PROJECT NO. 8674

REPORT TO

YOUR HOME DEVELOPMENTS (MISSISSAUGA) INC.

ON

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

5080 NINTH LINE
MISSISSAUGA, ONTARIO

CONDUCTED BY:

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APRIL 29, 2019

EXECUTIVE SUMMARY

S2S Environmental Inc. (S2S) was retained by Your Home Developments (Mississauga) Inc. (Client) to conduct a Phase One Environmental Site Assessment (ESA) of the vacant residential property, municipally addressed as 5080 Ninth Line in Mississauga, Ontario (Phase One Property).

At the time of the site reconnaissance, the Phase One Property consisted of one single-storey vacant residential building with a full basement (Subject Building); and one single-storey brick and vinyl clad garage and one single-storey storage shed on the central portion of the Phase One Property. The Subject Building was reportedly constructed in the mid-1960s. Vehicular access to the Phase One Property was from one gravel covered driveway off Ninth Line, located on the northeast side of the Phase One Property. Gravel covered surface parking/driveway areas were present on the south side and a portion of the east side of the Subject Building; on the north, east and south sides of the garage and storage shed; and on the northeast portion of the Subject Property. Overgrown vegetation was present on the north side, on a portion of the east side and the west side of the Subject Building and on the west side of the garage; and on the north, south and west portions of the Phase One Property. The total floor area of the Subject Building was reportedly 564 m^2 (6,071 ft^2), and the Phase One Property has a total area of 37,000 m^2 (398,265 ft^2). The Property Identification Number (PIN) for the Phase One Property is 24931-0183 (LT). At the time of the site reconnaissance, the Phase One Property was reportedly owned and managed by Your Home Developments (Mississauga) Inc.

It is understood that this Phase One ESA is being completed in support of a Site Plan Application with the City of Mississauga (the City); therefore, this Phase One ESA was completed in accordance with *Ontario Regulation 153/04 Records of Site Condition – Part XV.1 of the Environmental Protection Act (O. Reg. 153/04, as amended).*

Based on information gathered and observations made, the Phase One ESA has identified the following Potentially Contaminating Activities (PCAs) within the Phase One Study Area resulting in Areas of Potential Environmental Concern (APECs) at the Phase One Property:

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (on-site or off site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC 1 Near surface soils (i.e. fill material) at the Phase One Property	East portion of the Phase One Property	30 – Importation of Fill Material of Unknown Quality ***(The quality of the fill material is unknown on the east portion of the Phase One Property)***	On-site	PAHs, Metals, As, Sb, Se, Cr (VI), Hg, CN-, B-HWS, EC, SAR[1]	Soil
APEC 2 Near surface soils on the west and south portions of the Phase One Property	West and south portions of the Phase One Property	40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Application ***(The west and south portions of the Phase One Property were historically used for agricultural purposes)***	On-site	OCPs, PAHs, Metals[1]	Soil

Note:

1- The acronyms noted above indicate the following contaminants of potential concern: petroleum hydrocarbons (PHCs); benzene, toluene, ethylbenzene and xylene (BTEX); polycyclic aromatic hydrocarbons (PAHs); Polychlorinated biphenyls (PCBs); arsenic (As), antimony (Sb), selenium (Se), chromium VI (Cr(VI)); mercury (Hg); cyanide (CN-); boron (hot water soluble) (B-HWS); Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR); volatile organic compounds (VOCs) and organochlorine pesticides (OCPs).

Based on the above-noted APECs identified during the completion of this Phase One ESA, it is recommended that a Phase Two ESA be completed at the Phase One Property to assess the quality of the soils and groundwater in accordance with the current applicable Ontario Ministry of the Environment, Conservation and Parks (MECP) *O. Reg. 153/04* Standards.

The statements made in this Executive Summary text are subject to the same limitations included in the Closure (see Section 10.0), and are to be read in conjunction with the remainder of this report.

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GLOSSARY OF TERMS

ACM	Asbestos-Containing Material
APEC	Areas of Potential Environmental Concern
AST	Aboveground Storage Tank
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
CFC	Chlorofluorocarbon
CSA	Canadian Standards Association
EMF	Electromagnetic Fields
EMS	Environmental Management System
ERIS	Environmental Risk Information Service
ESA	Environmental Site Assessment
FIP	Fire Insurance Plan
FOI	Freedom of Information
HBFC	Hydrobromofluorocarbon
HCFC	Hydrochlorofluorocarbon
HVAC	Heating Ventilation and Air Conditioning
HWIN	Hazardous Waste Information Network
HWIS	Hazardous Waste Information Systems
MECP	Ministry of the Environment, Conservation and Parks
MNRP	Ministry of Natural Resources and Forestry
m bgs	meters below ground surface
O. Reg.	Ontario Regulation
ODS	Ozone Depleting Substance
PAH	Polycyclic Aromatic Hydrocarbon
PCA	Potentially Contaminating Activities
PCB	Polychlorinated Biphenyl
PHC	Petroleum Hydrocarbon
PUP	Property Underwriters Plan
PUR	Property Underwriters Report
RFO	Retail Fuel Outlet
RSC	Record of Site Condition
SAC	Spills Action Centre
TPH	Total Petroleum Hydrocarbon
TSSA	Technical Standards & Safety Authority
UFFI	Urea Formaldehyde Foam Insulation
UST	Underground Storage Tank
VOC	Volatile Organic Compound

1.0 INTRODUCTION

S2S Environmental Inc. (S2S) was retained by Your Home Developments (Mississauga) Inc. (Client) to conduct a Phase One Environmental Site Assessment (ESA) of the vacant residential property, municipally addressed as 5080 Ninth Line in Mississauga, Ontario (Phase One Property).

This Phase One ESA was completed in accordance with *O. Reg. 153/04 Records of Site Condition – Part XV.1 of the Environmental Protection Act (O. Reg. 153/04, as amended)*. It is understood that this Phase One ESA is being completed in support of a Site Plan Application with the City of Mississauga (the City); therefore, this Phase One ESA was completed in accordance with *O. Reg. 153/04 (as amended)*. The Phase One Property was reportedly owned and managed by Your Home Developments (Mississauga) Inc.

The purpose of the Phase One ESA was to identify where any PCAs are occurring, or have occurred, which may have resulted in the identification of current or historic APECs at the Phase One Property (i.e. PCAs as outlined in Table 2 of Schedule D of *O. Reg. 153/04 (as amended)*. The purpose of the Phase One ESA was also to determine whether a Phase Two ESA is required at the Phase One Property.

1.1 Phase One Property Information

At the time of the site reconnaissance, the Phase One Property consisted of one single-storey vacant residential building with a full basement (Subject Building); and one single-storey brick and vinyl clad garage and one single-storey storage shed on the central portion of the Phase One Property. The Subject Building was reportedly constructed in the mid-1960s. Vehicular access to the Phase One Property was from one gravel covered driveway off Ninth Line, located on the northeast side of the Phase One Property. Gravel covered surface parking/driveway areas were present on the south side and a portion of the east side of the Subject Building; on the north, east and south sides of the garage and storage shed; and on the northeast portion of the Subject Property. Overgrown vegetation was present on the north side, on a portion of the east side and the west side of the Subject Building and on the west side of the garage; and on the north, south and west portions of the Phase One Property. The total floor area of the Subject Building was reportedly 564 m^2 (6,071 ft^2), and the Phase One Property has a total area of 37,000 m^2 (398,265 ft^2). The Property Identification Number (PIN) for the Phase One Property is 24931-0183 (LT). At the time of the site reconnaissance, the Phase One Property was reportedly owned and managed by Your Home Developments (Mississauga) Inc.

The Phase One Property was located on the west side of Ninth Line in the City of Mississauga, approximately 210 m north of the intersection of Ninth Line and Eglinton Avenue West. The following drawings have been included in Appendix A of this report:

- Drawing No.1 - A site location map (Ontario Base Map (OBM));
- Drawing No. 2 - An aerial photograph depicting the Phase One Conceptual Site Model

(CSM) including the neighbouring land uses and locations of PCAs resulting in APECs on the Phase One Property; and
- Drawing No. 3 - A site plan showing the Phase One Property and the APECs on the Phase One Property.

Authorization to proceed with this Phase One ESA was received from Mr. Stewart Turk of Your Home Developments (Mississauga) Inc. on January 29, 2019. At the time of the Phase One ESA, the Phase One Property was owned by Your Home Developments (Mississauga) Inc. The owner contact information is as follows:

Table 1 - Property Ownership Details

Company Name	Your Home Developments (Mississauga) Inc.
Company Address	4965 Steeles Avenue West, Toronto, Ontario M9L 1R4
Company Contact Name	Mr. Stewart Turk, President
Contact Telephone Number	(416) 745-6686
Contact Email Address	sturk@yhdev.ca

2.0 SCOPE OF INVESTIGATION

2.1 Regulatory Framework

Applicable federal, provincial and municipal regulations were reviewed to identify the presence of current or historical PCAs which may have resulted in the identification of APECs at the Phase One Property, and to develop appropriate recommendations. It should be noted, however, that this assessment did not include a review or audit of operational environmental compliance and health and safety issues, zoning/property ownership issues, easements or encumbrances, or of any environmental management systems (EMS), which may exist for the property.

In Ontario, the roles and powers of the Ontario MECP when dealing with contaminated sites are outlined primarily in the Environmental Protection Act (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. *O. Reg. 153/04 (as amended)* (including amendments up to *O. Reg. 333/13*) - Records of Site Condition, provides advice and information 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 site. The regulation includes generic numerical standards for soil and groundwater quality for specific land and groundwater uses. A Phase One ESA is an initial step in the site assessment process, which may lead to the requirement for restoration work if actual or potential sources of environmental contamination are identified.

A Phase One ESA also involves a review of the Subject Buildings (if present) for the potential presence of hazardous materials related to building components and materials. Specific federal or provincial regulations exist for these individual hazardous materials. Where required, the

applicable regulation was utilized to determine appropriate conclusions and formulate appropriate recommendations.

2.2 Scope of Work

A Phase One ESA is a preliminary assessment of the environmental condition of a property, based on a review of current and historical activities occurring at both the Phase One Property and within 250 m of the boundaries of the Phase One Property. This Phase One ESA was completed to provide sufficient information to determine if any PCAs within 250 m of the Phase One Property boundaries have resulted in the identification of APECs at the Phase One Property, and to determine the necessity for a Phase Two ESA, if required, at the Phase One Property. The Phase One ESA carried out by S2S on this Phase One Property was based on the requirements of the *O. Reg. 153/04 (as amended).*

The Phase One ESA consisted of a Records Review including the following:

- Readily available city directories and FIPs from the Toronto Reference Library;
- Aerial photographs from the City of Mississauga Interactive Maps and Google Earth;
- Previous environmental reports (if made available to S2S);
- Information obtained from Opta Information Intelligence Inc. (Opta) including available PURs and PUPs (as requested and if available);
- An environmental database review completed by ERIS for both the Phase One Property and all properties within a 250 m radius of the Phase One Property boundaries;
- Selected topographic and geological maps;
- On-line Natural Heritage Areas mapping provided by the Ontario MNRF; and, on-line Land Use Plans, Natural Heritage System and Environmentally Significant Areas Maps, provided as part of the City of Mississauga Official Plan;
- Contact with selected regulatory officials and personnel associated with the Phase One Property (through FOI and TSSA) requests and personnel;
- A title search (detailing property ownership from Crown ownership to the present) was conducted for PIN 24931-0183 (LT), the PIN for the Phase One Property. The title search for the Phase One Property was conducted on March 25, 2019 at Land Registry Office #20, Milton, Ontario, and prepared by Stewart Davey Title Search;
- Site Reconnaissance;
- Reviewing the current and historical land use for both the Phase One Property and surrounding properties within the Phase One Study Area; and
- Evaluation of information and preparation of the Phase One ESA report provided herein.

The professional qualifications of the project team are provided in Appendix C.

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

As discussed in Section 1.1 above, the Phase One Property was located on the west side of Ninth Line in the City of Mississauga, approximately 210 m north of the intersection of Ninth Line and Eglinton Avenue West, and was municipally addressed as 5080 Ninth Line. The east portion of the Phase One Property was occupied by a one single-storey vacant residential building with a full basement (Subject Building); one single-storey brick and vinyl clad garage and one single-storey storage shed on the central portion of the Subject Property. The Subject Building was reportedly constructed in the mid-1960s. The remainder of the Phase One Property consisted of gravel covered parking areas and driveways and overgrown vegetation. The Phase One Property had a total area of 37,000 m^2 (398,265 ft^2), and was 220 m in length and 180 m in width.

The Phase One Study Area consisted of the Phase One Property and all adjacent or neighbouring land/properties located totally or partially within a 250 m radius of the Phase One Property boundaries. The applicable search distance for the records review for the Phase One Study Area included all properties within 250 m of the Phase One Property, where PCAs are occurring, or have occurred within the Phase One Study Area, and may have resulted in the identification of current or historical APECs at the Phase One Property (i.e. PCAs as outlined in Table 2 of Schedule D of *O. Reg. 153/04 (as amended)).* Properties located more than 250 m from the Phase One Property were not included in the Phase One Study Area based on our review of both current and historical property uses and activities, the inferred direction of groundwater flow, and the assumed permeability of the subsoils. S2S concluded that assessing information pertaining to properties within 250 m of the Phase One Property was sufficient to achieve the objectives of the Phase One ESA.

3.1.2 First Developed Use Determination

The first developed use was derived from an assessment of the available records, including, but not limited to, city directories, FIPs, aerial photographs, title search information, and information provided by knowledgeable persons associated with the Phase One Property.

Based on available information to-date, the Phase One Property was first developed with a residential building in approximately the mid-1960s.

3.1.3 Fire Insurance Plans

A search of FIP records was conducted on October 14, 2018 at the City of Toronto Reference Library. A request was also made to Opta on March 20, 2019, for any available FIPs for the Phase One Property and/or adjacent/neighbouring properties. According to the Opta response

to S2S, dated April 4, 2019, FIPs were not available through Opta for the Phase One Property and/or adjacent/neighboring properties.

3.1.4 City Directories

Based on a review of available City Directories from 1958, 1964 and 1969/1970, the Phase One Property was not listed at those times. Based on a review of the available City Directories, the Phase One Property was first listed as a residential property in 1975.

According to available City Directories 1958, 1964 and 1969/1970, the immediate adjacent/neighbouring properties to the northwest, southeast (across Ninth Line), southeast and southwest of the Phase One Property were not listed at those times. According to available City Directories, the adjacent properties to the northwest and southeast was first listed as residential properties in 1975. It should be noted that the adjacent/neighbouring properties to the northeast (across Ninth Line) and west of the Phase One Property were not listed in the 1958, 1964 and 1969/1970, 1975, 1979, 1985, 1990, 1995 and 2001 City Directories.

Based on a review of the available City Directories, no PCAs were identified within the Phase One Study Area.

3.1.5 Chain of Title

As discussed in Section 2.1 of this report, the PIN for the Phase One Property is PIN 24931-0183 (LT). A Chain of Title Search was completed for the Phase One Property on March 25, 2019 by Mr. Stewart Davey, a professional land title searcher, at Land Registry Office #20, Milton, Ontario. The Chain of Title was commissioned to determine the history of ownership and occupants of the Phase One Property dating back to Crown ownership. Table 8 - Current and Past Uses of the Phase One Property, (please refer to Section 8.1.2 of this report) provides a detailed list of all land owners of the Phase One Property with associated dates of ownership from Crown ownership to the present. A summary of the Chain of Title for the Phase One Property is provided in Table 2 below, and outlines individual and group ownership at the Phase One Property:

Table 2 - List of Individuals and Group Owners of the Phase One Property with the Reported Dates of Ownership

PIN	Owner(s)	Dates of Ownership
24931-0183 (LT) (former PIN 24931-0107 (LT))	Your Home Developments (Mississauga) Inc.	2017 to the present
	Spirit of Pentecost	2005 to 2017
	Joseph Civiero, Julia Civiero and Robert Civiero	1964 to 2005
	Denis Guiney and James O'Donnell	1963 to 1964
	Lajos Kovacs and Johan Kovacs	1953 to 1963
	Toyne Grice	1948 to 1953
	Thomas Morrissey, Fred O'Hara, the Estate of Michael O'Hara and the Estate of	1885 to 1948

PIN	Owner(s)	Dates of Ownership
	Catherine O'Hara	
	William Burkholder O'Hara	1884 to 1885
	Michael O'Hara	1883 to 1884
	William B. O'Hara and Michael O'Hara	1883 to 1883
	Mary O'Hara and Charles O'Hara	1830 to 1883
	Crown Lands	Prior to 1830

3.1.6 Previous Environmental Reports

S2S requested the Client to provide all available information for the Phase One Property with respect to the current Phase One ESA. Company records provided by the Client consisted of reports for previous environmental assessments of the Phase One Property.

A list of these documents is provided in Appendix B. These previous reports/documents were used as sources of background information by S2S during the completion of this Phase One ESA report.

A summary of each of the previous environmental reports is discussed below:

"Pre-Demolition Designated Substance Survey, Vacant House and Garage, 5080 9th Line, Mississauga, Ontario" report, prepared for the Client, prepared by Fisher Environmental Ltd. (Fisher), dated December 18, 2017 (hereinafter referred to as the "2017 Fisher DSS Report").

In 2017, Fisher completed a Pre-Demolition Designated Substance Survey (DSS) for the Phase One Property. The following information within the 2017 Fisher DSS Report was of note:

- The purpose of this DSS was to identify any ACMs and other designated substances (i.e. lead, mercury, silica, acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates and vinyl chloride) within the Subject Building and other structures;
- Fisher collected 19 bulk samples of potential ACMs (textured finishes, plaster/drywall joint compound, window caulking, roofing materials and vinyl floor tiles). According to the laboratory analytical results, with the exception of the exterior window caulking samples (which were found to contain 0.5% to 5% Chrysotile), all other samples were determined to be non-ACMs. Fisher recommended that "prior to demolition of the building, all asbestos-containing materials must be removed from the Site in accordance to the Ministry of Labour (MOL) regulation 278/05" and be disposed of at a MECP licenced landfill "in accordance with Ontario Regulation (O. Reg.) 558/00";
- According to the 2017 Fisher DSS Report, acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates and vinyl chloride were not observed within the Subject Building and other structures at the time of Fisher's site visit;
- According to the 2017 Fisher DSS Report, lead sampling was not completed as part of this survey. Fisher recommended that prior to any lead-containing material be disturbed or removed, appropriate lead abatement procedures should be followed;

- According to the 2017 Fisher DSS Report, mercury is presumed to be present in flourescent light tubes (which were located in the garage) and thermostatic controls for the Subject Building. Fisher recommended that presumed mercury-containing fluorescent light tubes and thermostats be removed and disposed of in accordance with O. Reg 558/00; and
- According to the 2017 Fisher DSS Report, silica is expected to be found within the concrete block, brick and concrete floor components within the Subject Building, garage and storage shed. Fisher recommended that during demolition when these components are disturbed, workers involved in the demolition should utilize respirators as outlined in the applicable MOL guidelines.

"Phase I Environmental Site Assessment, 5080 Ninth Line, Mississauga, Ontario" report, prepared for Your Home Developments (Mississauga) Inc., prepared by S2S, dated July 27, 2018 (hereinafter referred to as the "2018 S2S Phase I ESA Report").

In 2018, S2S completed a Phase I ESA (completed in accordance to the Canadian Standards Association (CSA) (Z768-01 (R2016), November 2001, reaffirmed in 2016) for the Phase One Property. The following information within the 2018 S2S Phase I ESA Report was of note:

- At the time of the 2018 assessment, the Phase One Property consisted of one single-storey vacant residential building with a full basement (Subject Building); one single-storey brick and vinyl clad garage and one single-storey storage shed on the central portion of the Subject Property;
- The Subject Building was reportedly constructed in approximately the mid-1960s;
- A suspect grove was present on the northwest side of the single-storey brick and vinyl clad garage from approximately the early 1950s to the mid-1990s. Given the size of the suspect grove, it was assumed this suspect grove was used for personal use. Based on available information to-date, the likelihood of current significant adverse environmental contaminant impact to the Subject Property from the above-noted historical suspect grove appears low.

Based on the findings of this assessment, S2S concluded that *"based on information gathered and observations made to-date, the Phase I ESA has revealed that the likelihood of current significant adverse environmental contaminant impact to the Subject property appears low"* and *"there are no recommendations made for a Phase II ESA at the Subject property at this time based on the findings of this Phase I ESA"*.

These previous reports/documents were used as a source of background information by S2S during the completion of this Phase One ESA report.

3.2 Environmental Source Information

3.2.1 Selected Regulatory History

Appropriate selected regulatory agencies at the provincial level (MECP) and TSSA were contacted (via the FOI process) to determine if there had been any reported incidents for the Phase One Property (see Appendix D for sources contacted). Information that was requested included:

i). Environmental permits;
ii). Past or pending environmental control orders, charges, convictions or complaints;
iii). Outstanding environmental regulatory non-compliance issues, including reportable spills; and
iv). Any other pertinent information they may provide with respect to environmental search requests.

Technical Standards & Safety Authority

Correspondence with the TSSA on July 9, 2018 indicated that there were no records on file (from 1990 to present) indicating any historical or present ASTs or USTs (for private/retail fuel outlets (PFOs/RFOs) at either the Phase One Property or the following properties located within the Phase One Study Area:

- 5054, 5104 and 5150 Ninth Line, Mississauga; and
- 3996 Skyview Street, Mississauga.

It should be noted that the Fuels Safety Division of the TSSA did not license or register private fuel underground/aboveground storage tanks prior to January of 1990 or furnace oil tanks prior to May 1, 2002. Also note that the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences or aboveground gasoline or diesel tanks for non-retail fuel outlets.

MECP Freedom of Information and Privacy Protection Office

A written request was made to the FOI and Privacy Protection Office, of the MECP, on July 11, 2018, for any information available at the MECP York-Durham District Office, Investigations and Enforcement Branch, Sector Compliance Branch, and/or Drinking Water Branch in regards to the Phase One Property. A written response dated August 7, 2018 was received on August 9, 2018. Based on a review of the above-noted response, no PCAs were identified within the Phase One Property.

MECP Publications Review

A review of the following publications and databases was carried out as part of this ESA:

1. MECP Inventory of Coal Gasification Plant Waste Sites in Ontario, Vol. I & II, April, 1987;
2. MECP Waste Disposal Site Inventory, June, 1991;
3. MECP Ontario Inventory of PCB Storage Sites, October, 2004;
4. The MECP on-line HWIN, Registered Generator List (April, 2019);
5. The MECP on-line Brownfields Environmental Site Registry (October, 2004 to April, 2019); and
6. MECP HWIS, Public Information Data Set, 1986 to 2016.

Table 3 - Summary of MECP Inventories

Record	Location/Distance	Assumed Groundwater Gradient	Conclusion
Waste Disposal Site	None identified	N/A	N/A
PCB Storage Site	None identified	N/A	N/A
Coal Gasification Plant Waste Sites	None identified	N/A	N/A

As noted in Table 3, the review of the above-noted publications did not indicate the presence of any nearby coal gasification plant waste sites, historical waste disposal sites or PCB storage sites within 1 km of the Phase One Property.

Furthermore, the Phase One Property and the immediate adjacent/neighbouring properties were not listed on the Brownfields Environmental Site Registry in accordance with the Record of Site Condition (O. Reg. 153/04 as amended) requirements of Part XV.1 of the Environmental Protection Act.

The Phase One Property was not listed in the MECP HWIN (Aril, 2019) or MECP HWIS (1986 to 2016) lists as current or historical generators of registerable wastes.

However, the following neighbouring property, located within the Phase One Study Area, was listed in the MECP HWIN (April, 2019) list as a generator of registerable wastes. Information with regards to this listing has been reviewed and summarized in Table 4 accordingly.

Table 4 - HWIN Summary

Generator Number	Generator Name	Location	Assumed Groundwater Direction	Waste Information
ON4102838	Churchill Meadows Animal Hospital Prof. Corp.	5170 Ninth Line (approximately 110 m northwest of the Subject Property)	Up-gradient	Photoprocessing wastes (264 L); and Pathological (312 P)

Observations of the above-noted neighbouring property (where accessible/visible) did not reveal any visual evidence of outside chemical storage in drums and obvious visual evidence of spills or staining. Based on our visual observations and available information to-date, it is unlikely that the generation of registerable wastes at the above-noted neighbouring property

represents an environmental concern to the Phase One Property.

The immediate adjacent/neighbouring properties were not listed in the MECP HWIS (1986 to 2016) list as a historical generator of registerable wastes.

Based on the above regulatory history searches and responses or information received (from regulatory agencies) to-date, and our visual observations, it is unlikely that information included in the regulatory searched represents an environmental concern to the Phase One Property.

Environmental Risk Information Service (ERIS) Report

An ERIS Report was requested and reviewed as part of this Phase One ESA. A copy of the report is provided in Appendix F. The following is a summary of pertinent information (that could be considered a potential environmental concern to the Phase One Property) associated with the Phase One Property and adjacent/neighbouring properties within the Phase One Study Area.

Phase One Property

TSSA Historical Incident (HINC) Database:

- According to the ERIS report, Phase One Property was registered in the HINC database for vapour release of natural gas into the air due to a bobcat colliding with a natural gas meter in July 17, 2008.

Based on the nature (i.e. natural gas release to air) of this incident, it is unlikely that there is significant adverse environmental contaminant impact to the Phase One Property from the above-noted record in the HINC database.

Water Well Information System (WWIS) Database

- According to the ERIS report, a record was present for the Phase One Property in the WWIS database in 2017.

Based on discussions with the Client, a potable water well was historically located on the central portion of the Phase One Property. The Client retained S2S in June, 2017 to complete a well abandonment program for this potable water well. Based on discussions with the Client and information available in S2S's files, this potable water well was abandoned in accordance to O. Reg. 903 at that time. It is assumed that the above-noted record was associated with the well abandonment.

Adjacent/Neighbouring Properties within the Phase One Study Area

Water Well Information System (WWIS) Database:

- According to the ERIS report, a total of 17 observation/monitoring/domestic water wells were listed within a 250 m radius of the Phase One Property. A summary of the well records indicated the following:
  - The wells were installed between 1956 and 2017;
  - The wells depths ranged from 4.3 m bgs to 42.6 m bgs;
  - The wells were completed as observation/monitoring/domestic water wells.

Regulatory Information Summary

Based on the above regulatory history searches and responses or information received (from regulatory agencies) to-date, and our visual observations, it is unlikely that information included in the regulatory searched represents an environmental concern to the Phase One Property.

Property Underwriters' Reports and Property Underwriters' Plans

A search for the Phase One Property was completed by Opta to obtain available PURs/PUPs. There were no records available with regards to the Phase One Property from Opta.

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

Selected aerial photographs were obtained from the City of Mississauga Interactive Maps and Google Earth Images for the years 1954, 1966, 1975, 1980, 1985, 1992, 2000, 2004, 2006, 2008, 2009, 2010, 2012, 2013, 2015, 2015, 2016, 2017 and 2018. Aerial photographs for the years 1954, 1966, 1975, 1985, 1992, 2006 and 2018 are provided in Appendix H of this report. The aerial photographs covered the timeframe from the period after first developed use of the Phase One Property to near current time, and included both initial development and the historical development patterns of the immediate adjacent/neighbouring properties within the Phase One Study Area. In order to determine both the initial development and historical development patterns of the Phase One Property and the Phase One Study Area, S2S selected aerial photographs from the above noted years, based on both availability/clarity. Table 5 below summarizes the information from the review of relevant aerial photographs.

Table 5 - Summary of Aerial Photography

Year of Photograph	Findings for Phase One Property and Adjacent/Neighbouring Properties	
2018	Phase One Property:	The east portion of the Phase One Property appeared to be developed with one inferred building and two inferred structures

Year of Photograph	Findings for Phase One Property and Adjacent/Neighbouring Properties	
		of similar sizes and configurations to the current Subject Building, garage and storage shed.
	Northwest:	The adjacent properties to the northwest of the Phase One Property appeared to be developed with two inferred single-family residential dwellings with similar sizes and configurations to the current single-family residential dwellings on those properties.
	Northeast:	The neighbouring properties to the northeast (across Ninth Line) of the Phase One Property appeared to be developed with five inferred single-family residential dwellings with similar sizes and configurations to the current single-family residential dwellings on these properties.
	Southeast:	The adjacent property to the southeast of the Phase One Property appeared to be developed with one inferred single-family residential dwelling with a similar size and configuration to the current single-family residential dwelling on that property.
	Southwest:	The adjacent property to the southwest of the Phase One Property appeared to be developed with an inferred highway.
2006	Phase One Property, Northwest, Northeast, Southeast and Southwest:	The Phase One Property and the adjacent/neighbouring properties to the northwest, northeast (across Ninth Line), southeast and southwest of the Phase One Property appeared to be similar to that observed in the 2018 aerial photograph.
1992	Phase One Property, Northwest and Southeast:	The Phase One Property and the adjacent properties to the northwest and southeast of the Phase One Property appeared to be similar to that observed in the 2006 aerial photograph.
	Northeast:	The neighbouring properties to the northeast (across Ninth Line) appeared to be developed with inferred agricultural farm complexes.
	Southwest:	The adjacent property to the southwest of the Phase One Property appeared to be undeveloped or used for agricultural purposes.
1985	Phase One Property, Northwest, Northeast, Southeast and Southwest:	The Phase One Property and the adjacent/neighbouring properties to the northwest, northeast (across Ninth Line), southeast and southwest of the Phase One Property appeared to be similar to that observed in the 1992 aerial photograph.
1975	Phase One Property, Northwest, Northeast, Southeast and Southwest:	The Phase One Property and the adjacent/neighbouring properties to the northwest, northeast (across Ninth Line), southeast and southwest of the Phase One Property appeared to be similar to that observed in the 1985 aerial photograph.
1966	Phase One Property, Northwest, Northeast, Southeast and Southwest:	The Phase One Property and the adjacent/neighbouring properties to the northwest, northeast (across Ninth Line), southeast and southwest of the Phase One Property appeared to be similar to that observed in the 1975 aerial photograph.
1954	Phase One Property, Northwest, Northeast, Southeast and Southwest:	The Phase One Property and the adjacent/neighbouring properties to the northwest, northeast (across Ninth Line), southeast and southwest of the Phase One Property appeared to be undeveloped or used for agricultural purposes.

The earliest available aerial photograph with coverage of the Phase One Study Area was from 1954, which indicated that the Phase One Property and the adjacent/neighbouring properties to the northwest, northeast (across Ninth Line), southeast and southwest of the Phase One Property appeared to be undeveloped or used for agricultural purposes at that time. According to the 1966 aerial photograph, the Phase One Property and the adjacent/neighbouring

properties to the northwest, northeast (across Ninth Line) and southeast of the Phase One Property appeared to be developed with inferred agricultural farm complexes (including a single-family residential dwelling) at that time. According to the 2006 aerial photograph, the adjacent property to the west of the Phase One Property appeared to be developed with an inferred highway at that time.

Based on available aerial photographs, a grove appeared to be present on the northwest side of the single-storey brick and vinyl clad garage from approximately the early 1950s to the mid-1990s. Furthermore, according to discussions with the Client, the Phase One Property was occupied by an agricultural farm complex from approximately the mid-1960s to 2017. Based on the presence of this grove and historical agricultural operations at the Phase One Property, it is possible that large-scale application of pesticides and/or herbicides may have occurred at the Phase One Property during this time, and may represent an environmental concern to the Phase One Property.

3.3.2 Topography, Hydrology, and Geology

Topography

Topographic information obtained from Google Earth, showed the site elevation to range from approximately 188 m to 192 m above mean sea level (asl). The ground surface at the Phase One Property was generally visually noted to be flat, and surface water at the Phase One Property was assumed to infiltrate into the on-site areas of overgrown vegetation; or drain towards off-site catch basins, which reportedly discharged to the municipal storm sewer system. It should be noted that the immediate adjacent/neighbouring properties to the northwest, northeast (across Ninth Line) and southeast of the Phase One Property visually appeared to be generally at the same elevation as the Phase One Property; while the adjacent property to the southwest of the Phase One Property visually appeared to be generally at a higher elevation than the Phase One Property.

Hydrology

The shallow horizontal groundwater flow direction in the area, based on apparent topography, was likely southeast towards a tributary of Credit River, located approximately 1.0 km southeast of the Phase One Property. It should be noted that the direction of shallow groundwater flow in limited areas are also be influenced by the presence of underground utility corridors and is not necessarily a reflection of local groundwater flow or a replica of the Phase One Property or area topography.

Geology

Based on available surficial geology maps, accessed using Google Earth, the native surficial soils in the vicinity of the Phase One Property, are reportedly predominantly comprised of sandy Clay to silt-textured till. Available geology maps (Ontario Geological Survey (OGS) database "Surface Geology Report") indicated that the Phase One Study Area is comprised of

red to brown gritty silt to clayey silt till.

According to information provided in the reviewed ERIS report, a search of the WWIS database for the Phase One Property and Phase One Study Area indicated that a total of 17 water well sites were located within the Phase One Study Area. WWIS Well ID No. 2804137, a domestic/potable water well, was advanced on August 19, 1973, on the Phase One Property (UTM Zone 17, UTM Co-ordinates Northing – 4821230, Easting – 602089.6). In addition, it should be noted that S2S obtained the well record for this domestic/potable water well as part of a provincial online well record search. This well was reportedly advanced to a depth of 22.9 m bgs and consisted of the following stratigraphy:

- Brown topsoil from ground surface to a reported depth of approximately 0.6 m bgs;
- Brown clay from a reported depth of 0.6 m bgs to a reported depth of approximately 4.3 m bgs;
- Grey clay from a reported depth of 4.3 m bgs to a reported depth of approximately 15.2 m bgs;
- Red clay from a reported depth of 15.2 m bgs to a reported depth of approximately 15.8 m bgs;
- Grey packed clay from a reported depth of 15.8 m bgs to a reported depth of approximately 18.9 m bgs;
- Brown hardpacked sand and stones from a reported depth of 18.9 m bgs to a reported depth of approximately 22.6 m bgs; and
- Black sand from a reported depth of 22.6 m bgs to a reported depth of 22.9 m bgs (the maximum extent of the domestic water well).

It should be noted that the Client retained S2S in June, 2017 to complete a well abandonment program for the above-noted on-site domestic/potable water well. Based on discussions with the Client and information available in S2S's files, this domestic/potable water well was abandoned in accordance to O. Reg. 903 at that time.

Based on the OGS database "Bedrock Geology of Ontario" (2011), the Phase One Property is assumed to be underlain by shale, limestone, dolostone and siltstone from the Queenston Formation. According to information provided in the ERIS report, bedrock was not encountered in any of the boreholes (completed as domestic and observations/monitoring wells) at the Phase One Property and Phase One Study Area. Depth to bedrock is anticipated to be deeper than the deepest extent (42.6 m bgs) of the domestic and observation/monitoring wells advanced at the Phase One Property and in the Phase One Study Area.

3.3.3 Fill Materials

At the time of the site reconnaissance, fill materials were not observed at the Phase One Property. However, fill materials may have been applied at various locations when the Phase One Property was in the process of being developed (i.e., construction/development).

In addition to this, due to the inherent nature of properties immediately adjacent to roadways and the common use of road salt during the winter months, the application of road salt along Ninth Line and Highway No. 407 may represent a potential environmental concern along the east and west property boundary of the Phase One Property. However, as road salt on Ninth Line and Highway No. 407 was applied for the purposes of keeping this street safe for traffic under conditions of snow or ice, exemptions for potential road salt impacts to the Phase One Property are provided for under Section 2 of *Regulation 339* of the Revised Regulations of Ontario, 1990 (Classes of Contaminant – Exemptions).

3.3.4 Water Bodies and Areas of Natural Significance

The Phase One Study Area and the Phase One Property are situated in a developed portion of the City of Mississauga. The City of Mississauga Official Plan and the Areas of Natural and Scientific Interest (ANSI) maps provided on-line were reviewed to determine if an environmentally sensitive area is located within the Phase One Study Area. Based on this review of these plans and maps, the following is of note:

- No water bodies or other permanent bodies of water were identified on the Phase One Property or in the Phase One Study Area;
- The closest water body to the Phase One Property, a tributary of Credit River, is located approximately 1.0 km southeast of the Phase One Property, and approximately 750 m southeast of the Phase One Study Area;
- No Environmentally Sensitive Areas were identified on the Phase One Property; and
- No ANSIs were identified on the Phase One Property or in the Phase One Study Area.

At the time of the site reconnaissance, there was no evidence of stressed vegetation (potentially associated with PCAs or APECs), pits, potable water wells, standing water, lagoons or watercourses observed on the Phase One Property.

3.3.5 Well Records

As indicated in Section 3.3.2 above, according to information provided in the reviewed ERIS report, a search of the WWIS database for the Phase One Property and Phase One Study Area indicated that a total of 17 water well sites were located within the Phase One Study Area. WWIS Well ID No. 2804137, a domestic/potable water well, was advanced on August 19, 1973, on the Phase One Property (UTM Zone 17, UTM Co-ordinates Northing – 4821230, Easting – 602089.6). In addition, it should be noted that S2S obtained the well record for this domestic/potable water well as part of a provincial online well record search. This monitoring well was reportedly advanced to a depth of 22.9 m bgs and consisted of the following stratigraphy:

- Brown topsoil from ground surface to a reported depth of approximately 0.6 m bgs;
- Brown clay from a reported depth of 0.6 m bgs to a reported depth of approximately 4.3 m bgs;
- Grey clay from a reported depth of 4.3 m bgs to a reported depth of approximately 15.2

m bgs;
- Red clay from a reported depth of 15.2 m bgs to a reported depth of approximately 15.8 m bgs;
- Grey packed clay from a reported depth of 15.8 m bgs to a reported depth of approximately 18.9 m bgs;
- Brown hardpacked sand and stones from a reported depth of 18.9 m bgs to a reported depth of approximately 22.6 m bgs; and
- Black sand from a reported depth of 22.6 m bgs to a reported depth of 22.9 m bgs (the maximum extent of the domestic water well).

It should be noted that the Client retained S2S in June, 2017 to complete a well abandonment program for the above-noted on-site domestic/potable water well. Based on discussions with the Client and information available in S2S's files, this domestic/potable water well was abandoned in accordance to O. Reg. 903 at that time.

3.3.6 Site Operating Records

The Phase One Property was reportedly first developed with an agricultural farm complex in approximately mid-1960s. Due to the historical and current property land use, the Phase One Property is not considered an Enhanced Investigation Property in accordance with the requirement of *O. Reg. 153.04*, as amended, under the Environmental Protection Act.

No Site Operating Records for the Phase One Property were provided to S2S for review.

4.0 INTERVIEWS

Interviews were carried out by S2S to obtain information to assist S2S in identifying PCAs or APECs in, on, or below the Phase One Property. The following individual was identified as the individual to be most knowledgeable regarding current and historical operations at the Phase One Property.

- Mr. Steve Shirriff (Property Owner's Representative) of Your Home Developments (Mississauga) Inc. was interviewed by Ms. Rubama Nazifa of S2S during completion of the site reconnaissance on July 10, 2018.

Information gathered from this interview is outlined below and included throughout this Phase One ESA report. The detail of the interviews is contained within S2S' site inspection field notes.

Table 6 - Summary of Interview Details

Name of Person Interviewed and Name of Company	Position	Interview Details (Date, Place, Method)	Relevant Information from Interview
Mr. Steve Shirriff of Your Home Developments (Mississauga) Inc.	Property Owner's Representative	Interviewed during the site reconnaissance on July 10, 2018, for information pertaining to the Phase One Property operations and possible historical knowledge. Interviewed in person on July 10, 2018.	Mr. Shirriff provided an overview of current and historical operations at the Phase One Property, including heating methods, chemical use/storage, information on current and previous tenants, and information on the previous environmental investigation.

A summary of interviewees and contact information is presented in Appendix D.

5.0 SITE RECONNAISSANCE

5.1 General Requirements

The Phase One ESA site reconnaissance was conducted on July 10, 2018 by Ms. Nazifa of S2S, under the supervision of Mr. Milan Makusa, P. Geo., a Qualified Person as defined by *O. Reg. 153/04*. The weather was sunny and the ambient temperature was approximately 30°C on July 10, 2018. The S2S representative was accompanied by Mr. Shirriff at the time of the site reconnaissance.

S2S was permitted to access all areas of the Subject Building with the exception of the basement (which was flooded at the time of the site reconnaissance). However, the basement of the Subject Building was visually observed from the interior stairways of the Subject Building. Additionally, all of the exterior areas of the Phase One Property were also accessible to S2S for inspection. It should be noted that the garage and storage shed on the central portion of the Phase One Property were locked and inaccessible to S2S at the time of the site reconnaissance. However, S2S was able to view portions of the interior of the garage and storage shed through exterior windows. Furthermore, it should be noted that the roof of the Subject Building was not accessed due to safety concerns.

The Phase One Property and readily visible and publicly accessible portions of the adjacent and neighbouring properties were examined for the presence and identification of PCAs and/or APECs associated with the Phase One Property during the site reconnaissance.

Selected photographs of the Phase One Property and some of the adjacent and neighbouring properties within the Phase One Study Area are included in Appendix E.

5.2 Specific Observations at the Phase One Property

5.2.1 Site Description

At the time of the site reconnaissance, the Phase One Property consisted of one single-storey vacant residential building with a full basement (Subject Building); and one single-storey brick and vinyl clad garage and one single-storey storage shed on the central portion of the Phase One Property. The Subject Building was reportedly constructed in the mid-1960s. Vehicular access to the Phase One Property was from one gravel covered driveway off Ninth Line, located on the northeast side of the Phase One Property. Gravel covered surface parking/driveway areas were present on the south side and a portion of the east side of the Subject Building; on the north, east and south sides of the garage and storage shed; and on the northeast portion of the Subject Property. Overgrown vegetation was present on the north side, on a portion of the east side and the west side of the Subject Building and on the west side of the garage; and on the north, south and west portions of the Phase One Property. The total floor area of the Subject Building was reportedly 564 m^2 (6,071 ft^2), and the Phase One Property has a total area of 37,000 m^2 (398,265 ft^2). The PIN for the Phase One Property is 24931-0183 (LT). At the time of the site reconnaissance, the Phase One Property was reportedly owned and managed by Your Home Developments (Mississauga) Inc.

A summary of pertinent information on the Phase One Property is presented below in Table 7.

Table 7 - Summary of Property Information

Phase One Property	
Legal Description	Part Lot 1, Concession 9 (New Survey) Geographic Township of Trafalgar, (formerly in the Town of Milton), City of Mississauga, Region of Peel
PIN	24931-0183 (LT)
Max Length, Max Width	220 m, 180 m
Area	37,000 m^2 (398,265 ft^2)
Exit and Entry Points of the Phase One Property	Vehicular access to the Phase One Property was from one gravel covered driveway off Ninth Line, located on the northeast side of the Phase One Property.
Approximate Location of Utility Services: Sewer, Water, Natural Gas, Electricity	Utility drawings were not available for the Phase One Property; however, based on discussions with Mr. Shirriff, all services were disconnected at the time of the site reconnaissance.
Potable/Non-Potable Water Sources	Based on discussions with Mr. Shirriff, water and sewer services were disconnected at the time of the site reconnaissance.

Subject Building	
Number and Age of Physical Structures	Approximately the mid-1960s (approximately 54 years old in 2019)
Number of Storeys	Single-storey
Basement or Below Grade Structures	Full basement
Foundation Walls	Concrete block
Roofs	Pitched asphalt shingles
Details of Tanks (ASTs/USTs)	No obvious visual evidence of chemical or fuel storage in USTs or ASTs was observed at the Phase One Property (where visible) at the time of the site reconnaissance.
Heating Systems (Existing and Former Heating Systems: Type and Fuel Source)	**Heating at the time of Site Reconnaissance** Heating system disconnected at the time of the site reconnaissance **Historic Heating** Natural gas-fired forced air furnace
Cooling Systems (Existing and Former Cooling Systems: Type and Fuel Source)	**Cooling at the time of Site Reconnaissance** Cooling systems disconnected at the time of the site reconnaissance **Historic Cooling** Exterior electric AC unit
Drains, Pits, Sumps (Use and Former Use)	At the time of the site reconnaissance, one sump pump was reported to be located in the basement of the Subject Building. However, based on discussions with Mr. Shirriff, the sump pump was disconnected at the time of the site reconnaissance (leading to the flooding of the basement of the Subject Building).

5.2.2 Underground/Aboveground Storage Tanks

No obvious visual evidence of chemical or fuel storage in USTs or ASTs was observed at the Phase One Property (where visible) at the time of the site reconnaissance. Furthermore, no obvious visual evidence of vent or fill pipes indicating the potential presence of abandoned or decommissioned USTs was identified at the Phase One Property.

At the time of the site reconnaissance, no chemical storage was observed on the Phase One Property.

Based on the above observations, it is unlikely that current chemical handling/storage at the Phase One Property represents an environmental concern to the Phase One property.

5.2.3 Fill Materials

At the time of the site reconnaissance, fill materials were not observed at the Phase One Property.

5.2.4 Stressed Vegetation

At the time of the site reconnaissance, there was no obvious visual evidence of stressed vegetation (potentially associated with environmental contaminant impact) on the Phase One Property.

5.2.5 Water Bodies and Water Wells

At the time of the site reconnaissance, there was no obvious visual evidence of potable water wells, standing water, lagoons or watercourses observed on the Phase One Property.

5.2.6 Waste Materials

There was no evidence of the generation of hazardous and non-hazardous wastes at the Phase One Property at the time of the site reconnaissance. No waste material was generated at the Phase One Property.

Based on the above observations, it is unlikely that waste materials generated and stored at the Phase One property represent an environmental concern to the Phase One Property.

5.2.7 Spill and Stain Areas

The interior floors of the Subject Building, garage and storage shed, in the accessed areas, were observed to be generally ceramic/vinyl tiles, hardwood, concrete slab and carpet in the Subject Building; and concrete slab in the garage and storage shed. These floor areas were visually noted to be in fair to good condition with minor surface cracking observed in the concrete floors.

At the time of the site reconnaissance, no obvious visual evidence of significant staining or spills was observed in the accessed areas of the Subject Building and on the exterior areas of the Phase One Property.

Based on the information obtained during the site reconnaissance, it is unlikely that spill and stained areas at the Phase One Property represent an environmental concern to the Phase One Property.

5.2.8 Wastewater Discharges

Based on the areas accessed, process wastewater was not reported to be produced as part of the on-site operations. There was no wastewater discharge at the Phase One Property.

Based on the information obtained during the site visit, it is unlikely that wastewater discharges at the Phase One Property represent an environmental concern to the Phase One Property.

5.2.9 Air Discharges

No sources of air emissions that are suspected to result in significant residual contamination to the property were identified to be present on the Phase One Property.

5.2.10 Polychlorinated Biphenyls (PCBs)

It was historically common to use PCBs in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. The federal Environmental Contaminants Act, 1976, prohibited the use of PCBs in heat transfer and electrical equipment installed after September 1, 1977, and in transformers and capacitors installed after July 1, 1980. In addition, the storage and disposal of PCB waste materials is regulated.

It should be noted that as per PCB Regulations SOR/2008-273, there is a requirement to phase out the usage of PCB containing equipment, as classified below:

Table 8 - Phase Out Dates for PCB Containing Equipment Usage

Equipment Types	Phase Out Dates Requirement
(i) Electrical capacitors, other than light ballasts, and electrical transformers and their auxiliary electrical equipment, other than pole-top electrical transformers and their pole-top auxiliary electrical equipment (ii) Electromagnets that are not used in the handling of food, feed or any additive to food or feed, and (iii) Heat transfer equipment, hydraulic equipment, vapour diffusion pumps and bridge bearings	(a) December 31, 2009, in the case of equipment containing PCBs in a concentration of 500 mg/kg or more; or (b) In the case of equipment containing PCBs in a concentration of at least 50 mg/kg but less than 500 mg/kg: • December 31, 2009, if the equipment is located at a drinking water treatment plant or food or feed processing plant, in a child care facility, preschool, primary school, secondary school, hospital or senior citizens' care facility or on the property on which the plant or facility is located and within 100 m of it, or • December 31, 2025, if the equipment is located at any other place.
Light ballasts, and pole-top electrical transformers and their pole-top auxiliary electrical equipment with PCBs in a concentration of 50 mg/kg or more	December 31, 2025
Any other type of PCB-containing equipment with liquid containing 2 mg/kg or more of PCBs	Until the day on which the liquid is removed from the equipment

An undetermined number of fluorescent light fixtures were present at the Phase One Property.

Based on the construction date (approximately the mif-1960s) of the Subject Building, it is possible that electrical equipment containing PCBs is present at the Phase One Property.

There were no environmental concerns noted with respect to PCBs at the Phase One Property. If on-site electrical equipment from the Subject Building is being serviced or decommissioned, appropriate testing and inspection of the equipment should be undertaken to determine if PCBs are present.

5.2.11 Asbestos

The common use of potential friable (breakable by hand) asbestos-containing materials (ACMs) (pipe/boiler insulation and fireproofing) in construction generally ceased voluntarily in the mid-1970s; however, ACMs are known to be present in buildings constructed as late as 1990. Further, asbestos is still utilized in the manufacturing of some vinyl floor tiles and cement products (i.e. Transite piping and paneling). As of November 1, 2005, an updated asbestos regulation (O. Reg. 278/05 made under the Occupational Health and Safety Act) came into effect. Asbestos surveys undertaken prior to November 1, 2005 that were not conducted in accordance to O. Reg. 278/05, should be reviewed and reassessed to determine if they meet the requirements of the new regulation. Materials known or suspected to contain asbestos should be assessed and, asbestos management plans should be implemented.

As noted in Section 3.1.6, Fisher reportedly completed a pre-demolition DSS for the Phase One Property in 2017. Fisher collected 19 bulk samples of potential ACM (textured finishes, plaster/drywall joint compound, window caulking, roofing materials and vinyl floor tiles). According to the laboratory analytical results, with the exception of the exterior window caulking samples (which were found to contain 0.5% to 5% Chrysotile), all other samples were determined to be non-ACMs. Fisher recommended that "prior to demolition of the building, all asbestos-containing materials must be removed from the Site in accordance to the Ministry of Labour (MOL) regulation 278/05" and be disposed of at a MECP licenced landfill "in accordance with Ontario Regulation (O. Reg.) 558/00".

At the time of the site reconnaissance, the suspect ACM materials observed in the accessed areas were generally noted by S2S to be in good condition. Based on discussions with the Client, it is S2S's understanding that the Subject Building is slated for demolition and the above-noted item will be appropriately abated prior to demolition.

5.2.12 Urea Formaldehyde Foam Insulation (UFFI)

The sale and installation of UFFI as thermal insulation began in approximately 1970, and continued until December 1980 when it was banned under the federal Hazardous Products Act. UFFI was installed in both new and existing buildings during this period. UFFI can begin to deteriorate if exposed to water and moisture and this will result in formaldehyde gas emission. While small amounts of formaldehyde are harmless, it is an irritating and toxic gas in significant concentrations.

As the Subject Building was in existence during the period from 1970 to 1980, it is possible that UFFI may be present at the Phase One Property. However, evidence of UFFI was not observed in the accessed areas during the site reconnaissance. It should be noted that the

assessment for UFFI was not exhaustive and analyses were not performed to confirm the absence of UFFI.

There were no environmental concerns noted with respect to UFFI at the Phase One Property.

5.2.13 Lead

In 2005 and updated on April 8, 2011, the allowable lead content in paint was limited to 0.009% (90 ppm) by weight by the federal Surface Coating Materials Regulations, SOR/2005-109 under the Hazardous Products Act. Lead is also associated with plumbing solder and old pipes (pre-1990) as well as other lead-based products such as wall shielding (x-ray rooms).

Based on the construction date (approximately the mid-1960s) of the Subject Building it is possible that lead is present in paint and plumbing materials. Visual observations (where possible) did not indicate the presence of peeling paint in the accessed areas of the Subject Building.

There were no environmental concerns noted with respect to lead in the accessible areas of Phase One Property.

5.2.14 Ozone Depleting Substances (ODSs)

The federal government filed the Ozone-Depleting Substances Regulations (1998 and its subsequent amendments) to control the import, manufacture, use, sale and export of ODSs. These ODSs include: halons, carbon tetrachloride, chlorofluorocarbons (CFCs) (often referred to as Freon), methyl chloroform, hydrobromofluorocarbons (HBFCs), methyl bromide and hydrochlorofluorocarbons (HCFCs).

The dates for 100% reduction of halons, carbon tetrachloride, CFCs, methyl chloroform, HBFCs, and methyl bromide, as a result of their ozone-depleting characteristics, reportedly ranged from January 1, 1994 to January 1, 2005. The dates for 65%, 90%, 99.5% and 100% reduction of HCFCs are reportedly January 1, 2010, January 1, 2015, January 1, 2020 and January 1, 2030, respectively. There were also restrictions on the refill of equipment such as mobile air-conditioning units, mobile refrigeration, household appliances, commercial refrigeration and air-conditioning and chillers with CFCs as of 2006. However, there are no restrictions on the use of HCFCs as refrigerants in the refrigeration and air-conditioning sectors. Furthermore, currently, there is no prohibition on the sale of refrigeration or air-conditioning systems that contain HCFCs.

There were no sources of ODSs present on the Phase One Property. There were no environmental concerns noted with respect to ODSs at the Phase One Property.

5.2.15 Radon

Radon gas is a product of the decay series that begins with uranium. Radon is produced directly

from radium, which can be commonly found in bedrock that contains black shale and/or granite. Radon gas can migrate through the ground and enter buildings through porous concrete or fractures. Radon tends to accumulate in poorly ventilated basements.

According to Health Canada's Cross-Canada Survey of Radon Concentrations in Homes, approximately 11% of homes in Peel Region have radon gas levels above Health Canada's guideline (200 Becquerels per cubic metre (Bq/m^3)). A site-specific radon testing would be required to confirm the radon gas levels in the Subject Building.

5.2.16 Electromagnetic Fields (EMF)

Electrical currents cause electromagnetic fields. Common household current is alternating current, which reverses its direction (its charge) then switches back. This cycle creates electric and magnetic fields at the same frequency. No scientific data supports definitive answers to questions about the existence or non-existence of health risks related to electromagnetic fields.

There were no high-voltage transmission lines or electrical substations, which could generate significant electromagnetic frequencies, identified on or adjacent to the Phase One Property.

5.2.17 Noise and Vibration

The effects of noise and vibration on human health vary according to the susceptibility of the individual exposed, the nature of the noise/vibration and whether exposure occurs in the working environment or in the home.

With the exception of Highway No. 407 right of way (ROW) adjacent to the southwest of the Phase One Property, there were no major or persistent sources of noise and/or vibration identified on or adjacent to the Phase One Property during the site reconnaissance.

5.2.18 Mould

It should be noted that the basement of the Subject Building was flooded at the time of the site reconnaissance. There is the potential for water damaged areas and/or mould growth as a result of this flooding. Based on discussions with the Client, it is S2S's understanding that the Subject Building is slated for demolition and the above-noted item will be appropriately addressed prior to demolition.

There was no obvious visual evidence of suspect mould growth on visible interior building materials in the accessed areas of the Subject Building.

6.0 ENHANCED INVESTIGATION

An Enhanced Investigation Property is (i) a property used, or has ever been used, in whole or in part, for an industrial purpose, or (ii) a commercial property used as a garage, a bulk liquid

dispensing facility, including a gasoline outlet or for the operation of dry cleaning equipment, according to *O. Reg. 153/04 (as amended).*

Based on the current and historical land use, the Phase One Property would not be considered an Enhanced Investigation Property in accordance with the requirements of *O. Reg. 153/04 (as amended).*

7.0 WRITTEN DESCRIPTION OF THE INVESTIGATION

S2S conducted a Phase One ESA at the Phase One Property which comprises a vacant residential property, municipally addressed as 5080 Ninth Line in Mississauga, Ontario. S2S conducted this Phase One ESA in support of a Site Plan Application with the City; therefore, this Phase One ESA was completed in accordance with *O. Reg. 153/04 (as amended).*

The Phase One ESA site reconnaissance was conducted on July 10, 2018 by Ms. Nazifa of S2S under the supervision of Mr. Makusa P. Geo., a Qualified Person as defined by *O. Reg. 153/04 (as amended)*. The S2S representative was accompanied by Mr. Shirriff at the time of the site reconnaissance. The findings of S2S's site reconnaissance and interviews are found throughout Section 5.2 of this report.

Specific observations at the Phase One Property at the time of the site reconnaissance identified the potential presence of an on-site PCA. A grove was observed on the northwest side of the single-storey brick and vinyl clad garage at the time of the site reconnaissance. According to available aerial photographs, this grove appeared to have been present on this portion of the Phase One Property from approximately the early 1950s to the mid-1990s. Furthermore, according to discussions with the Client, the Phase One Property was utilized as an agricultural farm complex from approximately the mid-1960s to 2017. Based on the presence of this grove and historical agricultural operations at the Phase One Property, it is possible that large-scale application of pesticides and/or herbicides may have occurred at the Phase One Property during this time, and may represent an environmental concern to the Phase One Property.

An additional on-site PCA resulting in an APEC on the Phase One Property was associated with the historical importation of fill materials of unknown quality to the Phase One Property (fill materials which may have been applied at various locations when the Phase One Property was in the process of being developed (i.e., construction/development).

Based on the findings of this Phase One ESA, a Phase Two ESA is required at the Phase One Property prior to the Site Plan Application submission. The specific objectives of the investigation would be to assess the APECs identified at the Phase One Property in the context of the existing regulatory framework and legislation regarding contaminated sites and Brownfields in the Province of Ontario to confirm whether contaminants are present on, in or under the Phase One Property, and, if so, what the contaminants are, and where they are located on, in or under the Phase One Property and at what concentrations.

8.0 REVIEW AND EVALUATION OF INFORMATION

8.1 Current and Past Uses

8.1.1 Current Land Use - Phase One Property

At the time of the site reconnaissance, the Phase One Property consisted of one single-storey vacant residential building with a full basement (Subject Building); and one single-storey brick and vinyl clad garage and one single-storey storage shed on the central portion of the Phase One Property. The Subject Building was reportedly constructed in the mid-1960s. Vehicular access to the Phase One Property was from one gravel covered driveway off Ninth Line, located on the northeast side of the Phase One Property. Gravel covered surface parking/driveway areas were present on the south side and a portion of the east side of the Subject Building; on the north, east and south sides of the garage and storage shed; and on the northeast portion of the Subject Property. Overgrown vegetation was present on the north side, on a portion of the east side and the west side of the Subject Building and on the west side of the garage; and on the north, south and west portions of the Phase One Property. The total floor area of the Subject Building was reportedly 564 m^2 (6,071 ft^2), and the Phase One Property has a total area of 37,000 m^2 (398,265 ft^2). The PIN for the Phase One Property is 24931-0183 (LT). At the time of the site reconnaissance, the Phase One Property was reportedly owned and managed by Your Home Developments (Mississauga) Inc.

Based on the above observations, it is unlikely that the current land use represents a potential environmental concern to the Phase One Property.

8.1.2 Historical Land Use – Phase One Property

A list of historical land uses for the Phase One Property is provided in Table 9 below.

Table 9 - Historical Information for the Phase One Property

Period/Date	Land Use	Sources of Information
Prior to approximately the mid-1960s	Undeveloped/Agricultural Purposes	City Directories, Aerial Photographs, Interviews
From approximately the mid-1960s to approximately 2017	Single-Family Residential Dwelling/ Agricultural Land	City Directories, Aerial Photographs, Interviews
From approximately 2017 to the present	Vacant Single-Family Residential Dwelling	Aerial Photographs, Geowarehouse Database, Site Visit, Interviews

The earliest record available for the Phase One Property was the 1954 aerial photograph, which indicated that the Phase One Property was undeveloped or used for agricultural purposes at that time. According to the 1966 aerial photograph, the Phase One Property was developed

with an inferred building and a structure of similar size and configuration as the current Subject Building and garage. Based on available City Directories from 1975 to 2001, the Phase One Property was listed as a residential property at those times. Based on discussions with Mr. Shirriff and available aerial photographs, the Phase One Property was also used for agricultural purposes historically to approximately 2017. Based on discussions with Mr. Shirriff and our visual observations, the Phase One Property has been vacant since February 15, 2017.

Based on the 2017 S2S Phase I ESA Report and discussions with Mr. Shirriff, the Subject Building was reportedly heated by a natural gas-fired forced-air furnace historically and to the time of disconnection. At the time of the site reconnaissance, no obvious visual evidence of fuel storage in USTs or ASTs was identified to be present on the Phase One Property. Furthermore, no obvious visual evidence of vent or fill pipes indicating the potential presence of abandoned or decommissioned USTs were identified on the Phase One Property.

Based on available aerial photographs, a grove was observed on the northwest side of the single-storey brick and vinyl clad garage at the time of the site reconnaissance. According to available aerial photographs, this grove appeared to have been present on this portion of the Phase One Property from approximately the early 1950s to the mid-1990s. Furthermore, according to discussions with the Client, the Phase One Property was utilized as an agricultural farm complex from approximately the mid-1960s to 2017. Based on the presence of this grove and historical agricultural operations at the Phase One Property, it is possible that large-scale application of pesticides and/or herbicides may have occurred at the Phase One Property during this time, and may represent an environmental concern to the Phase One Property..

As discussed in Section 3.3.3, fill materials of unknown quality may have been applied at various portions of the Phase One Property at the time of first development in approximately the mid-1960s, or during re-configuration of parking or landscaped areas. Based on the above-noted information, the potential presence of fill materials of unknown quality may have impacted the soils at the Phase One Property, and may represent an environmental concern to the Phase One Property.

A summary of the current and past uses of the Phase One Property from the present to Crown ownership (prior to 1795) is presented below in Table 10:

Table 10 - Current and Past Uses of the Phase One Property

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
24931-0183 (LT) (former PIN 24931-0107 (LT))				
2017 to the present	Your Home Developments (Mississauga) Inc.	Vacant Single-Family Residential Dwelling	Residential use	2017 and 2018 Aerial Photographs: The east portion of the Phase One Property appeared to be developed with an inferred building and structures, similar to that observed at the time of the site reconnaissance. Site Reconnaissance: The east portion of the Phase One Property was observed to be developed with a vacant single-family residential dwelling and garage.
2005 to 2017	Spirit of Pentecost	Agricultural Farm Complex (Single-Family Residential Dwelling/Agricultural Land)	Residential use and Agricultural or other use	2006, 2008, 2009, 2010, 2012, 2013, 2015, 2015, 2016, 2017 Aerial Photographs: The east portion of the Phase One Property appeared to be developed with an inferred building and structures, similar to that observed at the time of the site reconnaissance.
1964 to 2005	Joseph Civiero, Julia Civiero and Robert Civiero	From approximately the mid-1960s to 2005: Agricultural Farm Complex (Single-Family Residential Dwelling/ Agricultural Land) From approximately 1964 to the mid-1960s: Undeveloped	Residential use and Agricultural or other use	1966, 1975, 1980, 1985, 1992, 2004 and 2005 Aerial Photographs: The east portion of the Phase One Property appeared to be developed with an inferred building and structures, similar to that observed at the time of the site reconnaissance. 1975, 1979, 1985, 1990, 1995 and 2001 City Directories: The Phase One Property was listed as a residential

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
				property at those times. 1954 Aerial Photograph: The Phase One Property appeared to be undeveloped or used for agricultural purposes at that time.
1963 to 1964	Denis Guiney and James O'Donnell	Undeveloped	Agricultural or other use	No available aerial photographs, city directories or FIPs.
1953 to 1963	Lajos Kovacs and Johan Kovacs	Undeveloped	Agricultural or other use	1954 Aerial Photograph: The Phase One Property appeared to be undeveloped or used for agricultural purposes at that time.
1948 to 1953	Toyne Grice	Undeveloped	Agricultural or other use	No available aerial photographs, city directories or FIPs.
1885 to 1948	Thomas Morrissey, Fred O'Hara, the Estate of Michael O'Hara and the Estate of Catherine O'Hara	Undeveloped	Agricultural or other use	No available aerial photographs, city directories or FIPs.
1884 to 1885	William Burkholder O'Hara	Undeveloped	Agricultural or other use	No available aerial photographs, city directories or FIPs.
1883 to 1884	Michael O'Hara	Undeveloped	Agricultural or other use	No available aerial photographs, city directories or FIPs.
1883 to 1883	William B. O'Hara and Michael O'Hara	Undeveloped	Agricultural or other use	No available aerial photographs, city directories or FIPs.
1830 to 1883	Mary O'Hara and Charles O'Hara	Undeveloped	Agricultural or other use	No available aerial photographs, city directories or FIPs.
Prior to 1830	Crown Lands	Undeveloped	Agricultural or other use	No available aerial photographs, city directories or FIPs.

8.2 Potentially Contaminating Activities

Based on the findings of the Phase One ESA, following is a list of PCAs (description based on the *O. Reg. 153/04* (*as amended)* – Table 2: Potentially Contaminating Activities) identified within the Phase One Study Area that contribute to APECs on the Phase One Property:

- Item #30 – Importation of Fill Material of Unknown Quality; and
- Item #40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Application.

The above noted PCAs are based on the following discussion:

- PCA 1 – *Importation of Fill Material of Unknown Quality*. Fill materials of unknown quality may have been applied at various portions of the Phase One Property at the time of first development in approximately the mid-1960s, or during re-configuration of parking or landscaped areas. Based on the above-noted information, the potential presence of fill materials of unknown quality may have impacted the soils at the Phase One Property, and may represent an environmental concern to the Phase One Property.

- PCA 2 – *Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Application.* Based on available aerial photographs, a grove was observed on the northwest side of the single-storey brick and vinyl clad garage at the time of the site reconnaissance. According to available aerial photographs, this grove appeared to have been present on this portion of the Phase One Property from approximately the early 1950s to the mid-1990s. Furthermore, according to discussions with the Client, the Phase One Property was utilized as an agricultural farm complex from approximately the mid-1960s to 2017. Based on the presence of this grove and historical agricultural operations at the Phase One Property, it is possible that large-scale application of pesticides and/or herbicides may have occurred at the Phase One Property during this time, and may represent an environmental concern to the Phase One Property.

Additional off-site PCAs were identified within the Phase One Study Area; however, based on considerations such as distance from the Phase One Property, assumed groundwater flow direction, and our visual observations, these additional off-site PCAs were determined to not result in APECs on the Phase One Property.

8.3 Areas of Potential Environmental Concern

Based on the information gathered during this Phase One ESA and background information reviewed, the following PCAs potentially resulting in APECs were identified with regards to the Phase One Property as listed below in Table 11 (also shown on the Phase One ESA CSM Drawings No. 2 and 3 in Appendix A).

Table 11 - Areas of Potential Environmental Concern

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (on-site or off site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC 1 Near surface soils (i.e. fill material) at the Phase One Property	East portion of the Phase One Property	30 – Importation of Fill Material of Unknown Quality ***(The quality of the fill material is unknown on the east portion of the Phase One Property)***	On-site	PAHs, Metals, As, Sb, Se, Cr (VI), Hg, CN-, B-HWS, EC, SAR	Soil
APEC 2 Near surface soils on the west and south portions of the Phase One Property	West and south portions of the Phase One Property	40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Application ***(The west and south portions of the Phase One Property was historically used for agricultural purposes)***	On-site	OCPs, PAHs, Metals	Soil

8.4 Phase One Conceptual Site Model

A site location map (OBM), an aerial photograph depicting the Phase One Conceptual Site Model (CSM) and any PCAs affecting the Phase One Property, a site plan showing neighbouring land uses, and any APECs on the Phase One Property are included in Appendix A of this report as Drawing Nos. 1 to 3, respectively.

Based on this Phase One ESA, the following comprises the Phase One CSM:

At the time of the site reconnaissance, the Phase One Property consisted of one single-storey vacant residential building with a full basement (Subject Building); and one single-storey brick and vinyl clad garage and one single-storey storage shed on the central portion of the Phase One Property. The Subject Building was reportedly constructed in the mid-1960s. Vehicular access to the Phase One Property was from one gravel covered driveway off Ninth Line, located on the northeast side of the Phase One Property. Gravel covered surface parking/driveway areas were present on the south side and a portion of the east side of the

Subject Building; on the north, east and south sides of the garage and storage shed; and on the northeast portion of the Subject Property. Overgrown vegetation was present on the north side, on a portion of the east side and the west side of the Subject Building and on the west side of the garage; and on the north, south and west portions of the Phase One Property. The total floor area of the Subject Building was reportedly 564 m^2 (6,071 ft^2), and the Phase One Property has a total area of 37,000 m^2 (398,265 ft^2). The PIN for the Phase One Property is 24931-0183 (LT). At the time of the site reconnaissance, the Phase One Property was reportedly owned and managed by Your Home Developments (Mississauga) Inc.

The Phase One Study Area and the Phase One Property are situated in a developed portion of the City of Mississauga. The City of Mississauga Official Plan and the ANSI maps provided on-line were reviewed to determine if an environmentally sensitive area is located within the Phase One Study Area. Based on this review of these plans and maps, the following is of note:

- No water bodies or other permanent bodies of water were identified on the Phase One Property or in the Phase One Study Area; and
- No ANSIs were identified on the Phase One Property or in the Phase One Study Area.

Potable water in the Phase One Study Area is provided by the City of Mississauga, which is obtained from Lake Ontario. No potable water wells were identified at the Phase One Property.

The Phase One Property was surrounded by agricultural lands/single-family residential dwellings to the northwest and southeast of the Phase One Property; single-family residential dwellings to the northeast (across Ninth Line) of the Phase One Property; and a community property (Highway No. 407 ROW) to the west of the Phase One Property.

The following identified PCAs (description based on the *O. Reg. 153/04*, as amended – Table 2: Potentially Contaminating Activities) within the Phase One Study Area contribute to APECs on the Phase One Property:

- PCA 1 – *Importation of Fill Material of Unknown Quality*. fill materials of unknown quality may have been applied at various portions of the Phase One Property at the time of first development in approximately the mid-1960s, or during re-configuration of parking or landscaped areas. Based on the above-noted information, the potential presence of fill materials of unknown quality may have impacted the soils at the Phase One Property, and likely represents a potential environmental concern to the Phase One Property.

- PCA 2 – *Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Application.* Based on available aerial photographs, a grove was observed on the northwest side of the single-storey brick and vinyl clad garage at the time of the site reconnaissance. According to available aerial photographs, this grove appeared to have been present on this portion of the Phase One Property from approximately the early 1950s to the mid-1990s. Furthermore, according to discussions with the Client, the Phase One Property was

utilized as an agricultural farm complex from approximately the mid-1960s to 2017. Based on the presence of this grove and historical agricultural operations at the Phase One Property, it is possible that large-scale application of pesticides and/or herbicides may have occurred at the Phase One Property during this time, and may represent an environmental concern to the Phase One Property.

APECs associated with the above noted PCAs were determined to be the east portion of the Phase One Property for PCA 1; and the south and west portions of the Phase One Property for PCA 2. The locations of the PCAs and on-site APECs are shown on the attached Drawing No. 3.

Contaminants of Potential Concern (COPCs) identified, based on the APEC include PHCs, BTEX; OCPs, PAHs; and metals including As, Sb, Se, B-HWS, Cr(VI), Hg, CN-, Electrical Conductivity and SAR.

Based on discussions with Mr. Shirriff, all services were disconnected at the time of the site reconnaissance.

Topographic information obtained from Google Earth, showed the site elevation to range from approximately 188 m to 192 m above mean sea level (asl). The ground surface at the Phase One Property was generally visually noted to be flat, and surface water at the Phase One Property was assumed to infiltrate into the on-site areas of overgrown vegetation; or drain towards off-site catch basins, which reportedly discharged to the municipal storm sewer system. It should be noted that the immediate adjacent/neighbouring properties to the northwest, northeast (across Ninth Line) and southeast of the Phase One Property visually appeared to be generally at the same elevation as the Phase One Property; while the adjacent property to the southwest of the Phase One Property visually appeared to be generally at a higher elevation than the Phase One Property.

The shallow horizontal groundwater flow direction in the area, based on apparent topography, was likely southeast towards a tributary of Credit River, located approximately 1.0 km southeast of the Phase One Property. It should be noted that the direction of shallow groundwater flow in limited areas are also be influenced by the presence of underground utility corridors and is not necessarily a reflection of local groundwater flow or a replica of the Phase One Property or area topography.

Based on available surficial geology maps, accessed using Google Earth, the native surficial soils in the vicinity of the Phase One Property, are reportedly predominantly comprised of sandy Clay to silt-textured till. Available geology maps (Ontario Geological Survey (OGS) database "Surface Geology Report") indicated that the Phase One Study Area is comprised of red to brown gritty silt to clayey silt till.

According to information provided in the reviewed ERIS report, a search of the WWIS database for the Phase One Property and Phase One Study Area indicated that a total of 17 water well sites were located within the Phase One Study Area. WWIS Well ID No. 2804137,

a domestic/potable water well, was advanced on August 19, 1973, on the Phase One Property (UTM Zone 17, UTM Co-ordinates Northing – 4821230, Easting – 602089.6). In addition, it should be noted that S2S obtained the well record for this domestic/potable water well as part of a provincial online well record search. This well was reportedly advanced to a depth of 22.9 m bgs and consisted of the following stratigraphy:

- Brown topsoil from ground surface to a reported depth of approximately 0.6 m bgs;
- Brown clay from a reported depth of 0.6 m bgs to a reported depth of approximately 4.3 m bgs;
- Grey clay from a reported depth of 4.3 m bgs to a reported depth of approximately 15.2 m bgs;
- Red clay from a reported depth of 15.2 m bgs to a reported depth of approximately 15.8 m bgs;
- Grey packed clay from a reported depth of 15.8 m bgs to a reported depth of approximately 18.9 m bgs;
- Brown hardpacked sand and stones from a reported depth of 18.9 m bgs to a reported depth of approximately 22.6 m bgs; and
- Black sand from a reported depth of 22.6 m bgs to a reported depth of 22.9 m bgs (the maximum extent of the domestic water well).

It should be noted that the Client retained S2S in June, 2017 to complete a well abandonment program for the above-noted on-site domestic/potable water well. Based on discussions with the Client and information available in S2S's files, this domestic/potable water well was abandoned in accordance to O. Reg. 903 at that time.

Based on the OGS database "Bedrock Geology of Ontario" (2011), the Phase One Property is assumed to be underlain by shale, limestone, dolostone and siltstone from the Queenston Formation. According to information provided in the ERIS report, bedrock was not encountered in any of the boreholes (completed as domestic and observations/monitoring wells) at the Phase One Property and Phase One Study Area. Depth to bedrock is anticipated to be deeper than the deepest extent (42.6 m bgs) of the observation/monitoring water wells advanced at the Phase One Property and Phase One Study Area.

There were no material deviations to the Phase One ESA requirements set out in *O. Reg. 153/04* (as amended) that would cause uncertainty or absence of information that would affect the validity of the findings of this assessment.

9.0 CONCLUSIONS

Based on the findings of this Phase One ESA, a Phase Two ESA is required at the Phase One Property prior to Site Plan Application. The specific objectives of the investigation would be to assess the APECs identified at the Phase One Property in the context of the existing regulatory framework and legislation regarding contaminated sites and Brownfields in the Province of Ontario to confirm whether contaminants are present on, in or under the Phase One Property, and, if so, what the contaminants are, where they are located on, in or under the Phase

One Property and at what concentrations.

10.0 CLOSURE

This report has been prepared for the sole benefit of Your Home Developments (Mississauga) Inc. (Client).

The report may not be relied upon by any other person or entity without the express written consent of S2S Environmental Inc. (S2S) and the Client. Any use that a party makes of this report, or any reliance on decisions made based on it, is the responsibility of such parties. S2S accepts no responsibility for damages, if any, suffered by any party as a result of decisions made or actions based on this report.

S2S makes no other representation whatsoever, including those concerning the legal significance of its findings, or as to the other legal matters addressed incidentally in this report, including but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are Subject to interpretation. These interpretations may change over time, thus the Client should review such issues with appropriate legal counsel.

Some of the information presented in this report was provided through existing documents and interviews. Although attempts were made, whenever possible, to obtain a minimum of two confirmatory sources of information, S2S in certain instances has been required to assume that this information provided is accurate.

The conclusions as presented represent the best judgment of the inspector based on the visual observations of the accessible property elements of the Phase One Property and adjacent properties observed on July 10, 2018. Should additional information become available, S2S requests that this information be brought to our attention so that we may reassess the conclusions presented herein.

Respectfully Submitted,

S2S ENVIRONMENTAL INC.

Rubama Nazifa, M. Env. Sc.
Project Manager
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Sharon Waters, B.A. (Geog.)
Technical Reviewer
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Milan Makusa, P. Geo., QP$_{ESA}$
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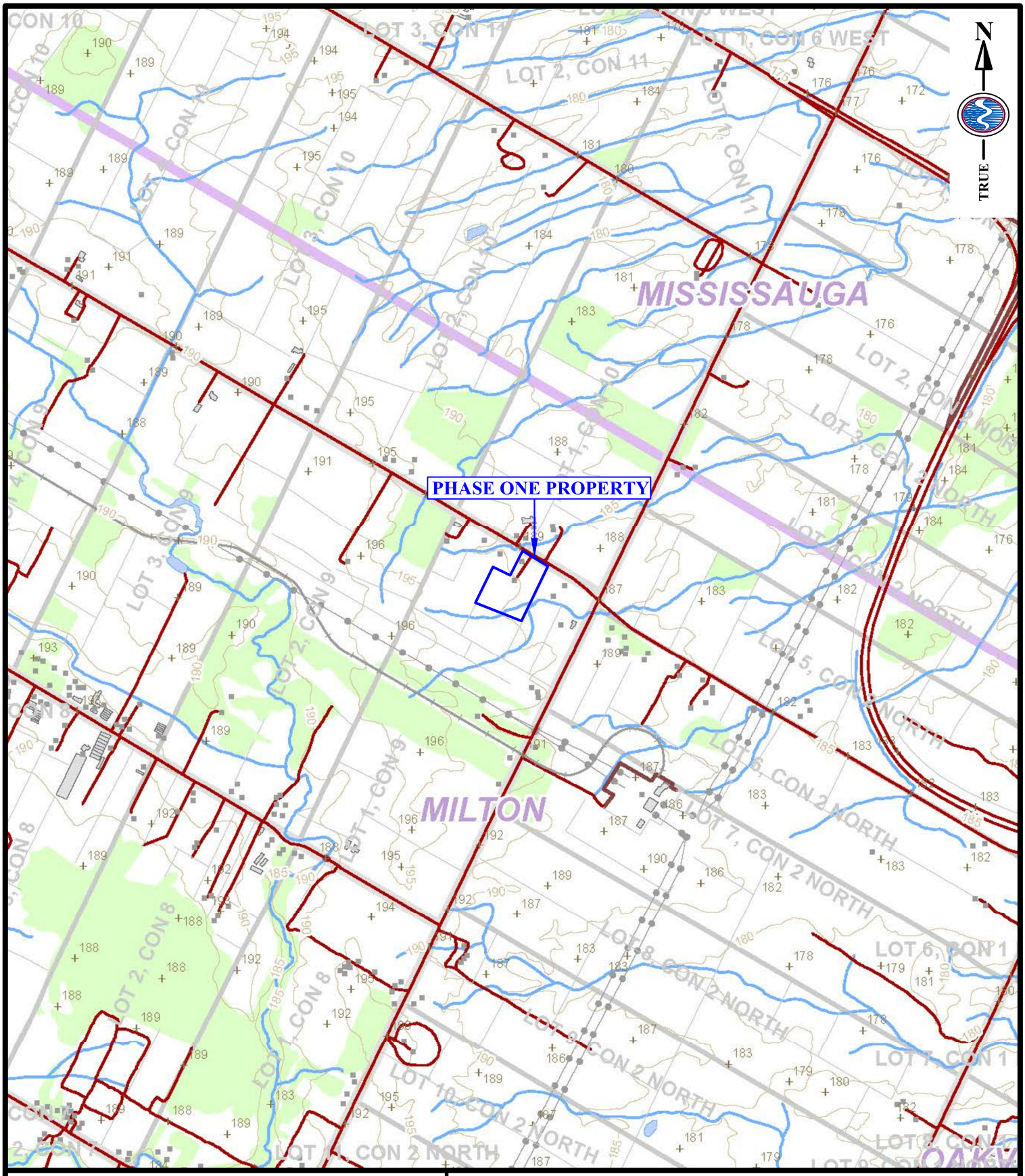
Distribution: (1 PDF Copy) – Mr. Stewart Turk (Your Home Developments (Mississauga) Inc.)

APPENDIX A

DRAWINGS



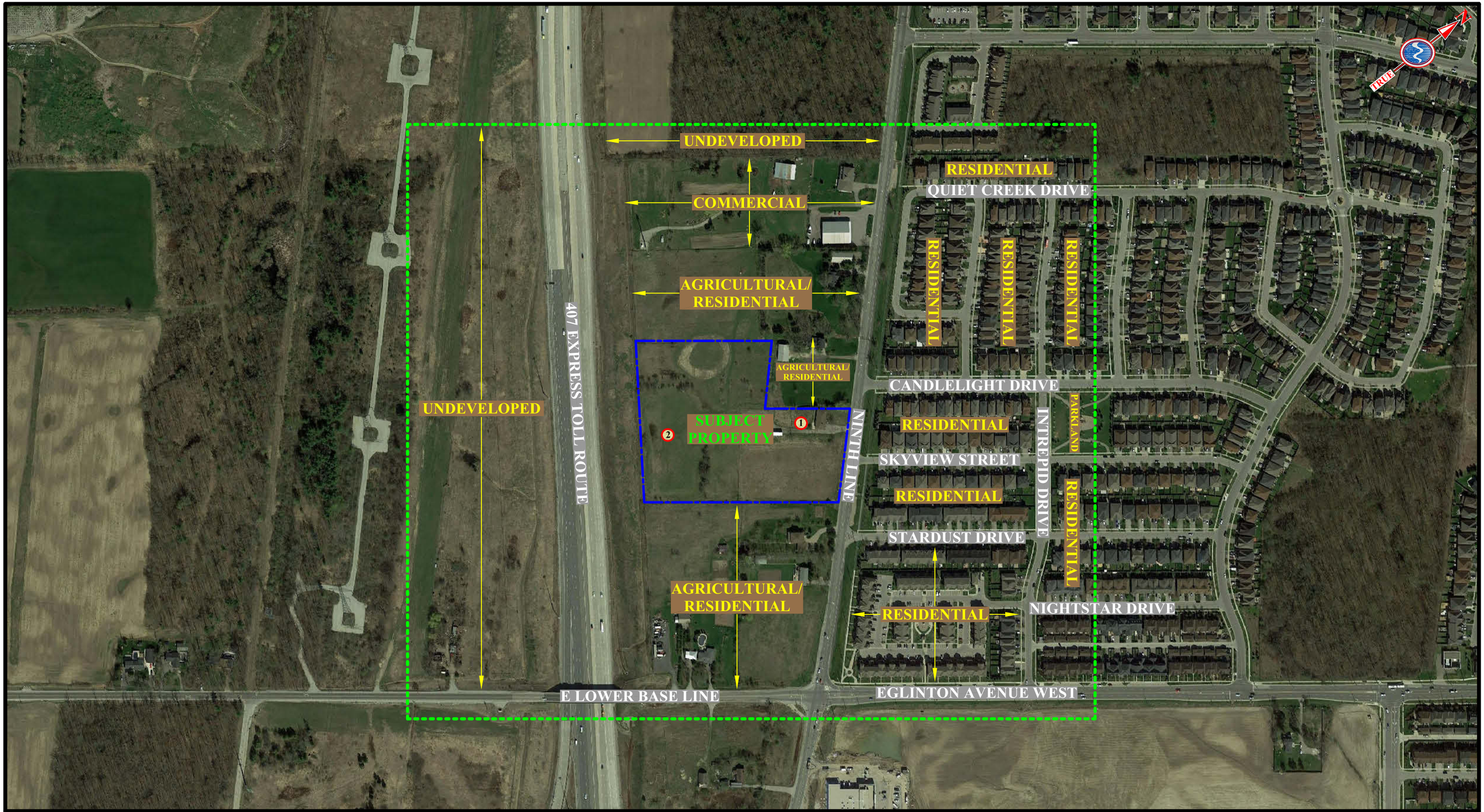
DRAWN BY: YP	DATE: APR 15, 2019	SCALE: 1:22,000

SITE LOCATION MAP

Ontario Base Mapping (OBM), 2010.
Ontario Ministry of Natural Resources

S2S Environmental Inc.

PROJECT NO:	SITE LOCATION:	DRAWING NO:
8674	5080 NINTH LINE MISSISSAUGA, ONTARIO	1



LEGEND

PHASE ONE ASSUMED PROPERTY LINE

PHASE ONE STUDY AREA

1 POTENTIALLY CONTAMINATING ACTIVITY (PCA)

1. Northeast portion of the Phase One Property
   30 - Importation of Fill Material of Unknown Quality
2. South and West portion of the Phase One Property
   40 - Pesticides(including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Application

NOTE: IMAGERY DATE: MAY 2018, GOOGLE EARTH

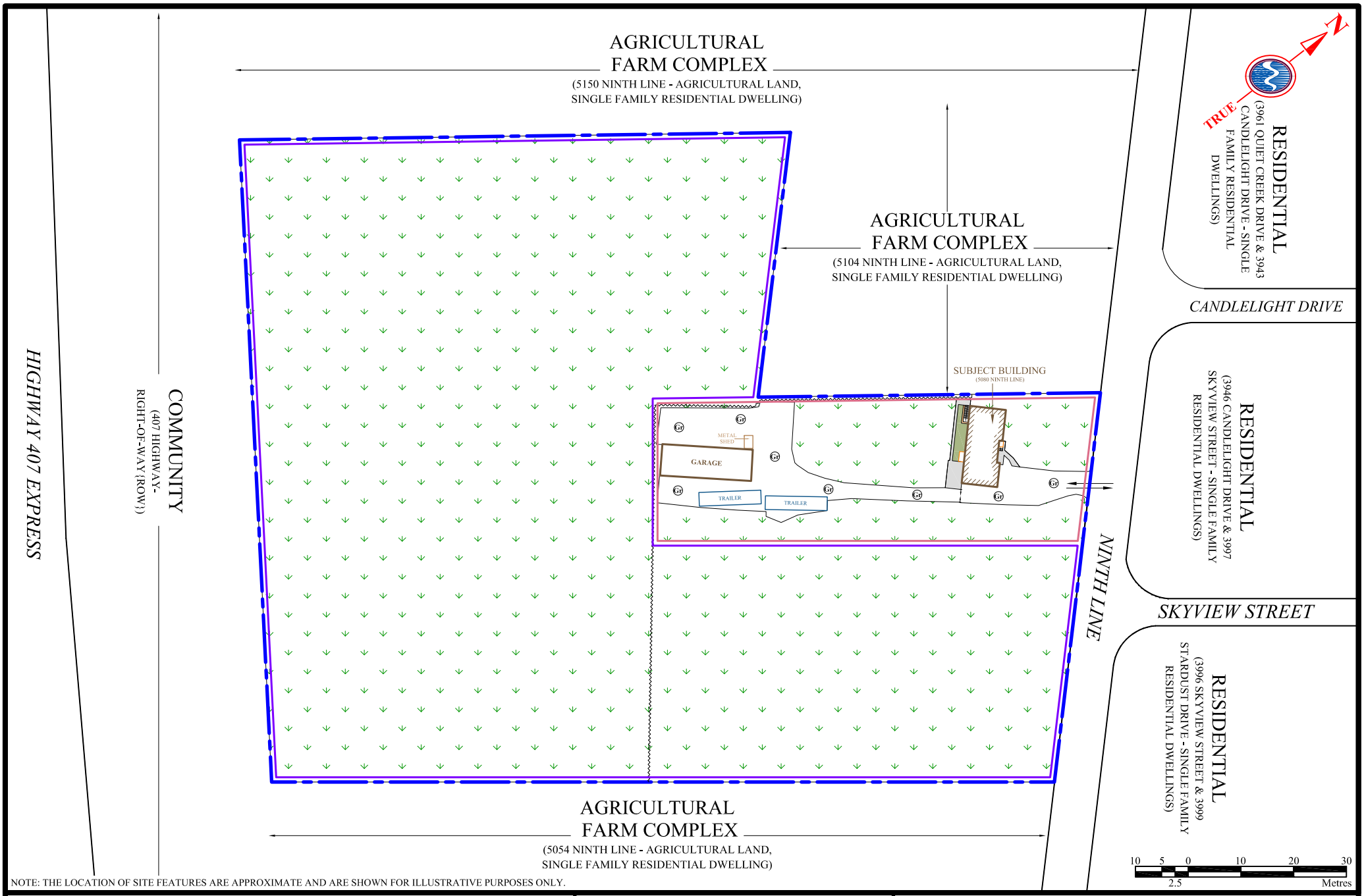
PHASE ONE ESA CONCEPTUAL SITE MODEL

DATE: APR 15, 2019	DRAWN BY: YP

S2S Environmental Inc.

SCALE: 0m 90m

PROJECT NO:	SITE LOCATION:	DRAWING NO:
8674	5080 NINTH LINE MISSISSAUGA, ONTARIO	2



NOTE: THE LOCATION OF SITE FEATURES ARE APPROXIMATE AND ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

LEGEND

- ASSUMED PROPERTY LINE
- SITE ACCESS
- CHAIN LINK FENCE
- CHAIN LINK GATE
- EXTERIOR METAL STAIRS
- GRAVEL COVERED AREA
- AREA OF POTENTIAL ENVIRONMENTAL CONCERN (1, 2)
- SUBJECT BUILDING
- CONCRETE WALKWAY
- LANDSCAPED AREA
- OVERGROWN VEGETATION
- CONCRETE WALL
- PORCH

SITE PLAN SHOWING AREAS OF POTENTIAL ENVIRONMENTAL CONCERNS (APECs)

DRAWN BY: YP	DATE: APR 15, 2019

S2S Environmental Inc.

SCALE:
AS SHOWN

PROJECT NO:	SITE LOCATION:	DRAWING NO:
8674	5080 NINTH LINE MISSISSAUGA, ONTARIO	3

APPENDIX B

LIST OF PREVIOUS ENVIRONMENTAL REPORTS

LIST OF PREVIOUS ENVIRONMENTAL REPORTS

- "Pre-Demolition Designated Substance Survey, Vacant House and Garage, 5080 9th Line, Mississauga, Ontario" report, prepared for the Client, prepared by Fisher Environmental Ltd. (Fisher), dated December 18, 2017
- "Phase I Environmental Site Assessment, 5080 Ninth Line, Mississauga, Ontario" report, prepared for Your Home Developments (Mississauga) Inc., prepared by S2S, dated July 30, 2018.

APPENDIX C

ASSESSOR AND REVIEWER QUALIFICATIONS

Name: Rubama Nazifa, M. Env. Sc.
Position: Project Manager

Education: **M. Env. Sc., Biophysical Interactions in Terrestrial and Aquatic Systems,** University of Toronto, 2015
Hon. B.Sc., Environmental Science, University of Toronto, 2014

Courses: **Soil Contamination Chemistry**, University of Toronto, 2014
Brownfields Redevelopment, University of Toronto, 2014
Environmental Regulations, University of Toronto, 2015
Groundwater, University of Toronto, 2013
Contaminant Hydrogeology, University of Toronto, 2015

Environmental Site Assessments

- Conducted detailed reviews of environmental registries, city directories, topographic and geological maps, and pertinent historical information.
- Identified and assessed potential or actual environmental contamination and presence of hazardous materials.
- Collected soil and water samples, and conducted field tests to determine which representative samples need further testing/investigation

Property Condition Assessments

- Conducted visual assessment of property elements
- Assessed the conditions of various roofing systems, the exterior and interior walls, floors, ceilings of buildings and paved areas.
- Inspected mechanical and electrical systems on properties from a non-specialist viewpoint
- Recommended replacement, reconstruction and/or repair of building elements. Estimated costs for immediate and replacement costs in capital reserve tables for clients.

Field & Laboratory Materials Investigations

- Conducted various laboratory tests following ASTM, CSA and CCIL procedures on soils, granular material and concrete in characterizing them to aid geotechnical investigations
- Tests conducted following ASTM, CSA and CCIL procedures were: grain size analysis through both sieve through Hydrometer tests, obtaining liquid limit and plastic limit through Atterberg tests, confirming and finding compaction behavior of materials through obtaining dry density and optimum moisture content by Proctor tests, and investigating concrete strength.
- Assisted laboratory technician with organizing and reporting results.

Name: Sharon Waters, B.A. (Geog.)

Position: Technical Reviewer/Senior Project Manager

Education/ Courses

B.A., Geography, Wilfrid Laurier University, 1983
Post-Graduate Diploma in Environmental Assessment, Lakehead University, 1993

- **Environmental Site Assessment Field Camp,** Golder U, Golder Associates Ltd., 2013 (3 day Field Camp)
- **Project Management Refresher Certification,** Golder U, Golder Associates Ltd., 2012 (15 hours)
- **Measuring your Organization's Carbon Footprint: ISO 14064-1 Essentials- Greenhouse Gas Inventories**, Canadian Standards Association, 2011 (32 hours)
- **Measuring your Organizational Environmental Impact: ISO 14064-2 Essentials- Greenhouse Gas Inventories**, Canadian Standards Association, 2011 (32 hours)
- **Business Development and Sales Course,** Golder U, Golder Associates Ltd., 2011 (16 hours)
- **Project Management Certification,** Golder U, Golder Associates Ltd., 2010, (24 hours)
- **Quality Assurance Program for Environmental Investigations in Ontario,** Golder U, Golder Associates Ltd., 2011(8 hours)
- **Health and Safety Modules 1, 2 and 3,** Golder U, Golder Associates Ltd., 2010 and 2012 (8 to 16 hours each)
- **United States ASTM Standard E1527-13 Procedures,** EMG, Baltimore, Maryland, 2008 (40 hours)

Environmental Site Assessments

- More than 20 years of experience working in Environmental Due Diligence Consulting. Conducted Phase I and II Environmental Site Assessments, Compliance Audits, and Hazardous Materials Surveys based on the requirements of the CSA, ASTM, and Ontario Regulation 153/04 (as amended) Standards.
- Senior Project Manager/Lead Auditor/Technical Reviewer/Environmental Site Assessor/Technical Report Writer for Phase I & II Environmental Site Assessments and Compliance Audits for over 750 sites, completed on behalf of Manulife Financial,

GE Capital Real Estate, First National Bank, Canadian Imperial Bank of Commerce, Royal Bank of Canada, Toronto Dominion Bank, Morguard Investments Limited, GMAC Commercial Mortgage, Bank of Montreal, Bank of Nova Scotia, Public Works and Government Services Canada, Transport Canada, and Canadian National Real Estate, Canadian National North America. Other clients from commercial/industrial/ residential real estate and legal firms.

- More than 15 years of Project Management experience in Environmental Due Diligence Consulting. Specialized expertise in management of multi-site portfolios including more than 25 Phase I ESA portfolios across Canada and the United States, including 40 and 50 site portfolios located in three and seven provinces, respectively; a 30 Site portfolio located in eight provinces; a 17 site portfolio located in two provinces; 13, 20, and 35 Site portfolios located in one, two, and five province(s), respectively; and, a 58 Site portfolio located in the Greater Toronto Area. All multi-site portfolios completed in an expedited fashion.
- Conducted more than 100 Phase II Environmental Site Assessments, Test Pit Investigations, and Limited Environmental Sampling Investigations on various industrial, commercial, residential, and undeveloped properties throughout Ontario.

Other Related Environmental Services

- Assistant Project Manager for various Route Selection and Environmental and Socio-economic Impact Assessment projects for the natural gas industry. Responsibilities included identifying a study process, conducting associated physical, natural, and socio-economic environmental inventories, assisting in the preferred route selection process, the identification of potential environmental impacts along the preferred route, as well as the formulation of recommended mitigation and monitoring measures.
- Responsible for conducting field investigations and research for preparation of Environmental Study Reports and Environmental Impact Studies. Responsible for research and preparation of Official Plan and Zoning By-law Amendments, as well as Committee of Adjustment applications, for numerous development proposals in Durham Region, County of Peterborough, and County of Victoria.
- Completed Drift Thickness and Bedrock Topography Mapping, Long Point Area, for the Ontario Geological Survey. Supervisor, Botany and Wildlife Inventory for the Ontario Breeding Bird Atlas, Presqu'ile Area, Brighton, Ontario.

Name: Milan Makusa, P.Geo., QP_{ESA}

Position: Senior Project Manager

Education **Master's of Science, Hydrogeology and Engineering Geology**, Russian State Geological Prospecting University, 1977

Courses **Smart Remediation**, Vertex, Ottawa, 2012-2017
High Resolution Groundwater Profiling and Monitoring, Solinst, Georgetown, 2011
Site Remediation: Solutions and Management, Golder Associates, Toronto, 2010
HAZWOPER, 40 hours course, Ottawa, 2009
Environmental Planning, Course delivered by the City of Ottawa, 2008
Critical Thinking in Aquifer Test Interpretation, Canadian Geotechnical Conference Course, Ottawa, 2007
Effective Project Management, WESA, Ottawa, 2006
Aquifer Test Analysis, Waterloo Hydrogeologic, Waterloo, 2005
Management and Operation of Environmental Company, Brown and Caldwell, Pleasant Hill, CA (one month training), 1996
Site Investigation and Remediation, Signal Environmental Services, Chattanooga, TN (three months training), 1993

Environmental Site Assessments (Phase I/II ESA)

- Conducted numerous Phase I and Phase II Environmental Site Assessments. These included development of investigation plan, overseeing of drilling works, conducting of soil and groundwater sampling, data analysis, and reporting. Contaminated sites included Retail Fuel Outlets, industrial sites, Canadian Forces Bases, underground and aboveground storage tanks, heating and transformer oil leaks, and traffic accident sites (on ground and in a watercourse). Sampled media included soil, groundwater, surface water, and sediment.
- Risk Assessment was completed for several contaminated sites to identify Human Health and Ecological Risks for the site.
- Conducted several hundreds of technical and peer reviews of Phase I-III reports and Record of Site Condition submissions.
- Conducted investigations and assessments to provide litigation support (PHC and VOC contaminated sites).

Contaminated Site Remediation

- Managed remediation of numerous contaminated sites in Ontario (Retail Fuel Outlets, industrial facilities, CFBs, and heating oil spill sites). Remediation technologies included pump and treat systems (activated carbon, air stripping, and catalytic oxidation), in-situ treatment (oxidant injection, oxygen injection for enhanced bioremediation), soil removal and disposing, and monitored natural attenuation.
- Completed investigations and remediation included a wide variety of contaminants – LNAPL, DNAPL, PCB, PFC, and metals.

Physical and Contaminant Hydrogeology

- Conducted regional groundwater characterization studies in variety of geological conditions (sedimentary, crystalline and karstic regions) in Eastern Ontario, Europe, Caribbean and Middle East.
- Managed and successfully completed drilling, testing and rehabilitation of many municipal water supply wells in Eastern Ontario, Middle East and Europe.
- Prepared Permits To Take Water (PTTW) studies for industrial facilities, aggregate quarries, golf courses, and subdivisions.
- Conducted hydrogeological studies for subdivision development, site plan applications, pit/quarry licence applications, storm water system applications).
- Managed long term groundwater monitoring of VOCs contaminated area with more than 300 domestic wells situated downgradient of a former municipal landfill.
- Conducted long term monitoring of VOC plume in a bedrock aquifer situated downgradient of an industrial facility. Scope of work included bedrock characterization (fracture density study) and contaminant plume delineation (horizontal and vertical). A groundwater treatment system was also designed, commissioned and operated at the site.

APPENDIX D

RESOURCE INFORMATION

HISTORICAL SOURCES, REGULATORY CONTACTS, BACKGROUND INFORMATION AND PERSONS INTERVIEWED

SOURCE	INFORMATION RECEIVED/REVIEWED
Site Representative: Mr. Steve Shirriff of Your Home Developments (Mississauga) Inc.	Site access, site current and historical information
Previous Environmental Reports/Background Information	• "Plan of Survey of Part of Lot 1, Concession 9, New Survey (Geographic Township of Trafalgar) (Formerly in the Town of Milton), City of Mississauga, Regional Municipality of Peel" Survey Plan, prepared by Rady-Pentek & Edwards Surveying Ltd., dated December 5, 2017; • "Pre-Demolition Designated Substance Survey, Vacant House and Garage, 5080 9th Line, Mississauga, Ontario" report, prepared for the Client, prepared by Fisher Environmental Ltd. (Fisher), dated December 18, 2017; • Pin No. 24931-0183 (LT) Parcel Registry, prepared by Land Registry Office No. 20, dated June, 2018; and • "Phase I Environmental Site Assessment, 5080 Ninth Line, Mississauga, Ontario" report, prepared for Your Home Developments (Mississauga) Inc., prepared by S2S, dated July 30, 2018.
City Directories - Toronto Reference Library	1958, 1964, 1969/1970, 1975, 1979, 1985, 1990, 1995 and 2001.
Fire Insurance Plans - Toronto Reference Library - Opta Information Intelligence Inc.	Subject Property and adjacent/neighbouring properties not covered. None available
Aerial Photographs - City of Mississauga Interactive Map - Google Earth	1954, 1966, 1975, 1980, 1985, 1992, 2000, 2005, 2010 and 2017 2004, 2007, 2009, 2013, 2015, 2016 and 2017.
Topographic/Ontario Base Maps - SoftMap Plus Software	Ontario Base Maps Volume 1
Title Search	Land Registry Office #20, Milton (completed by Stewart Davey Title Search)
ERIS	RSC Report (Urban) ERIS Report (dated April 1, 2019) providing information on the Phase One Property and all adjacent/ neighbouring properties within a 250 m search radius from the boundaries of the Phase One Property, through a comprehensive search of all federal, provincial and private source data (attached as Appendix F)

SOURCE	INFORMATION RECEIVED/REVIEWED
Property Underwriters' Report (PUR) and Property Underwriters' Plan (PUP) - Opta Information Intelligence Inc.	None available
Ontario Geological Survey 2007. Physiography of Southern Ontario, Miscellaneous Release--Data 228. 2007. (dataset provided in Google Earth format)	Regional physiography data
Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario, Miscellaneous Release---Data 126-Revision 1. 2011. (dataset provided in Google Earth format)	Regional bedrock geology data
Ontario Geological Survey 2010. Surficial geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release--Data 128-REV – OGS Earth Mapping Service "Google Earth"	Regional geological soil data
MECP Inventory of Coal Gasification Plant Waste Sites in Ontario, Vol. I & II, April, 1987	Coal Gasification Plant Waste Sites potentially near Phase One Property
MECP Waste Disposal Site Inventory, June, 1991	Waste Disposal Sites potentially near Phase One Property
MECP Ontario Inventory of PCB Storage Sites, October, 2004	PCB Storage Sites potentially near Phase One Property
MECP on-line Hazardous Waste Information Network (HWIN), Registered Generator List (Accessed April, 2019).	Potential list of current hazardous waste generators for the Phase One Property and neighbouring properties
MECP Hazardous Waste Information Systems, Public Information Data Set, 1986 to 2016 (Accessed April, 2019)	Potential list of historic hazardous waste generators for the Phase One Property and neighbouring properties
The MECP on-line Brownfields Environmental Site Registry (Accessed April, 2019)	A list of sites that have voluntarily filed a Records of Site Condition in the accordance with the Environmental Protection Act
Technical Standards and Safety Authority (TSSA).	Review of computer database for possible storage of fuels on Phase One Property from 1990 to present.
City of Mississauga Official Plan Obtained from http://www.mississauga.ca/	Environmentally sensitive areas identified by the City of Mississauga

NOTE: The available historical coverage (i.e. city directories, fire insurance plans and aerial photographs) is not a continuous record. It is possible that features of interest may have appeared and disappeared between coverage dates, or in some cases may have predated available coverage. In addition, aerial photograph quality is variable and in some instances site features are difficult to identify or their purpose may be difficult to establish.

APPENDIX E

SITE PHOTOGRAPHS

Photo 1: View of a portion of the north elevation of the Subject Building, looking southeast.

Photo 2: View of a portion of the east elevation of the Subject Building, looking west.

Photo 3: View of a portion of the south elevation (see arrow) of the Subject Building, looking northwest.

Photo 4: View of a portion of the west elevation of the Subject Building, looking northeast.

Photo 5: View of a portion of the single-family residential dwelling/agricultural land, adjacent to the northwest of the Subject Property, looking northwest.

Photo 6: View of a portion of the single-family residential dwelling, neighbouring to the northeast (across Ninth Line) of the Subject Property, looking northeast.

Photo 6: View of a portion of the single-family residential dwelling/agricultural land, adjacent to the southeast of the Subject Property, looking west.

Photo 8: View of a portion of the community property (Highway No. 407 ROW) (see arrow), adjacent to the west of the Subject Property, looking west.

	
Photo 9: View of a portion of the garage and storage shed on the Subject Property.	**Photo 10: View of a portion of the overgrown vegetation on the Subject Property.**

APPENDIX F

ERIS REPORT

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*5080 9th Line, Mississauga* *5080 Ninth Line* *Milton ON*
Project No:	*8674*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*20190328248*
Requested by:	*S2S Environmental Inc.*
Date Completed:	*April 1, 2019*

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

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Executive Summary

Property Information:

Project Property:	*5080 9th Line, Mississauga* *5080 Ninth Line Milton ON*
Project No:	*8674*

Order Information:

Order No:	*20190328248*
Date Requested:	*March 28, 2019*
Requested by:	*S2S Environmental Inc.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*
Topographic Map	*National Topographic Maps*
Topographic Map	*ANSI Map & Ontario Base Map (OBM)*

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
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DRYCLEANERS	Dry Cleaning Facilities	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	5	2	7
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	10	10
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	1	1	2
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MISA PENALTY	Environmental Penalty Annual Report	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	2	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	16	17
	Total:		7	32	39

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		5080 9 Line Milton ON L5M0R5	-/0.0	0.00	18
2	EHS		5080 Ninth Line Milton ON	-/0.0	0.00	18
3	EHS		5080 Ninth Line Mississauga ON	-/0.0	0.14	18
3	EHS		5080 9 Line Mississauga ON L5M0R5	-/0.0	0.14	18
3	HINC		5080 9th LINE MILTON ON	-/0.0	0.14	19
4	EHS		5080 Ninth Line Milton ON	-/0.0	-0.03	19
5	WWIS		lot 1 con 9 ON ***Well ID:*** 7279919	-/0.0	1.00	19

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
6	WWIS		lot 1 con 9 ON ***Well ID:*** 2804137	NNE/19.3	0.04	20
7	WWIS		lot 1 con 9 ON ***Well ID:*** 2802670	E/19.8	-2.00	24
8	WWIS		lot 1 con 1 ON ***Well ID:*** 2806945	E/24.7	-2.00	27
9	WWIS		lot 1 con 10 ON ***Well ID:*** 2803352	NNE/44.7	-0.96	31
10	WWIS		lot 1 con 9 ON ***Well ID:*** 2802669	E/57.9	-2.69	35
11	EHS		5150 Ninth Line Mississauga ON L5M 0R5	NW/100.6	1.00	37
12	WWIS		lot 1 con 10 ON ***Well ID:*** 2802701	NE/111.2	-3.00	37
13	WWIS		Mississauga ON ***Well ID:*** 7283290	W/114.0	2.05	41
14	WWIS		lot 1 con 10 ON ***Well ID:*** 2803939	NE/129.6	-2.58	43
15	WWIS		lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292424	NNW/140.3	1.07	46
16	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNW/143.6	1.00	48
16	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNW/143.6	1.00	49

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
16	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNW/143.6	1.00	49
16	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNW/143.6	1.00	49
16	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNW/143.6	1.00	50
16	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL	5170 NINTH LINE RR 2 HORNBY ON	NNW/143.6	1.00	50
16	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON	NNW/143.6	1.00	50
16	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNW/143.6	1.00	51
16	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNW/143.6	1.00	51
17	WWIS		lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292425	WNW/152.4	2.00	51
18	WWIS		lot 1 con 9 ON ***Well ID:*** 7293389	WNW/155.2	2.13	54
19	WWIS		lot 1 con 9 ON ***Well ID:*** 2802674	SE/162.4	-0.89	55
20	SPL		5130 Celebration Drive Mississauga ON L5M 8B4	N/163.2	1.00	58
21	EHS		5150 9 Line Mississauga ON L5M0R5	NNW/178.6	2.00	58

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
22	HINC		5050 INTREPID DR, UNIT 81 MISSISSAUGA ON	E/182.0	-3.00	58
22	PINC		5050 INTREPID DRIVE, MISSISSAUGA ON	E/182.0	-3.00	59
22	SPL	Enbridge<UNOFFICIAL>	5050 Intrepid Drive, Unit 86 Mississauga ON	E/182.0	-3.00	59
23	WWIS		lot 1 con 9 ON ***Well ID:*** 2803350	SE/186.2	0.00	60
24	WWIS		lot 1 con 10 ON ***Well ID:*** 2803411	E/189.3	-2.00	63
25	WWIS		lot 1 con 9 ON ***Well ID:*** 2802673	SE/191.2	-0.16	67
26	GEN	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	NNW/206.8	2.00	70
27	WWIS		lot 1 con 9 ON ***Well ID:*** 2802667	SSE/214.3	1.00	70

Executive Summary: Summary By Data Source

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2019 has found that there are 7 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5080 9 Line Milton ON L5M0R5	0.0	1
	5080 Ninth Line Milton ON	0.0	2
	5080 Ninth Line Mississauga ON	0.0	3
	5080 9 Line Mississauga ON L5M0R5	0.0	3
	5080 Ninth Line Milton ON	0.0	4
	5150 Ninth Line Mississauga ON L5M 0R5	100.6	11
	5150 9 Line Mississauga ON L5M0R5	178.6	21

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Dec 31, 2018 has found that there are 10 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	143.6	16

Site	Address	Distance (m)	Map Key
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	143.6	16
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	143.6	16
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON	143.6	16
CHURCHILL MEADOWS ANIMAL HOSPITAL	5170 NINTH LINE RR 2 HORNBY ON	143.6	16
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	143.6	16
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	143.6	16
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	143.6	16
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	143.6	16
CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.	5170 NINTH LINE MISSISSAUGA ON L5M 0R5	206.8	26

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 2 HINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5080 9th LINE MILTON ON	0.0	3
	5050 INTREPID DR, UNIT 81 MISSISSAUGA ON	182.0	22

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5050 INTREPID DRIVE, MISSISSAUGA ON	182.0	22

SPL - Ontario Spills

A search of the SPL database, dated 1988-Dec 2018 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5130 Celebration Drive Mississauga ON L5M 8B4	163.2	20
Enbridge<UNOFFICIAL>	5050 Intrepid Drive, Unit 86 Mississauga ON	182.0	22

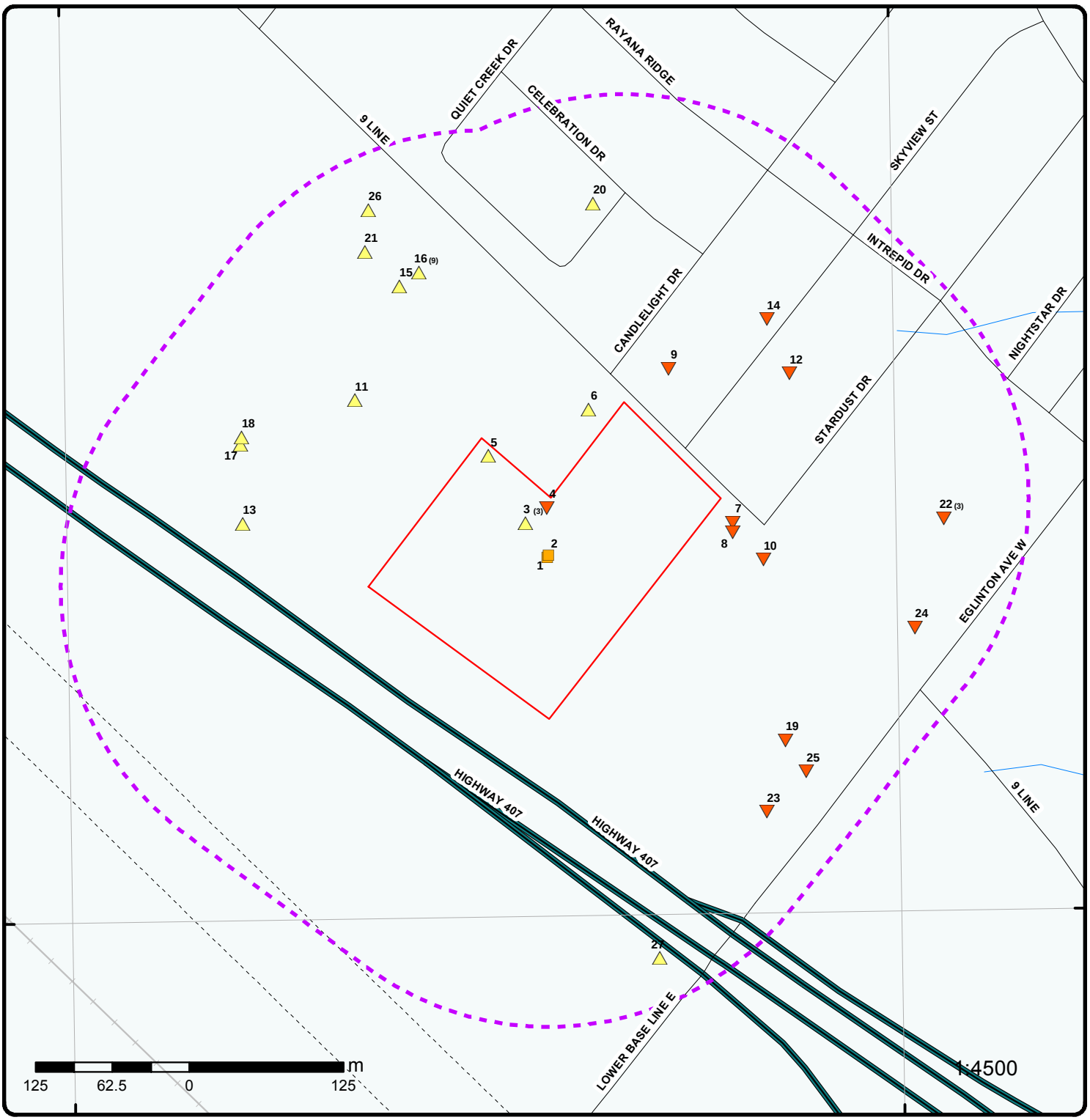
WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 17 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 1 con 9 ON ***Well ID:*** 7279919	0.0	5

Site	Address	Distance (m)	Map Key
	lot 1 con 9 ON ***Well ID:*** 2804137	19.3	6
	lot 1 con 9 ON ***Well ID:*** 2802670	19.8	7
	lot 1 con 1 ON ***Well ID:*** 2806945	24.7	8
	lot 1 con 10 ON ***Well ID:*** 2803352	44.7	9
	lot 1 con 9 ON ***Well ID:*** 2802669	57.9	10
	lot 1 con 10 ON ***Well ID:*** 2802701	111.2	12
	Mississauga ON ***Well ID:*** 7283290	114.0	13
	lot 1 con 10 ON ***Well ID:*** 2803939	129.6	14
	lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292424	140.3	15
	lot 1 con 9 MISSISSAUGA ON ***Well ID:*** 7292425	152.4	17
	lot 1 con 9 ON ***Well ID:*** 7293389	155.2	18
	lot 1 con 9 ON	162.4	19

Site	Address	Distance (m)	Map Key
	Well ID: 2802674		
	lot 1 con 9 ON	186.2	23
	Well ID: 2803350		
	lot 1 con 10 ON	189.3	24
	Well ID: 2803411		
	lot 1 con 9 ON	191.2	25
	Well ID: 2802673		
	lot 1 con 9 ON	214.3	27
	Well ID: 2802667		



Map : 0.25 Kilometer Radius

Order No: 20190328248

Address: 5080 Ninth Line, Milton, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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

79°43'30"W

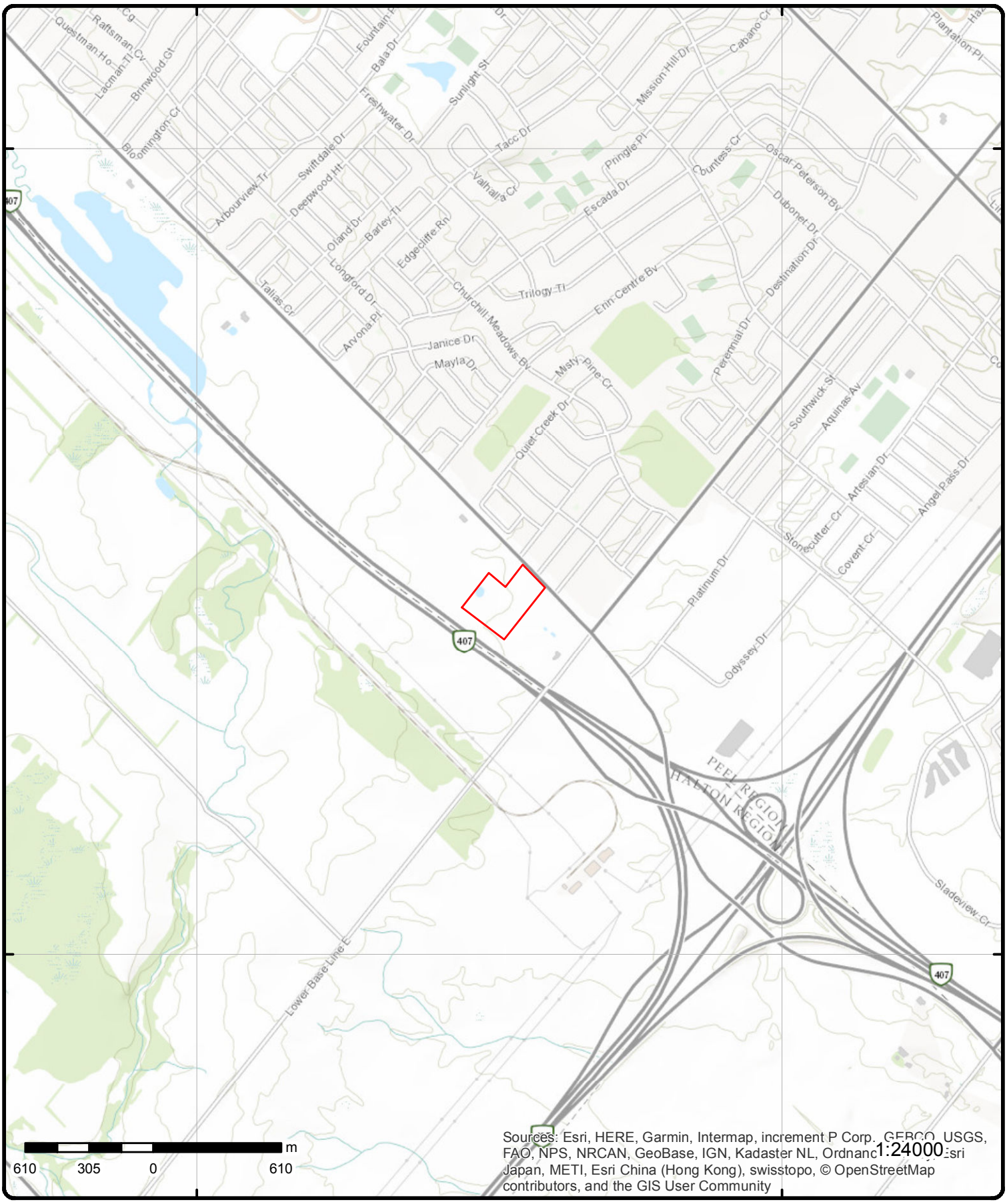
Aerial (2017)

Address: 5080 Ninth Line, Milton, ON

Source: ESRI World Imagery

Order No: 20190328248

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 5080 Ninth Line, Milton, ON

Source: ESRI World Topographic Map

Order No: 20190328248

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	188.8 / 0.00	5080 9 Line Milton ON L5M0R5	EHS

Order No:	20161220145	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	29-DEC-16	**Search Radius (km):**	.25
Date Received:	20-DEC-16	**X:**	-79.736877
Previous Site Name:		**Y:**	43.535959
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	-/0.0	188.8 / 0.00	5080 Ninth Line Milton ON	EHS

Order No:	20180726095	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	14-AUG-18	**Search Radius (km):**	.25
Date Received:	08-AUG-18	**X:**	-79.736865
Previous Site Name:		**Y:**	43.535974
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 3	-/0.0	189.0 / 0.14	5080 Ninth Line Mississauga ON	EHS

Order No:	20160712092	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	15-JUL-16	**Search Radius (km):**	.25
Date Received:	12-JUL-16	**X:**	-79.73709
Previous Site Name:		**Y:**	43.536212
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	2 of 3	-/0.0	189.0 / 0.14	5080 9 Line Mississauga ON L5M0R5	EHS

Order No:	20161125005	**Nearest Intersection:**	
Status:	C	**Municipality:**	MISSISSAUGA
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	01-DEC-16	**Search Radius (km):**	.25
Date Received:	25-NOV-16	**X:**	-79.736873
Previous Site Name:		**Y:**	43.535956
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches; City Directory; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	3 of 3	-/0.0	189.0 / 0.14	5080 9th LINE MILTON ON	HINC

External File Num: FS INC 0807-03946
Fuel Occurrence Type: Vapour Release
Date of Occurrence: 7/17/2008
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Private Dwelling
Service Interruptions: Yes
Property Damage: No
Fuel Life Cycle Stage: Utilization
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:Yes Management:No Human Factors:Yes
Reported Details: Homeowner hit gas meter with bobcat.
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Halton
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	-/0.0	188.8 / -0.03	5080 Ninth Line Milton ON	EHS

Order No: 20180717035
Status: C
Report Type: Standard Express Report
Report Date: 17-JUL-18
Date Received: 17-JUL-18
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.736876
Y: 43.536319

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	1 of 1	-/0.0	189.8 / 1.00	lot 1 con 9 ON	WWIS

Well ID: 7279919
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: C35694
Tag: A216288
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: Yes
Data Src:
Date Received: 1/30/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 7147
Form Version: 8
Owner:
Street Name:
County: HALTON
Municipality: MILTON TOWN (TRAFALGAR)
Site Info:
Lot: 001
Concession: 09
Concession Name: NS
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

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

Bore Hole Information

Bore Hole ID:	1006348193	***Elevation:***	189.95
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	602008
Code OB Desc:		***North83:***	4821192
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:		***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:			

6	*1 of 1*	*NNE/19.3*	*188.9 / 0.04*	*lot 1 con 9 ON*	*WWIS*

Well ID:	2804137	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/10/1973
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3637
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	09
Overburden/Bedrock:		***Concession Name:***	NS
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10150661	***Elevation:***	188.18
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	602089.6
Code OB Desc:	Overburden	***North83:***	4821230
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	19-AUG-72	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931434682
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	14
Formation End Depth:	50
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931434681
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931434683
Layer:	4
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	50
Formation End Depth:	52
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931434686
Layer:	7
Color:	8
General Color:	BLACK
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	

Formation Top Depth:	74
Formation End Depth:	75
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931434684
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	52
Formation End Depth:	62
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931434680
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931434685
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	62
Formation End Depth:	74
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962804137
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10699231
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930256176
Layer:	2
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	74
Casing Diameter:	32
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930256175
Layer:	1
Material:	3
Open Hole or Material:	CONCRETE
Depth From:	
Depth To:	71
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992804137
Pump Set At:	
Static Level:	18
Final Level After Pumping:	72
Recommended Pump Depth:	70
Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934177756
Test Type:	Recovery
Test Duration:	15
Test Level:	71
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934711574
Test Type:	Recovery
Test Duration:	45
Test Level:	69
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934971897
Test Type:	Recovery
Test Duration:	60
Test Level:	68
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934452798
Test Type:	Recovery
Test Duration:	30
Test Level:	70
Test Level UOM:	ft

Water Details

Water ID:	933606859
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	74
Water Found Depth UOM:	ft

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7 | ***1 of 1*** | ***E/19.8*** | ***186.8 / -2.00*** | ***lot 1 con 9 ON*** | ***WWIS***

Well ID:	2802670	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/9/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1612
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10149219	**Elevation:**	188.01
DP2BR:	83	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	602206.6
Code OB Desc:	Bedrock	**North83:**	4821138

Open Hole:
Cluster Kind:
Date Completed: 25-MAY-65
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931429271
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429273
Layer: 3
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 62
Formation End Depth: 83
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429274
Layer: 4
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 83
Formation End Depth: 111
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931429272
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	62
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962802670
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10697789
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930253889
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	83
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930253890
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	111
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992802670
Pump Set At:	
Static Level:	16
Final Level After Pumping:	111

Recommended Pump Depth:	106
Pumping Rate:	1
Flowing Rate:	
Recommended Pump Rate:	1
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933604784
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	110
Water Found Depth UOM:	ft

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8 ***1 of 1*** ***E/24.7*** ***186.8 / -2.00*** ***lot 1 con 1 ON*** ***WWIS***

Well ID:	2806945	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/18/1988
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4868
Casing Material:		***Form Version:***	1
Audit No:	07770	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	NS
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10153208	***Elevation:***	188.01
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	602206.6
Code OB Desc:	Overburden	***North83:***	4821130
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	3
Date Completed:	30-JUN-88	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931445013
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	14
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931445012
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	1
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931445015
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	12
Other Materials:	STONES
Formation Top Depth:	50
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931445011
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	

Other Materials:	
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931445014
Layer:	4
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	45
Formation End Depth:	50
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933139644
Layer:	1
Plug From:	0
Plug To:	10
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962806945
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10701778
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930260573
Layer:	3
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	55
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID: 930260571
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 4
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930260572
Layer: 2
Material: 2
Open Hole or Material: GALVANIZED
Depth From:
Depth To: 54
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992806945
Pump Set At:
Static Level: 28
Final Level After Pumping: 49
Recommended Pump Depth: 50
Pumping Rate: 3
Flowing Rate:
Recommended Pump Rate: 3
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934710496
Test Type: Recovery
Test Duration: 45
Test Level: 47
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934177319
Test Type: Recovery
Test Duration: 15
Test Level: 48
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934451345
Test Type: Recovery

Test Duration:	30
Test Level:	47
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934971470
Test Type:	Recovery
Test Duration:	60
Test Level:	46
Test Level UOM:	ft

Water Details

Water ID:	933610377
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	20
Water Found Depth UOM:	ft

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9 | ***1 of 1*** | ***NNE/44.7*** | ***187.9 / -0.96*** | ***lot 1 con 10 ON*** | ***WWIS***

Well ID:	2803352	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/13/1970
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4602
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	10
Overburden/Bedrock:		**Concession Name:**	NS
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10149894	**Elevation:**	187.84
DP2BR:	73	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	602154.6
Code OB Desc:	Bedrock	**North83:**	4821263
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	20-APR-70	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931431702
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	19
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431703
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	55
Formation End Depth:	67
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431701
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	19
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431704
Layer:	4
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	

Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 67
Formation End Depth: 73
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931431705
Layer: 5
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 73
Formation End Depth: 76
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962803352
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10698464
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930254921
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 76
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930254920
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 73
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	992803352
Pump Set At:	
Static Level:	18
Final Level After Pumping:	72
Recommended Pump Depth:	73
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
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:	
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934166601
Test Type:	Draw Down
Test Duration:	15
Test Level:	72
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934450131
Test Type:	Draw Down
Test Duration:	30
Test Level:	72
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934969645
Test Type:	Draw Down
Test Duration:	60
Test Level:	72
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934709335
Test Type:	Draw Down
Test Duration:	45
Test Level:	72
Test Level UOM:	ft

Water Details

Water ID:	933605729
Layer:	1
Kind Code:	4
Kind:	MINERIAL
Water Found Depth:	67
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 1	E/57.9	186.2 / -2.69	lot 1 con 9 ON	WWIS

Well ID:	2802669	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	2/12/1964
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1612
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10149218	**Elevation:**	188.02
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	602231.6
Code OB Desc:	Overburden	**North83:**	4821108
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	08-JAN-64	**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:	931429267
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429269
Layer:	3
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	
Formation Top Depth:	55
Formation End Depth:	83
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429268
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Other Materials:	BOULDERS
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429270
Layer:	4
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	83
Formation End Depth:	86
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962802669
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10697788
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930253888
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	86
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992802669
Pump Set At:	
Static Level:	19
Final Level After Pumping:	80
Recommended Pump Depth:	81
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:	1
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933604783
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	86
Water Found Depth UOM:	ft

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11 ***1 of 1*** ***NW/100.6*** ***189.8 / 1.00*** ***5150 Ninth Line Mississauga ON L5M 0R5*** ***EHS***

Order No:	20181107166	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	RSC Report - Quote	***Client Prov/State:***	ON
Report Date:	14-NOV-18	***Search Radius (km):***	.3
Date Received:	07-NOV-18	***X:***	-79.738789
Previous Site Name:		***Y:***	43.537128
Lot/Building Size:			
Additional Info Ordered:			

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12 ***1 of 1*** ***NE/111.2*** ***185.8 / -3.00*** ***lot 1 con 10 ON*** ***WWIS***

Well ID:	2802701	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/25/1967
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	

Water Type:		***Contractor:***	4602
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	MISSISSAUGA CITY (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	10
Overburden/Bedrock:		***Concession Name:***	NS
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10149250	***Elevation:***	186.04
DP2BR:	73	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	602252.6
Code OB Desc:	Bedrock	***North83:***	4821259
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	01-SEP-67	***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:	931429373
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	32
Formation End Depth:	44
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429375
Layer:	4
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 68
Formation End Depth: 73
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429374
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 44
Formation End Depth: 68
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429372
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 32
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429376
Layer: 5
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 73
Formation End Depth: 111
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962802701
Method Construction Code: 1
Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10697820
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930253926
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 73
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930253927
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 111
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992802701
Pump Set At:
Static Level: 21
Final Level After Pumping: 111
Recommended Pump Depth: 109
Pumping Rate: 2
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: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933604816
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 100
Water Found Depth UOM: ft

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

Water Details

Water ID:	933604815
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

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13 ***1 of 1*** ***W/114.0*** ***190.9 / 2.05*** ***Mississauga ON*** ***WWIS***

Well ID:	7283290	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	3/15/2017
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7472
Casing Material:		***Form Version:***	7
Audit No:	Z252633	***Owner:***	
Tag:	A222847	***Street Name:***	5150 NINTH LINE
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006367626	***Elevation:***	192.04
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	601809
Code OB Desc:		***North83:***	4821137
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	12-FEB-17	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006598116
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	34
Other Materials:	TILL
Mat3:	79

Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	25
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006598124
Layer:	2
Plug From:	14
Plug To:	25
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006598123
Layer:	1
Plug From:	0
Plug To:	14
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006598122
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1006598115
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006598119
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	15
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006598120
Layer:	1
Slot:	10
Screen Top Depth:	15
Screen End Depth:	25
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.5

Water Details

Water ID:	1006598118
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006598117
Diameter:	7.5
Depth From:	0
Depth To:	25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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14 ***1 of 1*** ***NE/129.6*** ***186.3 / -2.58*** ***lot 1 con 10 ON*** ***WWIS***

Well ID:	2803939	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/1/1972
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:***	MISSISSAUGA CITY (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	10
Overburden/Bedrock:		***Concession Name:***	NS
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10150466	***Elevation:***	187.26
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	602234.6
Code OB Desc:	Overburden	***North83:***	4821303
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	01-SEP-72	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931433823
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	15
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931433824
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	55
Formation End Depth:	63
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931433825
Layer:	4
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	63
Formation End Depth:	65
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931433822
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	25
Most Common Material:	OVERBURDEN
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	

Formation Top Depth: 0
Formation End Depth: 15
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962803939
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10699036
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930255850
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 65
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992803939
Pump Set At:
Static Level: 35
Final Level After Pumping: 62
Recommended Pump Depth: 62
Pumping Rate: 0
Flowing Rate:
Recommended Pump Rate: 0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934971329
Test Type: Draw Down
Test Duration: 60
Test Level: 61
Test Level UOM: ft

Water Details

Water ID: 933606566

Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

15 **1 of 1** **NNW/140.3** **189.9 / 1.07** **lot 1 con 9 MISSISSAUGA ON** **WWIS**

Well ID:	7292424	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	8/14/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z259507	**Owner:**	
Tag:	A227426	**Street Name:**	2170 NINTH LINE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006710283	**Elevation:**	191.02
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601936
Code OB Desc:		**North83:**	4821330
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	30-JUN-17	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006858618
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	2
Formation End Depth:	14

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006858619
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 14
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006858617
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006858627
Layer: 2
Plug From: 14
Plug To: 25
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006858626
Layer: 1
Plug From: 0
Plug To: 14
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006858625
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID:	1006858616
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006858622
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	15
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006858623
Layer:	1
Slot:	10
Screen Top Depth:	15
Screen End Depth:	25
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.5

Water Details

Water ID:	1006858621
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006858620
Diameter:	7.5
Depth From:	0
Depth To:	25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	1 of 9	NNW/143.6	189.8 / 1.00	***CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.*** ***5170 NINTH LINE*** ***MISSISSAUGA ON L5M 0R5***	GEN

Generator No:	ON4102838	***PO Box No:***	
Status:		***Country:***	Canada
Approval Years:	2016	***Choice of Contact:***	CO_OFFICIAL
Contam. Facility:	No	***Co Admin:***	
MHSW Facility:	No	***Phone No Admin:***	
SIC Code:	541940		
SIC Description:	VETERINARY SERVICES		

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

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

---

16 ***2 of 9*** ***NNW/143.6*** ***189.8 / 1.00*** ***CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5*** ***GEN***

Generator No: ON4102838
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

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

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

16 ***3 of 9*** ***NNW/143.6*** ***189.8 / 1.00*** ***CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5*** ***GEN***

Generator No: ON4102838
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

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

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

16 ***4 of 9*** ***NNW/143.6*** ***189.8 / 1.00*** ***CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5*** ***GEN***

Generator No: ON4102838
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No

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

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

SIC Code: 541940
SIC Description: VETERINARY SERVICES

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

---

16 | ***5 of 9*** | ***NNW/143.6*** | ***189.8 / 1.00*** | ***CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.***
5170 NINTH LINE
MISSISSAUGA ON L5M 0R5 | ***GEN***

Generator No: ON4102838
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

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

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

---

16 | ***6 of 9*** | ***NNW/143.6*** | ***189.8 / 1.00*** | ***CHURCHILL MEADOWS ANIMAL HOSPITAL***
5170 NINTH LINE RR 2
HORNBY ON | ***GEN***

Generator No: ON4102838
Status:
Approval Years: 03,04,05
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

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

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

16 | ***7 of 9*** | ***NNW/143.6*** | ***189.8 / 1.00*** | ***CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.***
5170 NINTH LINE
MISSISSAUGA ON | ***GEN***

Generator No: ON4102838
Status:
Approval Years: 2013
Contam. Facility:

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

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

MHSW Facility: **Phone No Admin:**
SIC Code: 541940
SIC Description: VETERINARY SERVICES

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

16 | **8 of 9** | **NNW/143.6** | **189.8 / 1.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.**
5170 NINTH LINE
MISSISSAUGA ON L5M 0R5 | **GEN**

Generator No: ON4102838
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 541940
SIC Description: VETERINARY SERVICES

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

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

---

16 | **9 of 9** | **NNW/143.6** | **189.8 / 1.00** | **CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP.**
5170 NINTH LINE
MISSISSAUGA ON L5M 0R5 | **GEN**

Generator No: ON4102838
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 541940
SIC Description: Veterinary Services

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

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

17 | **1 of 1** | **WNW/152.4** | **190.8 / 2.00** | **lot 1 con 9**
MISSISSAUGA ON | **WWIS**

Well ID: 7292425
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:

Data Entry Status:
Data Src:
Date Received: 8/14/2017
Selected Flag: Yes

Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7472
Casing Material:		***Form Version:***	7
Audit No:	Z259508	***Owner:***	
Tag:	A227427	***Street Name:***	5170 NINTH LINE
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	09
Overburden/Bedrock:		***Concession Name:***	NS
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006710286	***Elevation:***	192.11
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	601807
Code OB Desc:		***North83:***	4821201
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	30-JUN-17	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006858638
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006858639
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND

Mat3: 79
Other Materials: PACKED
Formation Top Depth: 2
Formation End Depth: 14
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006858640
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 14
Formation End Depth: 25
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006858647
Layer: 1
Plug From: 0
Plug To: 14
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006858648
Layer: 2
Plug From: 14
Plug To: 25
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006858646
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1006858637
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006858643
Layer: 1
Material: 5

Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	15
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006858644
Layer:	1
Slot:	10
Screen Top Depth:	15
Screen End Depth:	25
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.5

Water Details

Water ID:	1006858642
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006858641
Diameter:	7.5
Depth From:	0
Depth To:	25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

---

18 ***1 of 1*** ***WNW/155.2*** ***191.0 / 2.13*** ***lot 1 con 9 ON*** ***WWIS***

Well ID:	7293389	***Data Entry Status:***	Yes
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	8/24/2017
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	7360
Casing Material:		***Form Version:***	8
Audit No:	C38677	***Owner:***	
Tag:	A227427	***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	09
Overburden/Bedrock:		***Concession Name:***	NS
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

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

Bore Hole ID:	1006713396	**Elevation:**	192.11
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601808
Code OB Desc:		**North83:**	4821207
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:		**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

19 **1 of 1** **SE/162.4** **188.0 / -0.89** **lot 1 con 9 ON** **WWIS**

Well ID:	2802674	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/28/1967
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1612
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10149223	**Elevation:**	186.79
DP2BR:	90	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	602249.6
Code OB Desc:	Bedrock	**North83:**	4820961
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	29-JUL-67	**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: 931429286

Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	68
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429287
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	08
Other Materials:	FINE SAND
Mat3:	
Other Materials:	
Formation Top Depth:	68
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429285
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429288
Layer:	4
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	90
Formation End Depth:	108
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962802674
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10697793
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930253895
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	108
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930253894
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	91
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992802674
Pump Set At:	
Static Level:	25
Final Level After Pumping:	108
Recommended Pump Depth:	103
Pumping Rate:	0
Flowing Rate:	
Recommended Pump Rate:	0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	48
Pumping Duration MIN:	0
Flowing:	N

Water Details

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

Water ID: 933604787
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 105
Water Found Depth UOM: ft

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20 | **1 of 1** | **N/163.2** | **189.8 / 1.00** | **5130 Celebration Drive, Mississauga ON L5M 8B4** | **SPL**

Ref No: 1875-8JQE9P
Site No:
Incident Dt: 7/13/2011
Year:
Incident Cause:
Incident Event:
Contaminant Code: n/a
Contaminant Name: REFRIGERANT GAS R22
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Confirmed
Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 7/13/2011
Dt Document Closed:
Incident Reason:
Site Name: Residence<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: TSSA: refrigerant leak
Contaminant Qty: 3.5 kg

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address: 5130 Celebration Drive
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Mississauga
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: TSSA - Fuel Safety Branch
Source Type:

---

21 | **1 of 1** | **NNW/178.6** | **190.8 / 2.00** | **5150 9 Line, Mississauga ON L5M0R5** | **EHS**

Order No: 20170125138
Status: C
Report Type: Standard Report
Report Date: 01-FEB-17
Date Received: 25-JAN-17
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.738666
Y: 43.538211

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22 | **1 of 3** | **E/182.0** | **185.8 / -3.00** | **5050 INTREPID DR, UNIT 81, MISSISSAUGA ON** | **HINC**

External File Num: FS INC 0704-01784
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 4/9/2007
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: No
Property Damage: No
Fuel Life Cycle Stage: Transmission, Distribution and Transportation

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

Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:No Human Factors:Yes
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Peel
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

---

22 **2 of 3** **E/182.0** **185.8 / -3.00** **5050 INTREPID DRIVE, MISSISSAUGA ON** **PINC**

Incident ID:
Incident No: 1418888
Type: FS-Pipeline Incident
Status Code: Pipeline Damage Reason Est
Fuel Occurrence Tp:
Fuel Type:
Tank Status: RC Established
Task No: 5067853
Spills Action Centre:
Method Details: E-mail
Fuel Category: Natural Gas
Date of Occurrence:
Occurrence Start Date: 2014/08/27
Operation Type:
Pipeline Type:
Regulator Type:
Summary: 5050 INTREPID DRIVE, MISSISSAUGA - PIPELINE HIT - 1 ¼"
Reported By: Terry Reagan - Enbridge
Affiliation:
Occurrence Desc:
Damage Reason: Excavation practices not sufficient
Notes:

Health Impact:
Environment Impact:
Property Damage: Yes
Service Interupt:
Enforce Policy: Yes
Public Relation:
Pipeline System:
Depth:
Pipe Material:
PSIG:
Attribute Category: FS-Perform P-line Inc Invest
Regualtor Location:

---

22 **3 of 3** **E/182.0** **185.8 / -3.00** **Enbridge<UNOFFICIAL> 5050 Intrepid Drive, Unit 86 Mississauga ON** **SPL**

Ref No: 0070-9L6MSP
Site No: NA
Incident Dt: 2014/06/17
Year:
Incident Cause: Leak/Break
Incident Event:
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Confirmed
Nature of Impact: Air Pollution
Receiving Medium:
Receiving Env:
MOE Response: Referral to others
Dt MOE Arvl on Scn:
MOE Reported Dt: 2014/06/17

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Pipeline/Components
Agency Involved:
Nearest Watercourse:
Site Address: 5050 Intrepid Drive, Unit 86
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Mississauga
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:

Dt Document Closed:	2014/07/31	**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	**Source Type:**	
Site Name:	5050 Intrepid Drive, Unit 86<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Enbridge: 1.25 inch plastic line strike, not made safe		
Contaminant Qty:	0 other - see incident description		

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23 | **1 of 1** | **SE/186.2** | **188.8 / 0.00** | **lot 1 con 9 ON** | **WWIS**

Well ID:	2803350	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/5/1970
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:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10149892	**Elevation:**	187.82
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	602234.6
Code OB Desc:	Overburden	**North83:**	4820903
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	21-APR-70	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931431698
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Other Materials:	BOULDERS

Mat3:
Other Materials:
Formation Top Depth: 62
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931431696
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931431697
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 62
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962803350
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10698462
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930254917
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:

Depth To:	63
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992803350
Pump Set At:	
Static Level:	15
Final Level After Pumping:	57
Recommended Pump Depth:	60
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934166599
Test Type:	Recovery
Test Duration:	15
Test Level:	54
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934969643
Test Type:	Recovery
Test Duration:	60
Test Level:	45
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934709333
Test Type:	Recovery
Test Duration:	45
Test Level:	48
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934450129
Test Type:	Recovery
Test Duration:	30
Test Level:	51
Test Level UOM:	ft

Water Details

Water ID:	933605726
Layer:	1
Kind Code:	1

Kind:	FRESH
Water Found Depth:	63
Water Found Depth UOM:	ft

24 | **1 of 1** | **E/189.3** | **186.8 / -2.00** | **lot 1 con 10 ON** | **WWIS**

Well ID:	2803411	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Not Used	**Date Received:**	8/14/1970
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	3903
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	10
Overburden/Bedrock:		**Concession Name:**	NS
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10149952	**Elevation:**	186.59
DP2BR:	100	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	602354.6
Code OB Desc:	Bedrock	**North83:**	4821053
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	12-MAR-70	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931431918
Layer:	6
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	100
Formation End Depth:	130
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431913
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431914
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	73
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431916
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	74
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931431917
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	05
Other Materials:	CLAY

Mat3: 11
Other Materials: GRAVEL
Formation Top Depth: 80
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931431915
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Other Materials: MEDIUM SAND
Mat3: 11
Other Materials: GRAVEL
Formation Top Depth: 73
Formation End Depth: 74
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933139592
Layer: 1
Plug From: 0
Plug To: 12
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933139594
Layer: 3
Plug From: 55
Plug To: 62
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933139593
Layer: 2
Plug From: 18
Plug To: 40
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962803411
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10698522

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930255020
Layer: 2
Material: 2
Open Hole or Material: GALVANIZED
Depth From:
Depth To: 126
Casing Diameter: 1
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930255019
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 7
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933338807
Layer: 1
Slot: 010
Screen Top Depth: 126
Screen End Depth: 128
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 992803411
Pump Set At:
Static Level: 32
Final Level After Pumping: 125
Recommended Pump Depth:
Pumping Rate: 8
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: 2
Pumping Duration HR: 0
Pumping Duration MIN: 17
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934969698

Test Type:	Recovery
Test Duration:	60
Test Level:	110
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934709806
Test Type:	Recovery
Test Duration:	45
Test Level:	114
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934166654
Test Type:	Recovery
Test Duration:	15
Test Level:	121
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934450602
Test Type:	Recovery
Test Duration:	30
Test Level:	118
Test Level UOM:	ft

Water Details

Water ID:	933605817
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	73
Water Found Depth UOM:	ft

Water Details

Water ID:	933605818
Layer:	2
Kind Code:	2
Kind:	SALTY
Water Found Depth:	100
Water Found Depth UOM:	ft

25 ***1 of 1*** ***SE/191.2*** ***188.7 / -0.16*** ***lot 1 con 9 ON*** ***WWIS***

Well ID:	2802673	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:		***Date Received:***	8/28/1967
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1612
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	MILTON TOWN (TRAFALGAR)

Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Site Info:
Lot: 001
Concession: 09
Concession Name: NS
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10149222
DP2BR: 93
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 25-JUL-67
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 186.62
Elevrc:
Zone: 17
East83: 602266.6
North83: 4820936
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931429281
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931429284
Layer: 4
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 93
Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931429282
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	54
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429283
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	
Formation Top Depth:	54
Formation End Depth:	93
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962802673
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10697792
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930253893
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
26	1 of 1	NNW/206.8	190.8 / 2.00	CHURCHILL MEADOWS ANIMAL HOSPITAL PROF. CORP. 5170 NINTH LINE MISSISSAUGA ON L5M 0R5	GEN

Generator No:	ON4102838	**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:			

--Details--

Waste Code:	264 L
Waste Description:	Photoprocessing wastes
Waste Code:	312 P
Waste Description:	Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
27	1 of 1	SSE/214.3	189.8 / 1.00	lot 1 con 9 ON	WWIS

Well ID:	2802667	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/27/1956
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1642
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	MILTON TOWN (TRAFALGAR)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	09
Overburden/Bedrock:		**Concession Name:**	NS
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10149216	**Elevation:**	185.62
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	602147.6
Code OB Desc:	Overburden	**North83:**	4820784
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	05-NOV-56	**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:	931429263
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	
Formation Top Depth:	30
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931429262
Layer:	1
Color:	
General Color:	
Mat1:	23
Most Common Material:	PREVIOUSLY DUG
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	30
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962802667
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10697786
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930253885
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	80
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992802667
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:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	N

Water Details

Water ID:	933604781
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	78
Water Found Depth UOM:	ft

Unplottable Summary

Total: 46 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA		Eglington Avenue West	Mississauga ON	
CA		Eglington Avenue West	Mississauga ON	
CA	THE ERIN MILLS DEVELOPMENT CORPORATION	EGLINTON AVE.	MISSISSAUGA CITY ON	
CA	MISSISSAUGA CITY	EGLINTON AVE.	MISSISSAUGA CITY ON	
CA	MISSISSAUGA CITY	EGLINTON AVE.	MISSISSAUGA CITY ON	
CA	MISSISSAUGA CITY	EGLINTON AVE.	MISSISSAUGA CITY ON	
CA	MASTERGRAIN INVESTMENTS INC. RESID. SUBD	STREET 'A'/EGLINTON AVENUE	MISSISSAUGA CITY ON	
CA	KINGSBRIDGE DEVELOPMENTS INC	EGLINTON AVE.	MISSISSAUGA CITY ON	
CA	GOLDOME INVESTMENTS LTD.	EGLINTON AVE./STREET 'A'	MISSISSAUGA ON	
CA	GOLDOME INVESTMENTS LTD.	EGLINTON AVE./STREET 'A'	MISSISSAUGA ON	
CA	The Erin Mills Development Corporation	South of Eglinton Ave W	Mississauga ON	
CA	The Erin Mills Development Corporation	South of Eglinton Ave W	Mississauga ON	
CA	2144193 Ontario Inc.	Eglinton Ave W	Mississauga ON	
CA	455469 ONTARIO LIMITED	EGLINTON AVE. WEST	MISSISSAUGA CITY ON	
CA	FUSCOM INVESTORS INC.	EGLINTON AVE. W.	MISSISSAUGA CITY ON	
CA	KANEFF HOLDINGS INC.	EGLINTON AVE. WEST	MISSISSAUGA CITY ON	
CA	R.M. OF PEEL	EGLINTON AVE. W.	MISSISSAUGA CITY ON	

CA	GOLDHOME INVESTMENTS LTD.	EGLINTON AVE./STREET 'A'	MISSISSAUGA ON	
CA		Ninth Line	Mississauga ON	
CA	FIRST CITY DEVELOPMENT CORP. LTD.	EASEMENT NINTH LINE LISGAR SUB	MISSISSAUGA CITY ON	
CA	MISSISSAUGA CITY-LISGAR/W.CHURCHILL DIST	NINTH LINE/FUTURE ERIN CENTRE	MISSISSAUGA CITY ON	
CA	UNION GAS LIMITED	NINTH LINE	MILTON TOWN ON	
CA	GOLDHOME INVESTMENTS LTD.	EGLINTON AVE./STREET 'A'	MISSISSAUGA ON	
CA	The Erin Mills Development Corporation	Lot 1, 2, 3 Conc 10	Mississauga ON	
CA	The Erin Mills Development Corporation	Lot 1, 2, 3 Conc 10	Mississauga ON	
CA	The Erin Mills Development Corporation	Lot 1, 2, 3 Conc 10	Mississauga ON	
CA	The Erin Mills Development Corporation	Part of Lots 1, 2, 3, Concession 10	Mississauga ON	
CA	MASTERGRAIN INVESTMENTS INC. RESID. SUBD	STREET 'A'/EGLINTON AVENUE	MISSISSAUGA CITY ON	
CA	R.M. PEEL	EGLINTON AVE. W.	MISSISSAUGA CITY ON	
ECA	Metrolinx	Eglinton Ave W	Mississauga ON	M5J 2W3
ECA	The Erin Mills Development Corporation	South of Eglinton Ave W	Mississauga ON	L4K 1Y2
ECA	The Erin Mills Development Corporation	South of Eglinton Ave W	Mississauga ON	L4K 1Y2
ECA	The Corporation of the Town of Milton	Lower Base Line	Milton ON	L9T 6Z5
ECA	The Erin Mills Development Corporation	South of Eglinton Ave W	Mississauga ON	L4K 1Y2
ECA	Regional Municipality of Peel	Eglinton Ave W	Mississauga ON	L6T 4B9
ECA	Metrolinx	Eglinton Ave W	Mississauga ON	M5J 2W3
EHS		E Lower Base Line	Milton ON	
EHS		Ninth Line	Mississauga ON	
GEN	GLEN OAKS MEMORIAL GARDENS	NINTH LINE C/O 3476 GLEN ERIN DRIVE	MISSISSAUGA ON	L5L 1W6

PTTW	TransCanada PipeLines Limited	Lot 10, Concession 9 (Ninth Line) Town of Milton, Regional Municipality of Halton TOWN OF MILTON	ON	
REC	GLEN OAKS MEMORIAL GARDENS	NINTH LINE	MISSISSAUGA ON	L5L 1W6
REC	GLEN OAKS MEMORIAL GARDENS	NINTH LINE C/O 3476 GLEN ERIN DRIVE	MISSISSAUGA ON	L5L 1W6
SPL	Enbridge Gas Distribution Inc.	Hydro Corridor south of Hwy 407 and 600m east of 9th Line	Mississauga ON	
SPL	Belor Construction Ltd<UNOFFICIAL>	Highway 407 - South of Brittania Rd, North of Lower Base Line	Milton ON	
SPL		Westbound 407, past Winston Churchill<UNOFFICIAL>	Mississauga ON	
WWIS		lot 1	ON	

Unplottable Report

Site:
Eglington Avenue West Mississauga ON

Database: ***CA***

Certificate #: 4841-4Y5L6T
Application Year: 01
Issue Date: 7/6/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Erin Mills Development Corporation
Client Address: 7501 Keele Street, Suite 500, Concord
Client City: Vaughan
Client Postal Code: L4K 1Y2
Project Description: Construction of watermians on Eglington Avenue West
Contaminants:
Emission Control:

Site:
Eglington Avenue West Mississauga ON

Database: ***CA***

Certificate #: 4272-4Y5KYY
Application Year: 01
Issue Date: 7/6/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Erin Mills Development Corporation
Client Address: 7501 Keele Street, Suite 500, Concord
Client City: Vaughan
Client Postal Code: L4K 1Y2
Project Description: Construction of sanitary and storm sewers on Eglinton Avenue West.
Contaminants:
Emission Control:

Site: ***THE ERIN MILLS DEVELOPMENT CORPORATION***
EGLINTON AVE. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 3-1471-87-
Application Year: 87
Issue Date: 8/14/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MISSISSAUGA CITY***
EGLINTON AVE. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 3-1481-88-

Application Year: 88
Issue Date: 8/25/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MISSISSAUGA CITY***
EGLINTON AVE. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 3-1543-86-
Application Year: 86
Issue Date: 10/16/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MISSISSAUGA CITY***
EGLINTON AVE. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 3-1682-87-
Application Year: 87
Issue Date: 10/13/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MASTERGRAIN INVESTMENTS INC. RESID. SUBD***
STREET 'A'/EGLINTON AVENUE MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 7-1843-89-
Application Year: 89
Issue Date: 11/22/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***KINGSBRIDGE DEVELOPMENTS INC***
EGLINTON AVE. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 7-1761-87-
Application Year: 87
Issue Date: 11/30/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***GOLDOME INVESTMENTS LTD.***
EGLINTON AVE./STREET 'A' MISSISSAUGA ON

Database: ***CA***

Certificate #: 7-0788-85-007
Application Year: 85
Issue Date: 10/7/85
Approval Type: Municipal water
Status: Revised Ammendment
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***GOLDOME INVESTMENTS LTD.***
EGLINTON AVE./STREET 'A' MISSISSAUGA ON

Database: ***CA***

Certificate #: 3-1072-85-007
Application Year: 85
Issue Date: 10/7/85
Approval Type: Municipal sewage
Status: Revised Ammendment
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Erin Mills Development Corporation***
South of Eglinton Ave W Mississauga ON

Database: ***CA***

Certificate #: 3777-7VARPZ
Application Year: 2009
Issue Date: 8/31/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:

Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Erin Mills Development Corporation***
South of Eglinton Ave W Mississauga ON

Database: ***CA***

Certificate #: 8057-7JBHJ7
Application Year: 2008
Issue Date: 9/9/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***2144193 Ontario Inc.***
Eglinton Ave W Mississauga ON

Database: ***CA***

Certificate #: 9942-7GDR4N
Application Year: 2008
Issue Date: 7/11/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***455469 ONTARIO LIMITED***
EGLINTON AVE. WEST MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 3-2137-87-
Application Year: 87
Issue Date: 12/7/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***FUSCOM INVESTORS INC.***
EGLINTON AVE. W. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 7-1389-88-
Application Year: 88

Issue Date: 8/26/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***KANEFF HOLDINGS INC.***
EGLINTON AVE. WEST MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 7-1767-88-
Application Year: 88
Issue Date: 10/30/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF PEEL***
EGLINTON AVE. W. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 7-0035-88-
Application Year: 88
Issue Date: 1/28/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***GOLDHOME INVESTMENTS LTD.***
EGLINTON AVE./STREET 'A' MISSISSAUGA ON

Database: ***CA***

Certificate #: 7-0788-85-006
Application Year: 85
Issue Date: 9/10/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site:
Ninth Line Mississauga ON

Database: ***CA***

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

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

Database: ***CA***

Certificate #:	3-0128-87-
Application Year:	87
Issue Date:	2/27/1987
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

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

Database: ***CA***

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

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

Database: ***CA***

Certificate #:	8-3113-88-
Application Year:	88
Issue Date:	9/12/1988
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	

Client Postal Code:
Project Description: COMPRESSED/DIESEL
Contaminants: Nitrogen Oxides, Carbon Monoxide, Methane (Incl. Hydrocarbons Expr. As Ch4
Emission Control: Silencer

Site: ***GOLDHOME INVESTMENTS LTD.***
EGLINTON AVE./STREET 'A' MISSISSAUGA ON

Database: ***CA***

Certificate #: 3-1072-85-006
Application Year: 85
Issue Date: 9/10/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Erin Mills Development Corporation***
Lot 1, 2, 3 Conc 10 Mississauga ON

Database: ***CA***

Certificate #: 3569-5PNLBN
Application Year: 2003
Issue Date: 7/22/2003
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Erin Mills Development Corporation***
Lot 1, 2, 3 Conc 10 Mississauga ON

Database: ***CA***

Certificate #: 4444-5SLQAF
Application Year: 2003
Issue Date: 10/24/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Erin Mills Development Corporation***
Lot 1, 2, 3 Conc 10 Mississauga ON

Database: ***CA***

Certificate #: 4729-5S6LXX
Application Year: 2003
Issue Date: 10/9/2003

Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Erin Mills Development Corporation***
Part of Lots 1, 2, 3, Concession 10 Mississauga ON

Database: ***CA***

Certificate #: 8380-5MSKSK
Application Year: 2003
Issue Date: 5/22/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MASTERGRAIN INVESTMENTS INC. RESID. SUBD***
STREET 'A'/EGLINTON AVENUE MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 3-2223-89-
Application Year: 89
Issue Date: 11/22/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. PEEL***
EGLINTON AVE. W. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 3-0036-88-
Application Year: 88
Issue Date: 1/28/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Metrolinx*** ***Database:*** ***ECA***
Eglinton Ave W Mississauga ON M5J 2W3

Approval No:	0445-9YVPCU	***MOE District:***	
Approval Date:	2015-07-30	***City:***	Mississauga
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Eglinton Ave W		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4036-9YVJFG-14.pdf		

Site: ***The Erin Mills Development Corporation*** ***Database:*** ***ECA***
South of Eglinton Ave W Mississauga ON L4K 1Y2

Approval No:	3777-7VARPZ	***MOE District:***	
Approval Date:	2009-08-31	***City:***	Mississauga
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	South of Eglinton Ave W		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6408-7RZKR8-14.pdf		

Site: ***The Erin Mills Development Corporation*** ***Database:*** ***ECA***
South of Eglinton Ave W Mississauga ON L4K 1Y2

Approval No:	8057-7JBHJ7	***MOE District:***	
Approval Date:	2008-09-09	***City:***	Mississauga
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	South of Eglinton Ave W		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0555-7J7QGF-14.pdf		

Site: ***The Corporation of the Town of Milton*** ***Database:*** ***ECA***
Lower Base Line Milton ON L9T 6Z5

Approval No:	2132-8WAHVT	***MOE District:***	
Approval Date:	2012-07-19	***City:***	Milton
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Lower Base Line		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4312-8W5KGA-14.pdf		

Site: ***The Erin Mills Development Corporation*** ***Database:*** ***ECA***
South of Eglinton Ave W Mississauga ON L4K 1Y2

Approval No:	7666-7JBHD4	***MOE District:***	
Approval Date:	2008-09-09	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-Municipal Drinking Water Systems		
Project Type:	Municipal Drinking Water Systems		
Address:	South of Eglinton Ave W		
Full Address:			
Full PDF Link:			

Site: ***Regional Municipality of Peel***
Eglinton Ave W Mississauga ON L6T 4B9

Database: ***ECA***

Approval No:	1557-A3SNE9	***MOE District:***	
Approval Date:	2015-11-03	***City:***	Mississauga
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Eglinton Ave W		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4330-A2UQDN-14.pdf		

Site: ***Metrolinx***
Eglinton Ave W Mississauga ON M5J 2W3

Database: ***ECA***

Approval No:	5758-9NFLGU	***MOE District:***	
Approval Date:	2014-09-08	***City:***	Mississauga
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Eglinton Ave W		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0830-9N6R6M-14.pdf		

Site:
E Lower Base Line Milton ON

Database: ***EHS***

Order No:	20130403003	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	09-APR-13	***Search Radius (km):***	.25
Date Received:	03-APR-13	***X:***	0
Previous Site Name:		***Y:***	0
Lot/Building Size:			
Additional Info Ordered:			

Site:
Ninth Line Mississauga ON

Database: ***EHS***

Order No:	20120206042	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	2/15/2012	***Search Radius (km):***	0.25
Date Received:	2/6/2012 3:13:37 PM	***X:***	-79.7142

Previous Site Name: Unknown ***Y:*** 1
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Topographic Maps

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

Database: ***GEN***

Generator No: RR0530
Status:
Approval Years: 86
Contam. Facility:
MHSW Facility:
SIC Code: 011
SIC Description:

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

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

Database: ***PTTW***

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

Proposal Date: May 27, 2015
Notice Date: July 08, 2015
Year: 2015

Location:

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

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

Database: ***REC***

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

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

Database: ***REC***

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

Site: ***Enbridge Gas Distribution Inc.***
Hydro Corridor south of Hwy 407 and 600m east of 9th Line Mississauga ON

Database: ***SPL***

Ref No:	4667-9USNYH	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	3/20/2015	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Leak/Break	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	Hydro Corridor south of Hwy 407 and 600m east of 9th Line
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	Mississauga
Nature of Impact:	Land	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	N	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	3/20/2015	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:	Unknown / N/A	***Source Type:***	
Site Name:	Spill Site<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Enbridge - 1/2L hydraulic oil to ground		
Contaminant Qty:	0.5 L		

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

Database: ***SPL***

Ref No:	6851-7WEMZZ	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	10/1/2009	***Site Map Datum:***	
Dt Document Closed:	11/20/2009	***SAC Action Class:***	Watercourse Spills
Incident Reason:		***Source Type:***	
Site Name:	Highway 407 - South of Brittania Rd, North of Lower Base Line<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Belor Construction - 22L hydraulic oil to SWRP, cleaning		
Contaminant Qty:	3 gal-Imp		

Site:
Westbound 407, past Winston Churchill<UNOFFICIAL> Mississauga ON

Database: ***SPL***

Ref No:	6314-7JYJ2W	***Discharger Report:***	

Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Transport Accident	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	Mississauga
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/30/2008	***Site Map Datum:***	
Dt Document Closed:	12/2/2008	***SAC Action Class:***	Highway Spills (usually highway accidents)
Incident Reason:	Unknown - Reason not determined	***Source Type:***	
Site Name:	Westbound 407, past Winston Churchill<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	15 L of fuel to ditch-clean-up initiated		
Contaminant Qty:	15 L		

Site:
lot 1 ON

Database:
WWIS

Well ID:	2808965	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/1/1999
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3406
Casing Material:		***Form Version:***	1
Audit No:	195943	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	MILTON TOWN (NASSAGAWEYA)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10155222	***Elevation:***	
DP2BR:	41	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	25-AUG-98	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 931453696
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 21
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931453698
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 05
Other Materials: CLAY
Mat3:
Other Materials:
Formation Top Depth: 41
Formation End Depth: 49
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931453699
Layer: 4
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 49
Formation End Depth: 85
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931453697
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:

Formation Top Depth: 21
Formation End Depth: 41
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933140373
Layer: 1
Plug From: 0
Plug To: 50
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962808965
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10703792
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930264141
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 85
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930264140
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 50
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992808965
Pump Set At:
Static Level: 10
Final Level After Pumping: 13
Recommended Pump Depth: 55
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934977478
Test Type: Draw Down
Test Duration: 60
Test Level: 13
Test Level UOM: ft

Water Details

Water ID: 933613017
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 81
Water Found Depth UOM: ft

Water Details

Water ID: 933613016
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 75
Water Found Depth UOM: ft

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2018

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Nov 2016

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Jan 31, 2019

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2019

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 - Dec 2018

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-Jan 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-Feb 28, 2019

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Oct 2018

Dry Cleaning Facilities: Federal DRYCLEANERS

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2017

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Feb 28, 2019

Environmental Registry: Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Feb 28, 2019

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Feb 28, 2019

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Jan 31, 2019

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities: Provincial EXP

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

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Oct 2018

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2018

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Dec 31, 2018

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2016

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents: Provincial INC

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

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Sep 30, 2017

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Environmental Penalty Annual Report: Provincial MISA PENALTY

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2017

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2018

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2016

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Sep 30, 2018

National Energy Board Wells: Federal NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGW

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

Government Publication Date: 1988-Feb 28, 2019

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-May 2018

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Feb 28, 2019

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: 1988-Sep 2018

TSSA Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Feb 28, 2019

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2019

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Jan 31, 2019

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Dec 2018

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2016

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970-Aug 2018

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Feb 28, 2019

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Dec 31, 2017

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

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

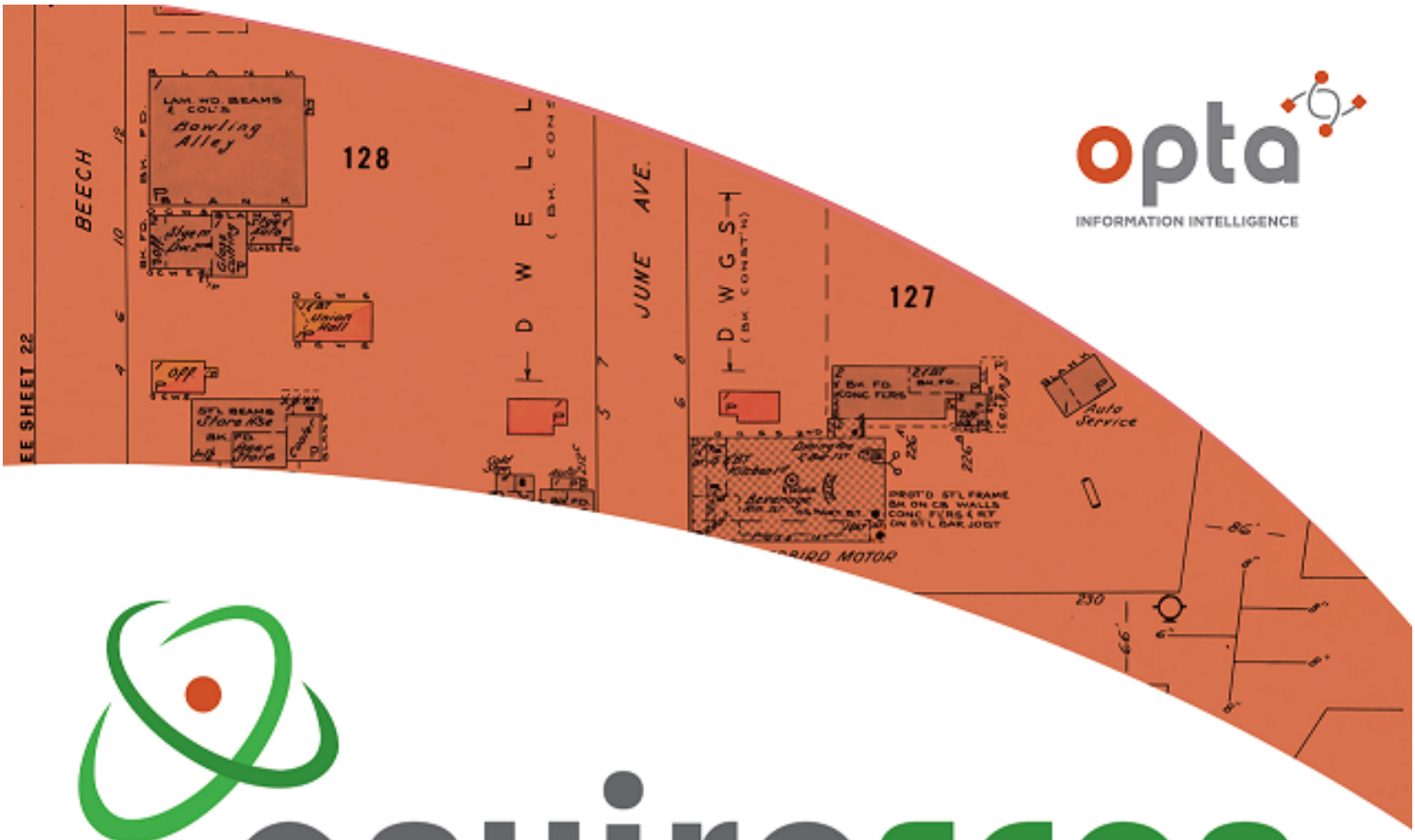
Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX G

PROPERTY UNDERWRITER'S REPORTS AND PLANS



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:

Swati

Site Address:

5080 Ninth LineMilton ON

Project No:

20190328248

Opta Order ID:

59658

Requested by:

Eleanor Goolab
ERIS

Date Completed:

4/2/2019 10:20:25 AM

Project Name: 5080 9th Line Mississauga

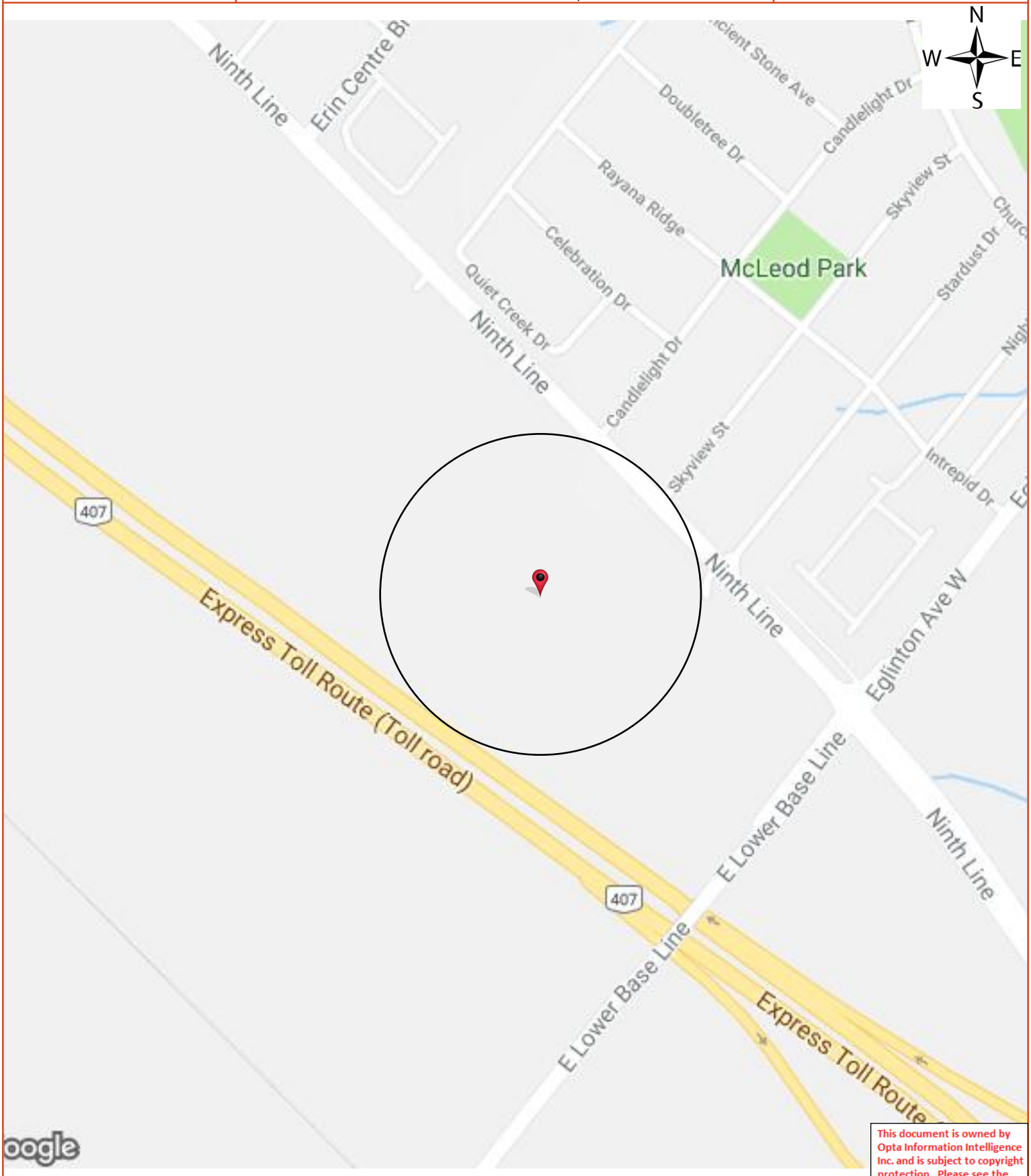
Project #: 20190328248
P.O. #: 8674

ENVIROSCAN Report

Search Area: 5080 Ninth LineMilton ON

Requested by:
Eleanor Goolab
Date Completed: 04/02/2019 10:20:25

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: 5080 9th Line Mississauga

Project #: 20190328248
P.O. #: 8674

ENVIROSCAN Report

No Records Found

Requested by:
Eleanor Goolab
Date Completed: 04/02/2019 10:20:25

enviroscan
OPTA INFORMATION INTELLIGENCE

No Records Found

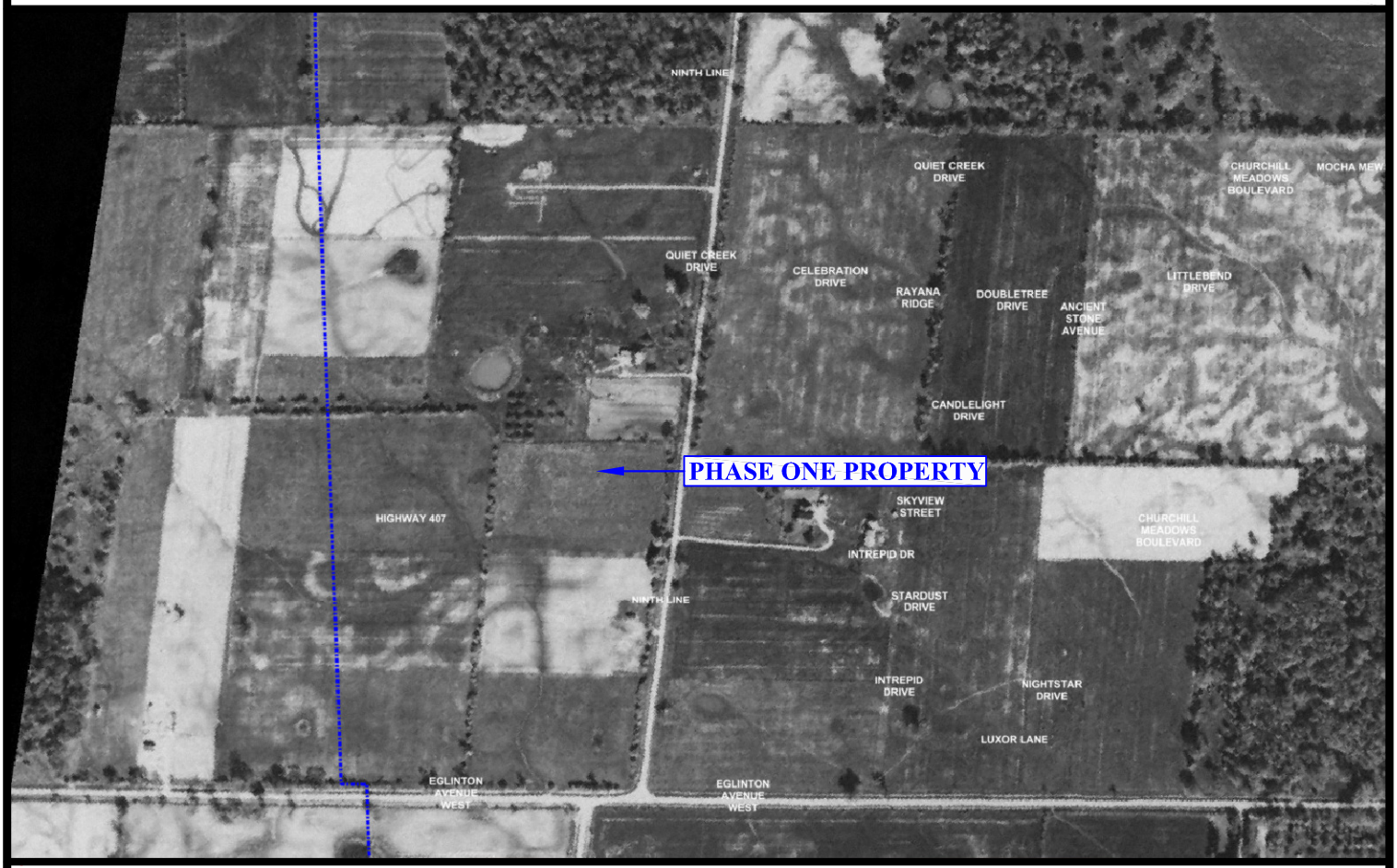
N
W E
S

APPENDIX H

SELECTED AERIAL PHOTOGRAPHS

N

TRUE



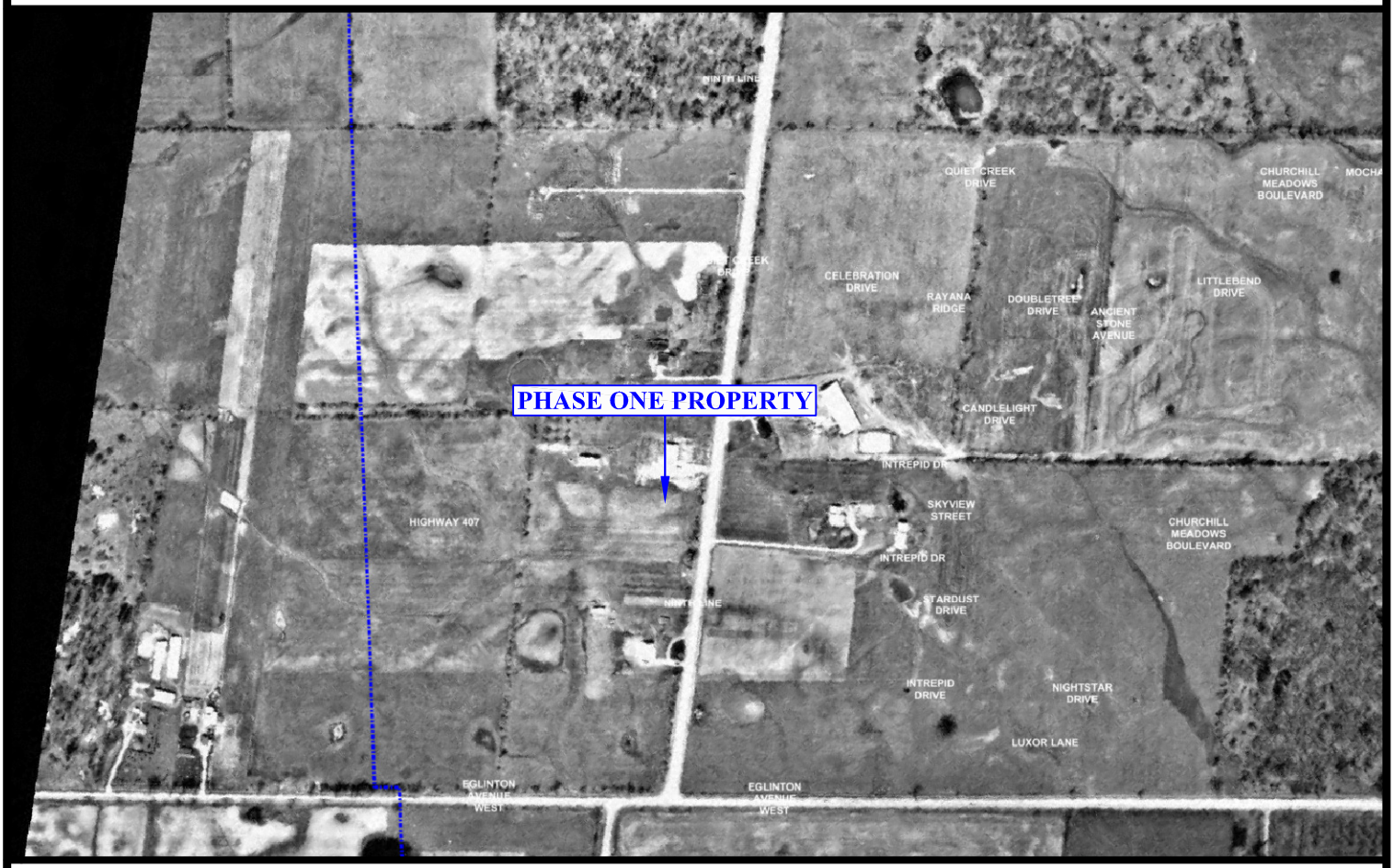
AERIAL PHOTO SHOWING
PHASE ONE PROPERTY - 1954

Project No: 8674

Imagery Date: 1954, Mississauga Maps

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
APR 15, 2019	5080 NINTH LINE MISSISSAUGA, ONTARIO	NOT TO SCALE



AERIAL PHOTO SHOWING
PHASE ONE PROPERTY - 1966

Project No: 8674

Imagery Date: 1966, Mississauga Maps

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
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AERIAL PHOTO SHOWING
PHASE ONE PROPERTY - 1975

Project No: 8674

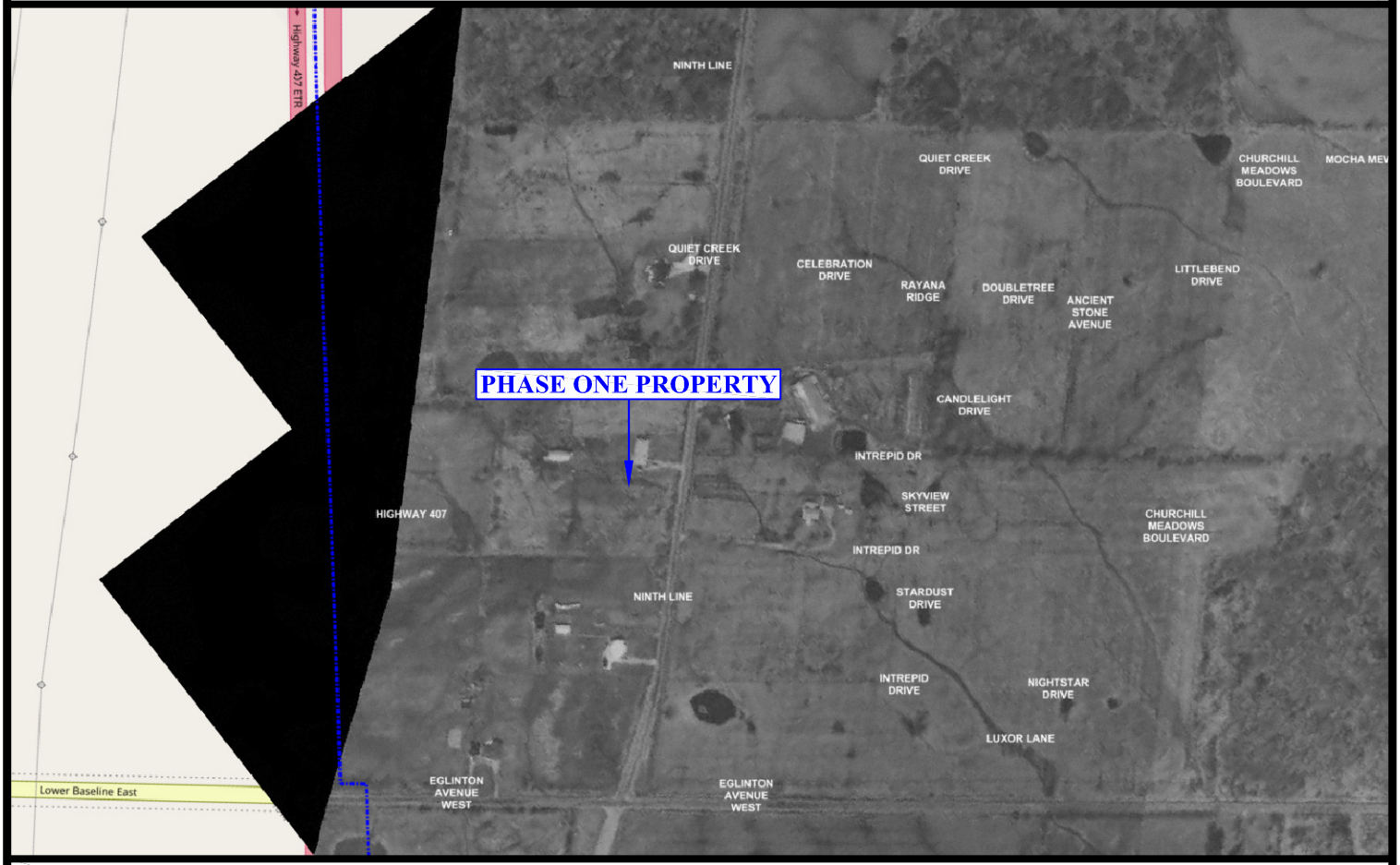
Imagery Date: 1975, Mississauga Maps

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
APR 15, 2019	5080 NINTH LINE MISSISSAUGA, ONTARIO	NOT TO SCALE

N

TRUE



AERIAL PHOTO SHOWING
PHASE ONE PROPERTY - 1985

Project No: 8674

Imagery Date: 1985, Mississauga Maps

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
APR 15, 2019	5080 NINTH LINE MISSISSAUGA, ONTARIO	NOT TO SCALE

AERIAL PHOTO SHOWING PHASE ONE PROPERTY - 1992

Project No: 8674

Imagery Date: 1992, Mississauga Maps

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
APR 15, 2019	5080 NINTH LINE MISSISSAUGA, ONTARIO	NOT TO SCALE

N

TRUE

AERIAL PHOTO SHOWING
PHASE ONE PROPERTY - 2006

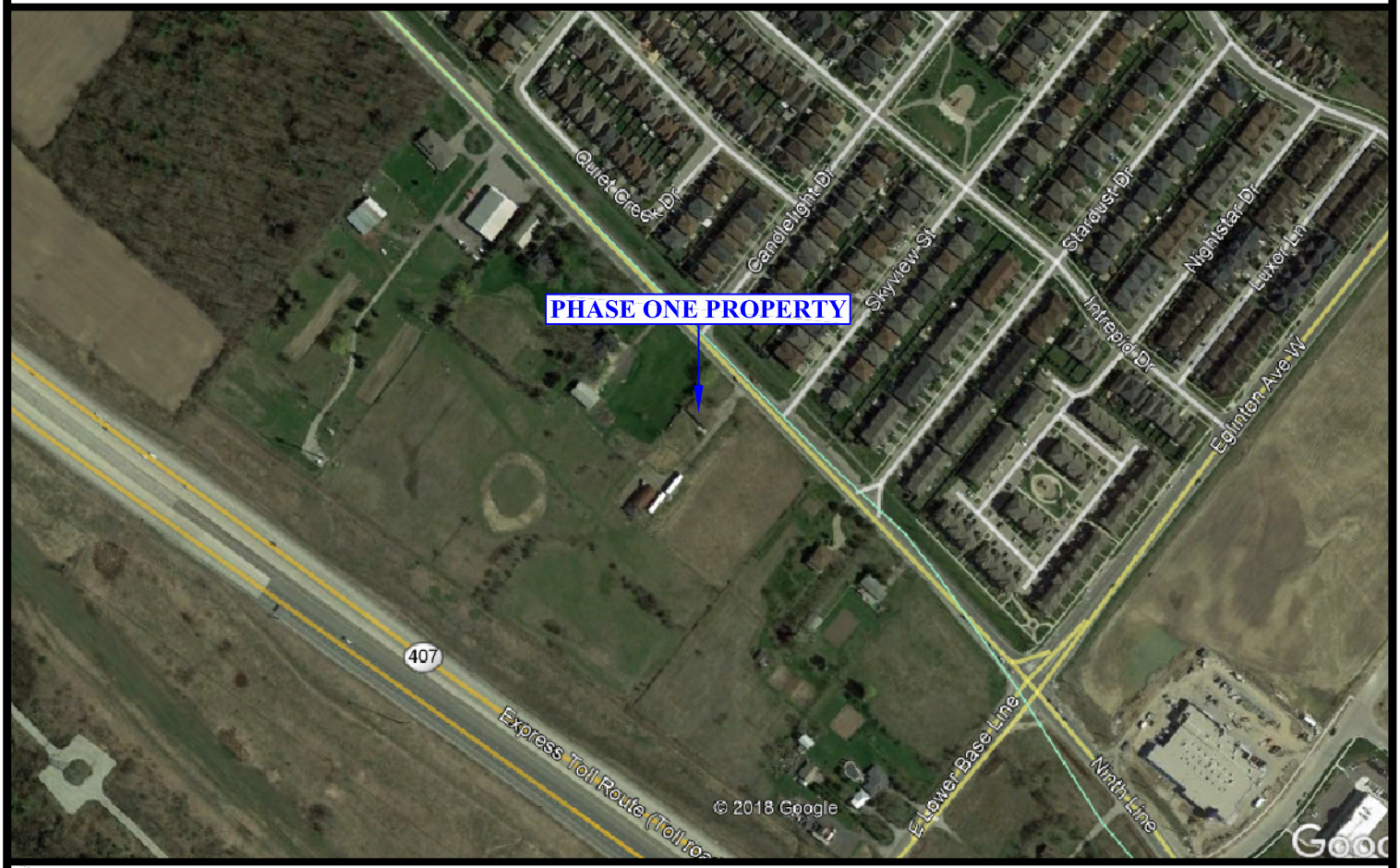
Project No: 8674
Imagery Date: 2006, Google Earth

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
APR 15, 2019	5080 NINTH LINE MISSISSAUGA, ONTARIO	NOT TO SCALE

N

TRUE



AERIAL PHOTO SHOWING
PHASE ONE PROPERTY - 2018

Project No: 8674
Imagery Date: 2018, Google Earth

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
APR 15, 2019	5080 NINTH LINE MISSISSAUGA, ONTARIO	NOT TO SCALE