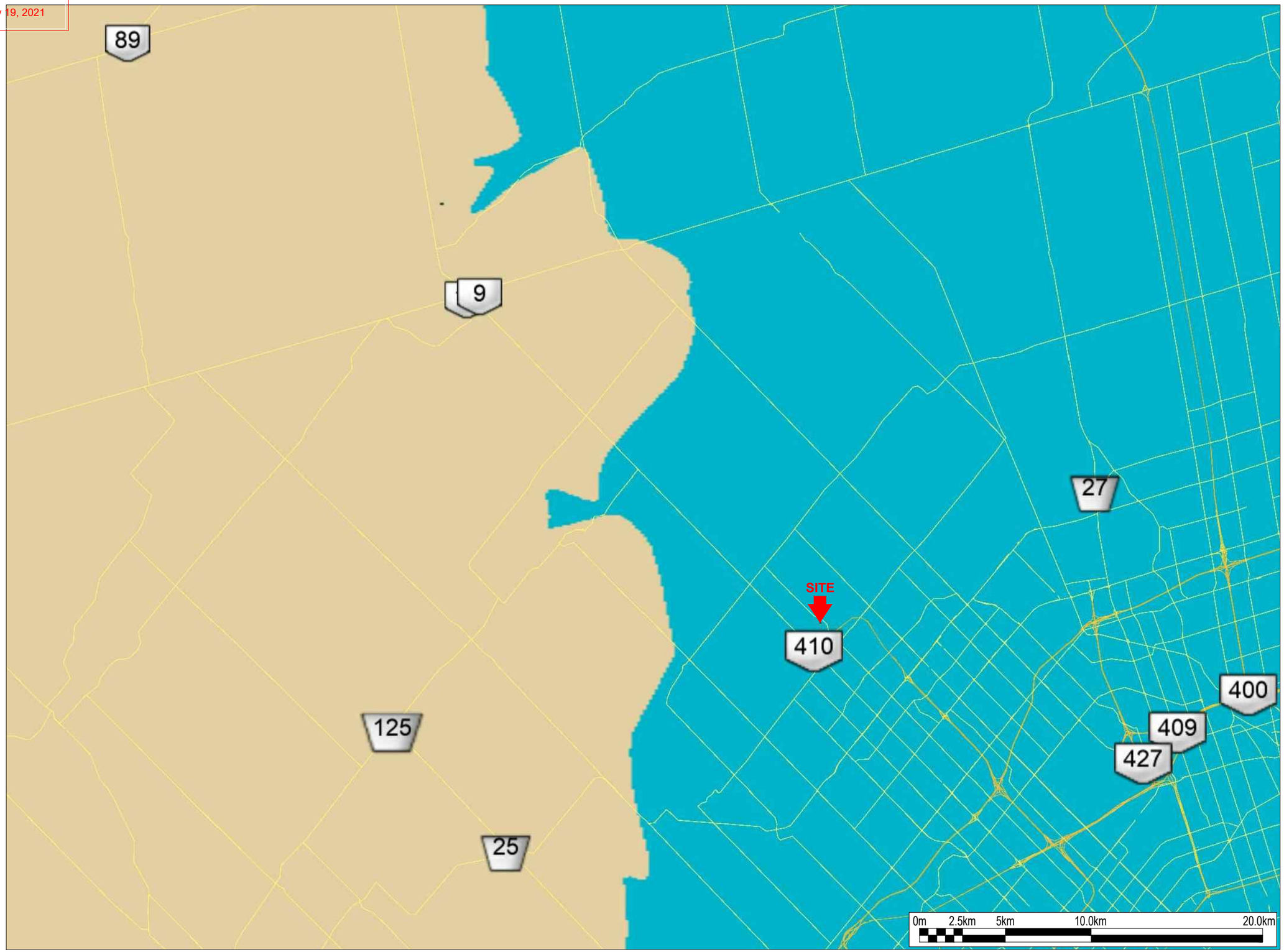
PROJECT NAME AND ADDRESS

PHASE ONE ESA

12507 Old Kennedy Rd,
Caledon, ON

FIGURE C:
SURFICIAL GEOLOGY

PROJECT NO.	SHEET NO.
FE-P 20-10692	C
DATE: 25 November 2020	
SCALE: AS SHOWN	



FISHER ENVIRONMENTAL LTD.
400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2
Tel: 905 475-7755
Fax: 905 475-7718

NORTH

N

LEGEND

55A:
Shale, limestone, dolostone, siltstone,
Queenston Formation

56C:
Sandstone, shale, dolostone, siltstone
Armabel Formation

PROJECT NAME AND ADDRESS

PHASE ONE ESA

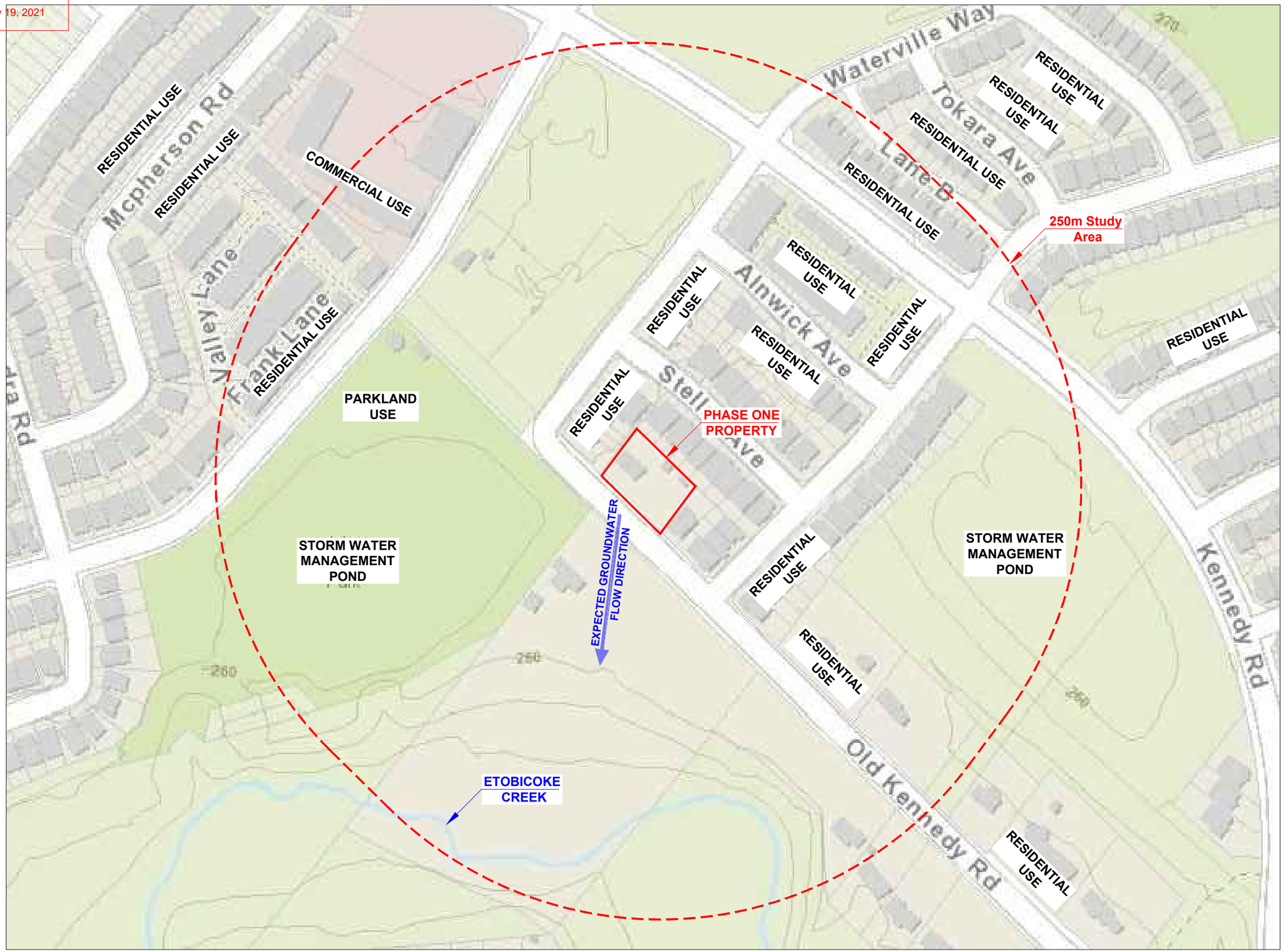
12507 Old Kennedy Rd,
Caledon, ON

FIGURE D:

BEDROCK GEOLOGY

PROJECT NO.	SHEET NO.
FE-P 20-10692	D
DATE: 25 November 2020	
SCALE: AS SHOWN	

APPENDIX D – CONCEPTUAL SITE MODEL PLANS AND DIAGRAMS



FISHER ENVIRONMENTAL LTD.
400 Esna Park Dr., #15
Markham, Ontario
L3R 3K2
Tel: 905 475-7755
Fax: 905 475-7718

NORTH

N

LEGEND

- PHASE ONE BOUNDARY
- PHASE ONE STUDY AREA

PROJECT NAME AND ADDRESS

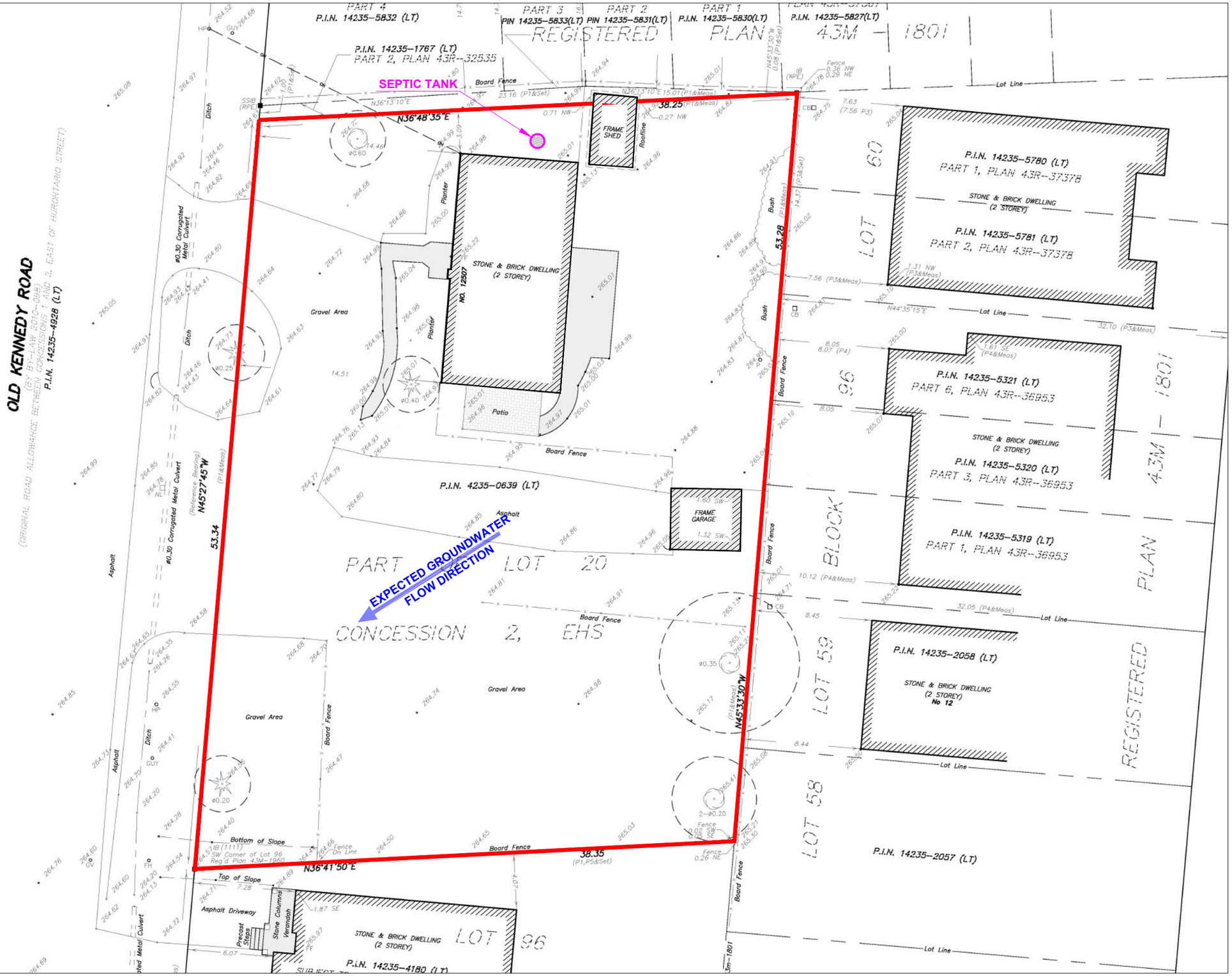
PHASE ONE ESA

12507 Old Kennedy Rd,
Caledon, ON

FIGURE 1:

PHASE ONE STUDY AREA

PROJECT NO.	SHEET NO.
FE-P 20-10692	1
DATE: 25 November 2020	
SCALE: AS SHOWN	



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Markham, Ontario
L3R 3K2
Tel: 905 475-7755
Fax: 905 475-7718

NORTH

LEGEND

PHASE ONE BOUNDARY

PROJECT NAME AND ADDRESS

PHASE ONE ESA

12507 Old Kennedy Rd,
Caledon, ON

FIGURE 2:

SITE PLAN

PROJECT NO.	SHEET NO.
FE-P 20-10692	2
DATE: 25 November 2020	
SCALE: AS SHOWN	