



Terraprobe

*Consulting Geotechnical & Environmental Engineering
Construction Materials Inspection & Testing*

**PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
200 SOUTH SERVICE ROAD AND 201 RADLEY ROAD
MISSISSAUGA, ONTARIO**

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1.0 EXECUTIVE SUMMARY

Terraprobe Inc. (Terraprobe) was retained by Dream Maker Inc. c/o Glen Schnarr & Associates Inc. to complete a Phase One Environmental Site Assessment (ESA) of the property (herein referred to as "Property") situated at the southeast corner of South Service Road and Crestview Avenue, in Mississauga, Ontario. The Property comprises of two (2) parcels with municipal addresses 200 South Service Road and 201 Radley Road, Mississauga.

The Property is roughly rectangular in shape and covers an area of approximately 0.4 ha (0.99 acres). The Property is currently developed with two (2) detached single-storey residential buildings. The 201 Radley Road building located on the southern portion of the Property has a basement. The remainder of the Property is occupied with landscaped grass area and asphaltic concrete driveways. The surrounding area is predominantly residential in land use. The Property is currently residential in land use per Ontario Regulation 153/04 (O.Reg.153/04).

It is understood that the Property is proposed to be redeveloped for residential use. The Phase One Environmental Site Assessment (ESA) is required to be completed in accordance with Ontario Regulation 153/04, as amended, as per client's request.

The Phase One ESA was completed as per the requirement of Ontario Regulation 153/04. Based on the records reviewed and site inspection, the following Potentially Contaminating Activities (PCAs) were identified within the Phase One Property and Phase One Study Area (Study Area).

On-Site PCAs

- #28 – Gasoline and Associated Products Storage in Fixed Tanks. Presence of fill and vent pipes suggested the potential existence of an underground storage tank located to the west of the building at 200 South Service Road.

The Phase One ESA identified the following Area of Potential Environmental Concern (APEC) on the Property:

APEC	Location of APEC on the Property	Details	Potential Contaminants of Concern (PCoCs)	Media Potentially Impacted
APEC 1	Northwestern portion of the Phase One Property (west of the building at 200 South Service Road)	PCA #28, Result of presence of fill and vent pipes indicating the potential existence of an underground storage tank.	Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene and Xylene (BTEX)	Soil and ground water

Based upon the review and evaluation of information gathered from the Phase One ESA, an Area of Potential Environmental Concern (APEC) has been identified on the Phase One Property arising from the current and historical PCA found at the Property which may have resulted in adverse impact to the environmental condition of the Property. A Phase Two ESA is required to investigate the APEC.



2.0 INTRODUCTION

Terraprobe Inc. (Terraprobe) was retained by Dream Maker Inc. c/o Glen Schnarr & Associates Inc. to complete a Phase One Environmental Site Assessment (ESA) of the property (herein referred to as “Property”) situated at the southeast corner of South Service Road and Crestview Avenue, in Mississauga, Ontario. The Property comprises of two (2) parcels with the following municipal addresses:

- 200 South Service Road
- 201 Radley Road

The general location of the Property is presented in the Phase One Property Location (Figure 1).

2.1 Phase One Property Information

The Property information is provided as below.

Legal Description	Lot 93 Plan 409 except Part 4 Plan 43R-29085 and Lot 74 Plan 409
PIN	<ul style="list-style-type: none">• 13470-0531 (LT)• 13470-0012 (LT)
Municipal Address	<ul style="list-style-type: none">• 200 South Service Road• 201 Radley Road
Zoning	R1-2 – Residential
Property Owner Information	10298786 Canada Inc., and 10299839 Canada Inc.

2.2 Site Description

The Property is located at the southeast corner of South Service Road and Crestview Avenue in Mississauga, Ontario. Access to the Property is via South Service Road and Radley Road.

The Property is roughly rectangular in shape and covers an area of approximately 0.4 ha (0.99 acres). The Property is currently developed with two (2) detached single-storey residential buildings. The 201 Radley Road building located on the southern portion of the Property has a basement. The remainder of the Property is occupied with landscaped grass area and asphaltic concrete driveway. The surrounding area is predominantly residential in land use. The Property is currently residential in land use per Ontario Regulation 153/04 (O. Reg. 153/04). Site features are presented in Figure 2. Site photographs are shown in Appendix A. The proposed development plan is shown in Appendix B.



2.3 Buildings

Two detached single-storey brick structured residential buildings occupied the Property at the time of the site inspection. The residential building located at the southern portion of the Property (201 Radely Rd.) has a basement.

2.4 Purpose of Investigation

It is understood that the Property is proposed to be redeveloped for residential use. The Phase One Environmental Site Assessment (ESA) is required to be completed in accordance with Ontario Regulation 153/04, as amended, as per client's request.

The objective of the Phase One ESA was as follows:

- To assess the environmental condition of the Property.
- To identify potentially contaminating activities within the Study Area.
- Based on the above, to identify issues of obvious or potential environmental concern with respect to the Property.



3.0 SCOPE OF INVESTIGATION

The Phase One ESA involved the following principal tasks:

- A review of records and reports regarding historical and current occupancy and activities for the Property and Study Area.
- Interviews with available individuals having knowledge of current and/or past site activities.
- An inspection of the Property and observation of the Study Area.

The information on the Property and Study Area is summarized in this report. Sampling and analysis of soil, ground water, or other materials (e.g., construction materials, air) were not carried out as part of the investigation.

3.1 Records Review

The records review provides information on historical and current activities. The objectives of the records review were as follows:

- To obtain and review records that relate to the current and past uses, site features and activities at the Property.
- To obtain and review records that relate to potentially contaminating activities, water bodies, and areas of natural significance in the Study Area (in addition to the Property).
- Based on the above, to provide an assessment of actual and potential contaminating activities and concerns with respect to the environmental condition of the Property.

The following sources of information were reviewed:

- Archival information for the site including aerial photographs, topographic maps, historical maps and drawings.
- Site-specific environmental reports and/or company records (e.g., Certificates of Approval, waste generator registration, approvals, and permits) provided to Terraprobe.
- Geological and hydrogeological information in published government maps and/or reports.
- Databases maintained by EcoLog ERIS containing environmentally related information from private, provincial, and federal sources.
- Fire insurance plans and insurance inspection reports (and related plans) on file with EcoLog ERIS.
- Published Ontario Ministry of the Environment and Climate Change (MOECC) directories related to registered PCB storage sites and active and closed landfill sites.
- The Ontario Ministry of Natural Resources and Forestry (MNRF) Natural Heritage Information Centre database for information specific to natural areas, such as locations of environmentally sensitive areas.
- Published information regarding an Official Plan for the area.



- Sensitivity mapping by the local Conservation Authority.

3.2 Interviews

The objectives of the interview were:

- To obtain information to assist in determining if an area of potential environmental concern exists.
- To identify details of potentially contaminating activities or potential contaminant pathways in, on or under the Property.

Key personnel were interviewed and asked questions related to specific site activities, such as:

- The nature of the operations.
- Handling and storage of environmentally sensitive products and related wastes.
- Environmental approvals and registrations.
- Knowledge of previous reports related to the environmental condition of the Property.
- Issues related to non-compliance, orders, or charges related to environmental conditions on the Property.

3.3 Site Reconnaissance

The objectives of the site reconnaissance were:

- To identify potential environmental concerns based on observations of current and past uses, and potentially contaminating activities at the Property and in the Study Area.
- To identify potential pathways for contamination at the Property and Study Area.

The site reconnaissance included a review of issues of potential environmental concern, including the following:

- Activities and practices including site operations, processes and waste management currently carried out on the Property.
- Evidence of past waste disposal, landfill or fill placement on the Property.
- The presence of hazardous or toxic chemicals, materials or processes.
- The presence of existing or former aboveground or underground fuel storage tanks.
- Identification of heating and cooling systems.
- The presence of floor cracks, hydraulic hoists, elevators, sumps and drains, wells, pits and lagoons.
- Identification of water supply source to the Property.



- The presence of various designated substances and building materials, including friable and non-friable asbestos, PCB-containing materials and electrical equipment, lead-based paint, mould, and chlorofluorocarbons (CFCs) in air-conditioning and refrigeration equipment.
- Evidence of stained or odorous soils and stressed vegetation.

In addition, an inspection of adjacent properties within the Study Area (identified in Section 4.1.1) was completed to assess the potential for operations being carried out on those properties to impact on the environmental condition of the Property. The inspection of adjacent properties was limited to inspection from the Property boundaries and public areas (roads, sidewalks, etc.).

3.4 Documentation and Evaluation of Information

The information obtained from the records review, interviews and site reconnaissance was described, documented and evaluated as summarized below:

- Documentation of information, as noted in subsequent sections of the report.
- Description of potentially contaminating activities.
- Description of areas of potential environmental concern.
- Development of a Phase One Conceptual Site Model.
- Discussion of the need, if any, for further investigation.



4.0 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

The Phase One Study Area (Study Area) consisted of properties located within a 250 m radius of the Property. Residential and commercial properties were located to the north and west, residential properties to the south, and residential properties followed by Cooksville Creek to the east of the Property. The Cooksville Creek is located approximately 175 m to the northeast of the Property. The Phase One Study Area is shown on Figure 3.

Based on the historical property use and development on the Property and surrounding area, it was determined that a 250 m study area around the Property was sufficient to identify issues of potential environmental concern that could potentially impact on the environmental condition of the Property.

4.1.2 First Developed Use Determination

The determination of first developed use was based on a review of historical documentation regarding the Phase One Property. A review of historical records indicated that the Phase One Property was owned by private individuals at least since 1879. Subsequently the Property was owned by various individuals until the current owner, 10298786 Canada Inc., and 10299839 Canada Inc., obtained the Property in 2017. Historical aerial photograph suggested that the southern portion of the Property (201 Radely Rd.) was developed with a residential building in 1954. The northern portion of the Property (200 South Service Rd.) was observed to be occupied with a residential building sometime between 1954 and 1966. Fire Insurance Plans indicated that the Property was vacant and undeveloped in 1937. It is estimated that first developed use of the Phase One Property occurred between 1937 and 1954 as a residential property.

4.1.3 Fire Insurance Plans and Insurance Inspection Reports

Fire Insurance Plans (FIPs) were searched through EcoLog ERIS for the Property. The 1937 FIP was available for review and the summary of the findings is as below.

- The Property is vacant and undeveloped.
- Surrounding properties were developed with primarily residential dwellings.
- Fire hydrants were observed throughout the surrounding areas.
- No potentially contaminating activities were identified.

A copy of the fire insurance plan can be found in Appendix F.



4.1.4 Chain of Title

A chain of title was prepared for Terraprobe by Domson's Title Search Inc., a freelance title search consultant. Site ownership records dating back to 1879 were reviewed.

The Property was owned by private individuals at least since 1879. The Property was owned by various individuals until 1953, when the 200 South Service Road Property was purchased by Gilken Construction Co. Limited. Subsequently the Property was owned by various individuals until the current owner, 10298786 Canada Inc. and 10299839 Canada Inc., obtained the Property in 2017. The results of the title search are presented in Appendix C.

4.1.5 City Directory Search

Available city directories were reviewed for the Property and adjacent properties. The Property was occupied with residential occupants. The full search results can be found in Appendix D.

The potentially contaminating activities identified within the Study Area in city directories search are summarized below.

Location of PCA	PCA	Details
155 North Service Rd. 95 m west	#28 – Gasoline and Associated Products Storage in Fixed Tanks	This property was occupied with a gas service station with an auto service shop from 1965 to 2001.

4.1.6 Environmental Reports

No previous environmental reports for the Property were available for review for background information.

4.2 Environmental Source Information

4.2.1 EcoLog ERIS

EcoLog Environmental Risk Information Services Ltd. (ERIS) is an organization that maintains and searches various government and private databases for property-related environmental information. A search of the EcoLog ERIS Ltd. databases was requested for the Property and Study Area. No records of environmental concern were found for the Phase One Property. The ERIS Report is provided in Appendix E.

The potentially contaminating activities identified within the Study Area in ERIS search are summarized below:



Location of PCA	PCA	Details
240 South Service Rd. 110 m northeast	#28 – Gasoline and Associated Products Storage in Fixed Tanks	The site is registered with single wall underground fuel oil storage tank (UST).

4.2.2 Other Source Information

Other environmental source information was searched as part of the Phase One ESA. The information that was searched included:

- Freedom of Information (FOI) request to the Ontario Ministry of the Environment and Climate Change (MOECC). The FOI request determines if information regarding orders, investigations or other information on file with respect to the Property.
- Technical Standards and Safety Authority (TSSA) was contacted in regards to records related to storage tanks for petroleum related products with respect to the Property
- The local Conservation Authority was contacted to determine if the Property was considered regulated under the Conservation Authorities Act and Ontario Regulations 42/06, 146/06 to 182/06 and 97/04.
- Municipal Zoning and Official Plan information was reviewed

The information requests and responses are provided in Appendix F and are summarized below:

Information Request	Response
MOECC FOI	A response from the MOECC has not been received for the municipal addresses of 200 South Service Road and 201 Radley Road, Mississauga, Ontario at the time of report. Upon receipt of the response, an addendum will be forwarded to Dream Makers Inc.
MOECC PCB Storage Sites and Landfill Sites	Directories published by the MOECC related to waste disposal sites [Ref. 10] and PCB storage sites [Ref. 9], and the Brownfields Environmental Site Registry was reviewed. The Waste Disposal Site Inventory showed no records of active or closed disposal site within 250 m of the Property. No records of PCB storage sites were present on the Property and within the Study Area.
TSSA	The response from Sherees Thompson at TSSA indicates that they have no record of any fuel storage tanks at the Property; however, an active gasoline service station with four (4) active underground fuel storage tanks were recorded at 155 North Service Road located approximately 95 m to the west of the Property.
Conservation Authority	The Credit Valley Conservation (CVC) planning department was contacted on December 4, 2017. The response from Maricris Marinas of CVC indicated that the Property is not regulated by CVC. The Property is located outside of the spill area as long as the existing grade of 99.0 m is maintained along the entire Property. It was suggested to contact CVC in approximately 6 months' time as better information will become available.
Zoning	The City of Mississauga zoning by-law 0255-2007 and Office Plan was reviewed. The Property is zoned "R1-2 – Residential", which does not permit multiple detached dwellings residential development.



The potentially contaminating activities identified within other source information search are summarized below:

Location of PCA	PCA	Details
155 North Service Rd. (approximately 95 m west of the Property)	#28 – Gasoline and Associated Products Storage in Fixed Tanks	According to TSSA an active gasoline service station with four (4) active underground fuel storage tanks were recorded on site.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Aerial photographs, satellite imagery and historic maps were reviewed. The state of development of the Property and Study Area is summarized in below. A selection of aerial photographs and historic maps are presented in Appendix G.

Date	Subject Property	Surrounding Area
1954	The northern parcel (200 South Service Rd.) appeared to be vacant with signs of earth work. A building was observed on the southern parcel (201 Radley Rd.) which resembles the current building configuration.	The surrounding properties appeared to be either agricultural in land use or developed with residential dwellings. The QEW was observed adjacent to the north of the Property.
1966	The northern parcel (200 South Service Rd.) was occupied by a residential dwellings. No other significant changes.	A larger complex was observed adjacent to the west of the Property. The surrounding area is developed with residential buildings.
1978	No significant changes.	Several commercial/industrial complexes were developed farther to the north and west of the Property.
2002	No significant changes.	No significant changes.
2015	No significant changes.	No significant changes.

No potentially contaminating activities were identified in the aerial photographs.

4.3.2 Topography Hydrology, Geology

A topographic map from the Ontario Ministry of Natural Resources and Forestry (MNRF) and the geological mapping produced by the Ontario Ministry of Northern Development and Mines - *Ontario Geological Survey* was reviewed. The information gleaned from the mapping is summarized below. The maps are provided in Appendix H.

Topography	The approximate elevation of the Property is 99 masl and slopes to the southeast towards Lake Ontario.
Hydrogeology	The nearest water body is Cooksville Creek which is located approximately 175 m to the northeast of the Property. Ground water and surface water is expected to flow to the south/southeast towards Lake Ontario.
Geology (overburden)	The overburden on the Property is mainly comprised of coarse-textured glaciolacustrine deposits consisted of sand, gravel, minor silt and clay of foreshore and basinal deposits (9c).



Geology (bedrock)	The bedrock on the Property is of the Georgian Bay Formation, which is comprised of shale and limestone (55b).
Geology (depth to bedrock)	Based on the published well records, bedrock in the vicinity is located approximately 3.4 m below ground surface.

4.3.3 Fill Materials

The Property is noted to be at grade with surrounding lands. It is unlikely that significant amount of fill was placed on the Property.

4.3.4 Water Bodies and Areas of Natural Significance

Mapping from the Ontario Ministry of Natural Resources and Forestry (MNR) was reviewed to determine if water bodies were present on the Property and within the Study Area. The Ontario Ministry of Natural Resources National Heritage Information Centre database for listings of Areas of Natural or Scientific Interest (ANSIs) was reviewed. The information is summarized below.

Water Bodies (Study Area)	<ul style="list-style-type: none"> Cooksville Creek – located approximately 175 m to the northeast of the Property.
Wetland (Property)	<p><u>Provincially Significant</u></p> <ul style="list-style-type: none"> No Provincially Significant wetlands are present on the Property. <p><u>Non- Provincially Significant</u></p> <ul style="list-style-type: none"> No Non- Provincially Significant wetlands are present on the Property. <p><u>Unevaluated</u></p> <ul style="list-style-type: none"> No Unevaluated wetlands are present on the Property.
Wetland (Study Area)	<p><u>Provincially Significant</u></p> <ul style="list-style-type: none"> No Provincially Significant wetlands are present in the Study Area. <p><u>Non- Provincially Significant</u></p> <ul style="list-style-type: none"> No Non- Provincially Significant wetlands are present in the Study Area. <p><u>Unevaluated</u></p> <ul style="list-style-type: none"> No Unevaluated wetlands are present in the Study Area.
ANSIs (Property)	<p><u>Provincially Significant Life Science ANSI</u></p> <ul style="list-style-type: none"> No Life Science ANSIs were identified on the Property. <p><u>Provincially Significant Earth Science ANSI</u></p> <ul style="list-style-type: none"> No Earth Science ANSIs were identified on the Property.



ANSIs (Study Area)	<u>Provincially Significant Life Science ANSI</u> <ul style="list-style-type: none">No Life Science ANSIs were identified in the Study Area. <u>Provincially Significant Earth Science ANSI</u> <ul style="list-style-type: none">No Earth Science ANSIs were identified in the Study Area.
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4.3.5 Well Records

The Ontario Ministry of the Environment and Climate Change well records database was searched through EcoLog ERIS and through the Ministry of the Environment online Water Well Database for records located on the Property and in the Study Area (within 250 m). A copy of the Well Records is provided in Appendix I and are summarized below.

Water Wells (Property)	<ul style="list-style-type: none">No drinking water well was located on the Property
Water Wells (Study Area)	<ul style="list-style-type: none">Five (5) monitoring well or unused wells were located within the Study Area
Stratigraphy	<ul style="list-style-type: none">0 to 0.6 m – Fill, brown clay, loose0.6 to 3.4 m – Brown clay, silt, packed3.4 to 4.6 m – Grey shale, packed
Depth to Water Table	<ul style="list-style-type: none">NA
Depth to Bedrock	<ul style="list-style-type: none">Inferred bedrock encountered at 3.4 m

4.4 Site Operating Records

No site operating records were provided for review.



5.0 INTERVIEWS

One individual was interviewed regarding the Property. The details of the interview are provided below.

Interviewed	Mr. Kingsley Ogu
Date	December 1, 2017
Location of Interview	Phase One Property
Method of Interview	In person and Email
Reason for Selection	Mr. Ogu has been involved with the Property for 5 months as part of the proposed development activities.
Assessment of the Information	The information provided by Mr. Ogu seems accurate.
Relevant Information	<p>Mr. Ogu provided the following information:</p> <ul style="list-style-type: none">• The Property is currently occupied by two single family homes, one of which is unoccupied.• The Property was never used industrial operations, on-site dry cleaning, fuel distribution or storage, or vehicle servicing and/or maintenance.• The Property site operations do not involve the storage and/or use of environmentally sensitive or hazardous products, such as paints, chemicals, fuels, oils and lubricants.

No other individuals with knowledge of the Property were available for an interview. No potentially contaminating activities were identified based on the information provided in the interview.



6.0 SITE RECONNAISSANCE

6.1 General Requirements

Date of Investigation	December 1 and 8, 2017
Time of Investigation	2 pm
Weather Conditions	Sunny, -2°C
Duration of Investigation	1.5 hour
Was the Facility Operating?	Yes, a residential dwelling and farm land
Person(s) Conducting Investigation and Qualifications	Jessie Wu, M. Env. Sc. under the supervision of Shama Qureshi, P.Eng., QP _{ESA}

6.2 Specific Observations at Phase One Property

The site reconnaissance included a walking tour of the Property, as well as compiling written and photographic records. Site features are illustrated on Figure 2, and photographs are presented in Appendix A.

6.2.1 Building Description

The Property is currently developed with two (2) detached single-storey residential buildings. The 201 Radley Road building located on the southern portion of the Property has a basement. The remainder of the Property is occupied with landscaped grass area and asphaltic concrete driveways. The residential buildings were built between 1937 and 1954 (201 Radley Rd.) and between 1954 and 1966 (200 South Service Rd.).

6.2.2 Designated Substances and Other Special Attention Items

The inspection was carried out in accessible areas and included an assessment of the potential presence of the following materials:

- Designated substances (i.e., acrylonitrile, asbestos, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, lead, mercury, silica, vinyl chloride).
- Polychlorinated biphenyls (PCBs).
- Ozone depleting substances.
- Urea-formaldehyde foam insulation (UFFI).
- Special attention items (i.e., mould radioactive materials).



The presence of these materials based on the site reconnaissance is summarized below.

Asbestos	No evidence of asbestos material was observed; however, based on the age of the buildings, it is likely that asbestos containing material may be present in the buildings.
Lead	No suspected lead-based paint or plumbing components were observed during the inspection of visually accessible areas; however, based on the age of the buildings, it is likely that the lead containing materials may be present.
Mercury	No materials containing mercury were observed during the site inspection.
PCBs	No PCB contacting material was observed during the site inspection.
Ozone Depleting Substances (ODS)	No ozone depleting substances were observed during the site inspection.
UFFI	No UFFI products were observed during the site inspection.
Mould	No mould or areas of excessive dampness were observed during the site inspection.
Radioactive Materials	No manmade sources of radiation were observed during the site inspection.
Herbicides and Pesticides	During the site inspection, no materials containing herbicides or pesticides were observed to be stored at the site. Herbicides or pesticides may have been applied to the agricultural land. Minor application of these materials is unlikely to have significantly affected the environmental condition of the Property.

6.2.3 Below Ground Structures

The residential building on the southern portion of the Property (201 Radley Road) has a basement. The basement at the building is refurbished and contains a room for a water boiler, gas-fired furnace and an electrical room. The building structures consisted of concrete poured slabs and concrete blocks foundation walls.

6.2.4 Aboveground Storage Tanks

No above ground storage tanks or evidence of historical above ground storage tanks was observed during the site inspection.

6.2.5 Underground Storage Tanks

A fill pipe and a vent pipe were observed on the western exterior wall of the residential building at 200 South Service Road. The pipes may be connected to an underground storage tank suspected to be located



to the west of the building. No other underground storage tanks or evidence of historical underground storage tanks was observed during the site inspection.

6.2.6 Exterior Site Conditions

The Property is roughly rectangular in shape and covers an area of approximately 0.4 ha (0.99 acres). The Property is currently developed with two (2) detached single-storey residential buildings. The 201 Radley Road building located on the southern portion of the Property has a basement. The remainder of the Property is occupied with landscaped grass area and asphaltic concrete driveways. Additional details of the Property are provided below.

Water Sources	The water supply at the Property is currently serviced with municipal water, and enters into the Property from South Service Road and Radley Road.
Current and Former Wells	No wells were observed on the Property. The well records (Section 4.3.5) indicated five (5) monitoring wells were located within the Study Area.
Sewage Works	Storm runoff is directed to the catch basins located along the western Property boundary and south to the landscaped area. The residential buildings were serviced with municipal sanitary sewer systems.
Railways	No existing rail lines were located on the Property or within the Study Area.
Stained and Odorous Soils	No stained or odorous soils were observed during the site inspection.
Stressed Vegetation	No areas of stressed vegetation were noted during the site inspection.
Underground Utilities and Services	The inspection of the Property indicated the following information related to utility services: <ul style="list-style-type: none">• The buildings are serviced with municipal supplied water. The utilities enter the basement of the building at 201 Radley Road and enter the ground floor of the building at 200 South Service Road.• The buildings are serviced with electric and gas-fired heating furnace at 200 South Service Road and 201 Radley Road respectively.• Overhead hydro line was observed to along the northern and western Property boundary. The utility enter from Crestview Avenue.• An underground storage tank is suspected to be located to the west of the 200 South Service Road residential building.
Fill Materials	No fill material was observed during the site inspection.
Watercourses, Ditches or Standing Water	A drainage ditch/swale was observed along the western Property boundary leading to the catch basins.

6.2.7 Enhanced Investigation Property

The current and historical activities on the Property do not qualify the site as an Enhanced Investigation Property.



6.3 Investigation of Phase One Study Area

At the time of the site inspection, the following land uses were noted on the properties immediately adjacent to the Property.

Direction	Land Uses
North	South Service Road, QEW
East	Residential
South	Radley Road, residential
West	Crestview Avenue, vacant commercial plaza

The site inspection included a walking tour of the entire Property, as well as compiling written and photographic records. The inspection of the Property and Study Area was conducted by Ms. Jessie Hui-Chung Wu, M. Env. Sc. on December 1 and 8, 2017.

The Property is located at the southeast corner of South Service Road and Crestview Avenue in Mississauga, Ontario. Access to the Property is via South Service Road, Crestview Avenue, and Radley Road.

The Property is roughly rectangular in shape and covers an area of approximately 0.4 ha (0.99 acres). The Property is currently developed with two (2) detached single-storey residential buildings. The 201 Radley Road building located on the southern portion of the Property has a basement. The remainder of the Property is occupied with landscaped grass area and asphaltic concrete driveways. The surrounding area is predominantly residential in land use.

6.3.1 Potentially Contaminating Activity

The potentially contaminating activities identified from the site reconnaissance are summarized below.

Location of PCA	PCA	Details
Northwestern portion of the Phase One Property	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Presence of fill pipe and vent pipe suggested the potential existence of an underground storage tank located to the west of the building at 200 South Service Road.



7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

Current and past uses of the Property were determined from historical aerial photographs, fire insurance plans, chain of title documents and city directories. The full list of current and past uses of the Property is provided in Appendix J, in a form approved by the Ontario Ministry of the Environment and Climate Change under O. Reg. 153/04.

7.2 Potentially Contaminating Activities

The Phase One Environmental Site Assessment identified the following Potentially Contaminating Activities (PCAs) within the Phase One Property and the Study Area. The detailed locations of the PCAs are illustrated in Figure 4.

Location of PCA	PCA	Potential APEC (yes/no)	Justification
Northwestern portion of the Phase One Property	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Yes	Potential presence of an underground storage tank located to the west of the residential building located at 200 South Service Road.
155 North Service Rd. 95 m west	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Trans-gradient PCA separated by a major highway (QEW). Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP's assessment is that this PCA will not cause an APEC on the Property.
240 South Service Rd. 110 m northeast	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Trans-gradient PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property due to the distance from the Phase One Property. The QP's assessment is that this PCA will not cause an APEC on the Property.

7.3 Areas of Potential Environmental Concern

The Potentially Contaminating Activities identified in Section 7.2 were evaluated for their potential to create an Area of Potential Environmental Concern on the Phase One Property through consideration of:

- The type of PCA



- The potential magnitude of the PCA (e.g. small-scale waste generation versus significant commercial activity)
- The Potential Contaminants of Concern (PCoC) associated with the PCA
- The nature of those PCoCs in terms of their mobility in soil, ground water, and sediment as applicable
- The anticipated direction of ground water flow
- The anticipated hydraulic conductivity of saturated media
- The distance between the PCA and the Property

The analysis and rationale used to determine that a particular PCA does not create an APEC is provided in Section 7.2. The APECs identified are presented in a form approved by the Director in Appendix K.

The physical area of each APEC is illustrated on Figure 5. Please note that the area illustrated does not necessarily represent the complete potential area of impact, but represents the most likely potential area of impact, and thus represents the area that would first require intrusive investigation in a Phase Two ESA should a Phase Two ESA be conducted.

7.4 Phase One Conceptual Site Model

The Phase One Conceptual Site Model (CSM) is presented in Appendix L which illustrated and includes Figure 1 through Figure 5.

7.5 Uncertainty or Absence of Information

The following uncertainties or absence of information may have impact the Phase One Conceptual Site Model:

Component	Uncertainty of Absence of Information	Effect on Phase One CSM
Fire Insurance Plans	A Fire Insurance Plan of 1937, which include the Phase One Property, was available for review. As such, there exists no known void or absence of information for this component.	No effect upon the Phase One CSM
Chain of Title	Chain of Title dating back to 1879 ownership was obtained as part of the investigation. As such, there exists no known void or absence of information for this component.	No effect upon the Phase One CSM
Environmental Reports	No previous report was available to Terraprobe Inc. to review as part of the investigation; however, sufficient information was provided via other record search. As such, there exists no known void or absence of information for this component.	No effect upon the Phase One CSM



Component	Uncertainty of Absence of Information	Effect on Phase One CSM
Environmental Source Information	Environmental Source Information was searched through a combination of Environmental Risk Information Services (ERIS) and Freedom of Information requests (FOI). As such, there exists no known void or absence of information for this component.	No effect upon the Phase One CSM
Aerial Photographs	Aerial Photographs were obtained from combination federal, provincial, municipal and private sources. The series of air photos selected represent the development of the Phase One Property and Phase One Study Area. As such, there exists no known void or absence of information for this component.	No effect upon the Phase One CSM
Topography, Hydrogeology and Geology	The Topography, Hydrogeology and Geology were evaluated through available resources from the Ministry of Natural Resources and Forestry as well as Water Well Records. As such, there exists no known void or absence of information for this component	No effect upon the Phase One CSM
Water Bodies and Areas and Natural Significance	Water Bodies and Areas and Natural Significance were evaluated through available resources from the Ministry of Natural Resources and Forestry, local conservation authorities and the Ministry of the Environment. As such, there exists no known void or absence of information for this component	No effect upon the Phase One CSM
Well Records	Well Records through the summary provided by Environmental Risk Information Services (ERIS) as well as the Ministry of the Environment Water Well Information System (WWIS). As such, there exists no known void or absence of information for this component	No effect upon the Phase One CSM
Site Reconnaissance	Unrestricted access to the Phase One Property was provided during the Site Reconnaissance. As such, there exists no known void or absence of information for this component	No effect upon the Phase One CSM
Interviews	Interviews with persons knowledgeable regarding the current and historic environmental condition of the Phase One Property were conducted. As such, there exists no known void or absence of information for this component	No effect upon the Phase One CSM

Based upon the information obtained, as noted above, it is the belief of the QP_{ESA} that there is no known significant uncertainty or absence of information and that the Phase One Conceptual Site Model is valid.



8.0 CONCLUSIONS

8.1 Phase Two ESA Required Before Record of Site Condition

The Phase One ESA identified the Potentially Contaminating Activities (PCAs) and is summarized as follow:

On-Site PCAs

- Site investigation (see Section 6.3.1): the presence of fill and vent pipes suggested the potential existence of an underground storage tank located to the west of the building at 200 South Service Road.

Based upon the review and evaluation of information gathered from the Phase One ESA, an Area of Potential Environmental Concern (APEC) has been identified on the Phase One Property arising from the current and historical PCA found at the Property which may have resulted in adverse impact to the environmental condition of the Property. A Phase Two ESA is required to investigate the APEC.

8.2 Record of Site Condition Based on Phase One ESA Alone

Based upon the review and evaluation of the information gathered from the Phase One ESA, a Record of Site Condition cannot be filed based upon a Phase One ESA alone.

8.3 Signatures

The Phase One Environmental Site Assessment has been completed under the direction and supervision of Shama M. Qureshi, P. Eng., P.Geo., QP_{ESA}. The findings and conclusions presented in this report have been determined on the basis of the information that was obtained and reviewed, and on an assessment of the existing conditions on the Phase One Property and properties within the Phase One Study Area.



We trust this report meets with your requirements. Should you have any questions regarding the information presented, please do not hesitate to contact our office.

Yours truly,

Terraprobe Inc.



Jessie Hui Chung Wu, M. Env. Sc.
Project Manager



Muhammad I. Shahid, P.Geo., QP_{ESA}
Senior Project Manager



Shama M. Qureshi, P. Eng., P.Geo., QP_{ESA}
Principal



9.0 REFERENCES

1. Armstrong, D.K. and Dodge, J.E.P. *Paleozoic Geology Map of Southern Ontario*. Ontario Geological Survey, Miscellaneous Release--Data 219.
2. Chapman, L.J. and Putnam, D.F. 2007. *The Physiography of Southern Ontario*. Ontario Geological Survey, Miscellaneous Release--Data 228.
3. City of Mississauga – Interactive Online Maps <https://www.mississauga.ca/portal/services/maps>
Assessed: December 14, 2017.
4. Gao, C., Shiota, J., Kelly, R. I., Brunton, F.R., van Haaften, S. 2006. Bedrock topography and overburden thickness mapping, southern Ontario; Ontario Geological Survey, Miscellaneous Release--Data 207.
5. Google Earth Pro V 7.3.0.3832. (October 18, 2004). 200 South Service Road, Mississauga, Ontario 17T613490.32m E 4825311.57 m N, Eye alt 698 m. Digital Globe 2017. [December 8].
6. Google Earth Pro V 7.3.0.3832. (May 27, 2015). 200 South Service Road, Mississauga, Ontario 17T613484.38m E 4825317.84 m N, Eye alt 641 m. Digital Globe 2017. [December 8].
7. Ontario Geological Survey 2010. *Surficial Geology of Southern Ontario*. Ontario Geological Survey, Miscellaneous Release--Data 128-REV. ISBN 978-1-4435-2483-7
8. Ontario Geological Survey 2006. *Bedrock Topography and Overburden Thickness Mapping, Southern Ontario*. Ontario Geological Survey, Miscellaneous Release—Data 207.
9. Ontario Ministry of the Environment, January 1993. *Ontario Inventory of PCB Storage Sites*. ISBN 0-7778-0836-6.
10. Ontario Ministry of the Environment, June 1991. *Waste Disposal Site Inventory*. ISBN 0-7729-8409-3.



10.0 LIMITATIONS AND USE OF THE REPORT

This report was prepared for the exclusive use of 10299839 Canada Inc. and is intended to provide an assessment of the environmental condition on the property identified 200 South Service Road and 201 Radley Road, Mississauga, Ontario.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Terraprobe Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report, including consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The assessment should not be considered a comprehensive audit that eliminates all risks of encountering environmental problems. The information presented in this report is based on information collected during the completion of the Phase One Environmental Site Assessment by Terraprobe Inc. It is based on the conditions on the Phase One property at the time of the site inspection supplemented by a review of historical information to assess the environmental conditions on the Phase One, as reported herein.

Sampling and analysis of soil, ground water or any other material was not carried out as part of this assessment. Consequently, the presence and/or extent of any adverse environmental impact cannot be verified. The potential for environmental liability and/or environmental impact is an opinion that has been arrived at within the scope of this assessment.

In assessing the environmental conditions/history of the Phase One, Terraprobe Inc. has relied in good faith on information provided by others, as noted in this report, and has assumed that the information provided by those individuals is factual and accurate. Terraprobe Inc. accepts no responsibility for any deficiency, misstatement or inaccuracy in this report resulting from the information provided by those individuals.

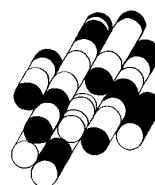
There is no warranty expressed or implied by this report regarding the environmental status of the Phase One. Professional judgement was exercised in gathering and analysing information collected by our staff, as well as that submitted by others. The conclusions presented are the product of professional care and competence, and cannot be construed as an absolute guarantee.

In the event that during future work new information regarding the environmental condition of the Phase One is encountered, or in the event that the outstanding responses from the regulatory agencies indicate outstanding issues on file with respect to the Phase One, Terraprobe Inc. should be notified in order that we may re-evaluate the findings of this assessment and provide amendments, as required.




FIGURES

TERRAPROBE INC.




T:\1-Project Files\2017\1-17-0877 - 200 South Service Road & 201 Radley Road, Mississauga\1- Phase One ESA\A. Dwgs. Logs\AutoCAD\1-17-0877-41 Phase One ESA.dwg, JB






Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650



Reference:
Google Maps 2017

Notes:

Legend:



Phase One Property Boundary

Project Title:
Phase One Environmental Site Assessment

Site Location:
200 South Service Rd & 201 Radley Rd,
Mississauga, Ontario

Figure Title:
PHASE ONE PROPERTY LOCATION

Designed By:
JW

Drawn By:
JB

Reviewed By:
SQ

Date:
December 2017

File No.:
1-17-0877-41

Scale:
As Shown

Figure No.:
1

T:\1-Project Files\2017\1-17-0877 - 200 South Service Road & 201 Radley Road, Mississauga\1- Phase One ESA.dwg, 1-17-0877-41 Phase One ESA.dwg, JB

South Service Road



Reference:
Google Maps 2017

Notes:

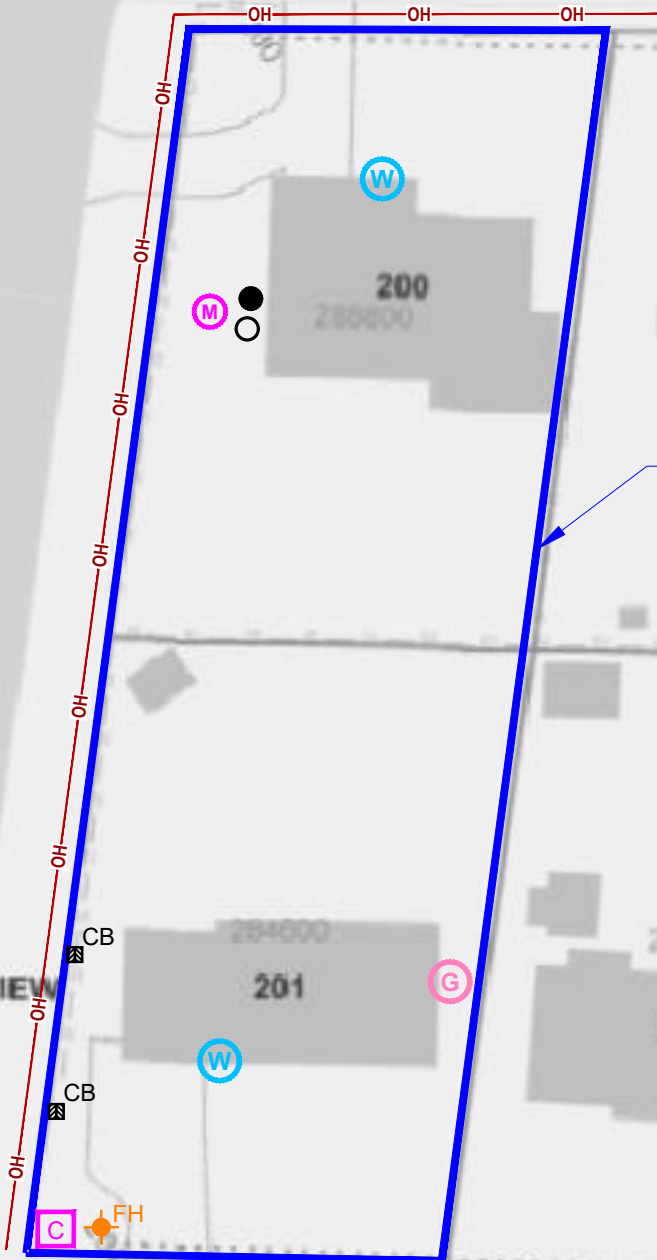
Legend:	
	Phase One Property Boundary
	Fire Hydrant
	Catch Basin
	Overhead Hydro Line
	Gas
	Water
	Vent Pipes
	Fill Pipes
	Communication
	Metal Pipe

Project Title:
Phase One Environmental Site Assessment

Site Location:
200 South Service Rd & 201 Radley Rd,
Mississauga, Ontario


Figure Title:
PHASE ONE PROPERTY

Designed By: JW	File No.: 1-17-0877-41
Drawn By: JB	Scale: As Shown
Reviewed By: SQ	Figure No.: 2
Date: December 2017	




T:\1-Project Files\2017\1-17-0877 - 200 South Service Road & 201 Radley Road, Mississauga\41- Phase One ESA\A. Dwgs. Logs\AutoCAD\1-17-0877-41 Phase One ESA.dwg, JB





Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650



Reference:
Google Maps 2017

Notes:

Legend:

Phase One Property Boundary

Phase One Study Area

Water Body

Residential Land Use

Community Land Use (Roads)

Commercial Land Use

Institutional Land Use

Parkland Use

Project Title:
Phase One Environmental Site Assessment

Site Location:
200 South Service Rd & 201 Radley Rd,
Mississauga, Ontario

Figure Title:
PHASE ONE STUDY AREA

Designed By:
JW

Drawn By:
JB

Reviewed By:
SQ

Date:
December 2017


File No.:
1-17-0877-41

Scale:
As Shown


Figure No.:
3

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Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650



Reference:
Google Earth Pro 2017

Notes:
PCA - Potentially Contaminating Activity
RED - PCA causing APEC on Property
GREEN - PCA unlikely to affect Property

Legend:

Phase One Property Boundary

Phase One Study Area

#28

Gasoline and Associated Products Storage in Fixed Tanks

Project Title:
Phase One Environmental Site Assessment

Site Location:
200 South Service Rd & 201 Radley Rd,
Mississauga, Ontario

Figure Title:
PCA LOCATIONS

Designed By:
JW

Drawn By:
JB

Reviewed By:
SQ

Date:
December 2017

File No.:
1-17-0877-41

Scale:
As Shown

Figure No.:
4

T:\1-Project Files\2017\1-17-0877 - 200 South Service Road & 201 Radley Road, Mississauga\1- Phase One ESA.dwg, 1-17-0877-41 Phase One ESA.dwg, JB

South Service Road



Reference:
Google Maps 2017

Notes:
APEC - Areas of Potential Environmental Concern

Legend:

- Phase One Property Boundary
- APEC 1

Phase One
Property

Project Title:
Phase One Environmental Site Assessment

Site Location:
200 South Service Rd & 201 Radley Rd,
Mississauga, Ontario

Figure Title:
APEC LOCATIONS

Designed By:
JW

File No.:
1-17-0877-41

Drawn By:
JB

Scale:
As Shown

Reviewed By:
SQ

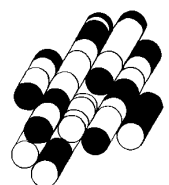
Figure No.:
5

Date:
December 2017



APPENDIX A

TERRAPROBE INC.



Photograph 1



Location: 200 South Service Road
Viewing: South
Description: Single storey bungalow located at 200 South Service Road.

Photograph 2



Location: 200 South Service Road
Viewing: Southeast
Description: Fill pipe and vent pipe observed on the west wall of the building located at 200 South Service Road.

Photograph 3



Location: 200 South Service Road
Viewing: West
Description: Suspected underground storage tank located to the west of the building on site.





Photograph 4

Location: 200 South Service Road
Viewing: East
Description: The pipes seems to be connected to an underground storage tank/structure buried to the west of the building.



Photograph 5

Location: 200 South Service Road
Viewing: Northwest
Description: Electrical panel observed near the entrance of the building.



Photograph 6

Location: 200 South Service Road
Viewing: North
Description: Water meter observed near the electrical panel room.



Photograph 7



Location: 201 Radley Road
Viewing: North
Description: Single storey brick building with a basement.



Photograph 8

Location: 201 Radley Road
Viewing: East
Description: Exterior AC unit was observed in the backyard.



Photograph 9

Location: 201 Radley Road
Viewing: Northeast
Description: Typical interior structure. The ceiling and walls are either drywall or plastered. Floor is made of wooden panels.





Photograph 10

Location: 201 Radley Road
Viewing: Basement
Description: Gas-fired furnace and water boiler are observed in the utility room located in the basement.



Photograph 11

Location: 201 Radley Road
Viewing: West
Description: Gas utilities located at east side of the building.



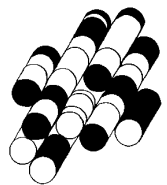
Photograph 12

Location: 201 Radley Road
Viewing: Southwest
Description: Fire hydrants were observed along the property boundary.



APPENDIX B

TERRAPROBE INC.

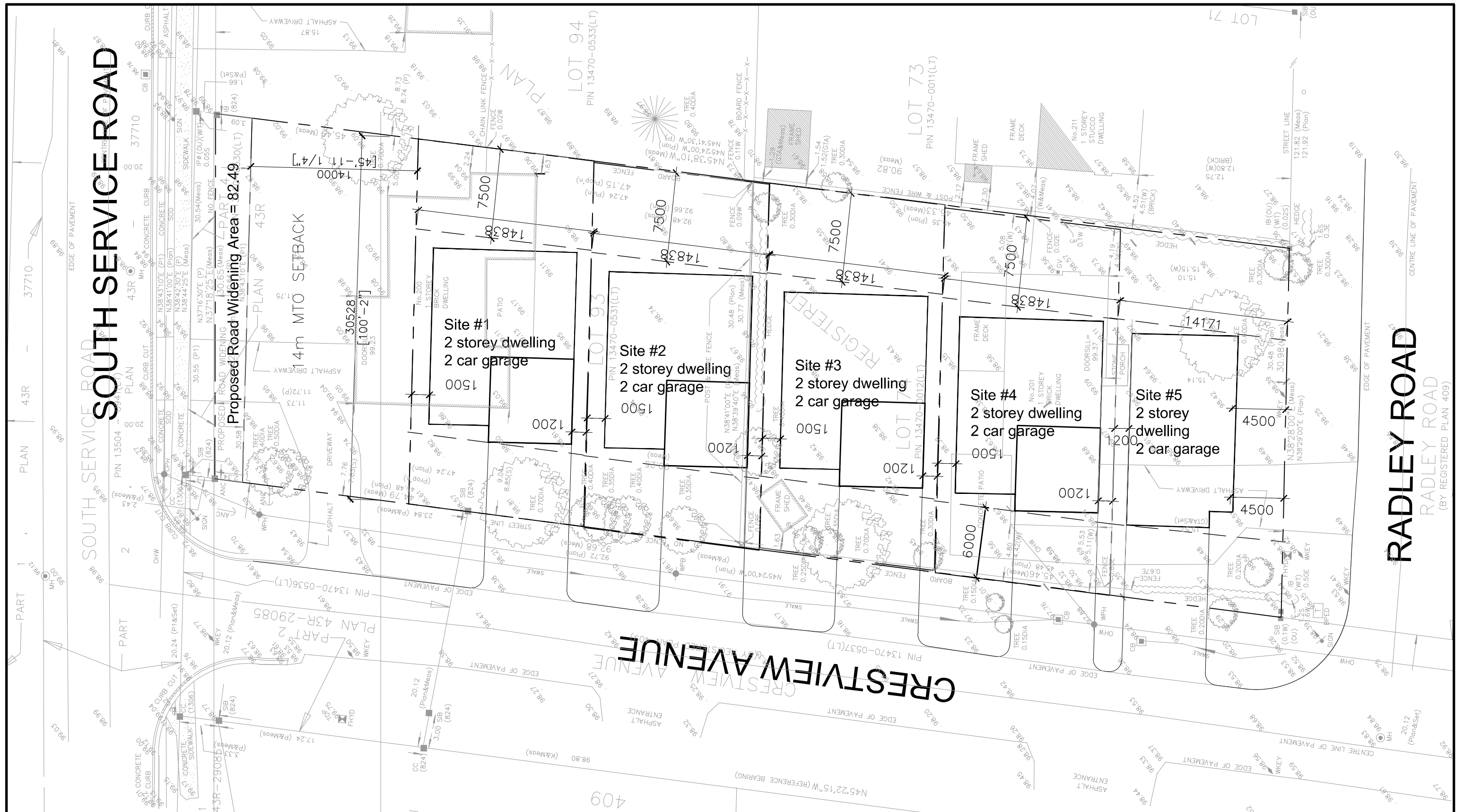


MARA CERVINI, ARCHITECT
18115 MOUNTAINVIEW RD.
CALEDON EAST, ON L7K 2G4
416-574-1086
mara@cerviniarch.com
www.maracerviniarch.com

PROJECT NUMBER:	17-08
-----------------	-------

SCALE: 1:300

01

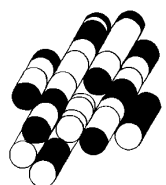




<div>MC.A</div> <div>MARA CERVINI, ARCHITECT</div> <div>18115 MOUNTAINVIEW RD.</div> <div>CALEDON EAST, ON L7K 2G4</div> <div>416-574-1086</div> <div>maracerviniarch.com</div> <div>www.maracerviniarch.com</div>	PROJECT NAME: 200-250 S Service Road Mississauga, ON	DRAWING NAME: Concept Street Elevation 5 Single Family Homes	DRAWING NUMBER: <div>02</div>
	PROJECT NUMBER: 17-08	SCALE: 1:300	

APPENDIX C

TERRAPROBE INC.



CHAIN OF TITLE REPORT

Project # 1-17-0877-41
Address: 200 South Service Road, Mississauga
Legal Lot 93 Plan 409
Description: Save & Except Part 4 Plan 43R-29085

PIN# 13470-0531 (LT)

Searched at: Brampton
LRO #: 43

Page 1

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	25 04 1879	Crown	John HOLDTHORPE
6171	Deed	21 08 1887	John Holdthorpe	Benjamin F. R. HOLDTHORPE
42821	Deed	07 05 1943	Benjamin F. R. Holdthorpe	Margaret NAISH
58378	Deed	20 04 1950	Margaret Naish - Estate	Brian R. B. MAGEE
59390	Deed	21 07 1950	Brian R. B. Magee	Chartered Trust Company
72736	Deed	05 03 1953	Chartered Trust Company	Joseph KLEINSTEIN
75415	Deed	20 07 1953	Joseph Kleinstein	Gilken Construction Co. Limited
80842	Deed	07 05 1954	Gilken Construction Co. Limited	Venton M. HUMPHRIES & George L. PALLETT
87918	Deed	04 05 1955	Venton M. Humphrties & George L. Pallett	Fred KEMPLER

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project # 1-17-0877-41
Address: 200 South Service Road, Mississauga
Legal Lot 93 Plan 409
Description: Save & Except Part 4 Plan 43R-29085

PIN# 13470-0531 (LT)

Searched at: Brampton
LRO #: 43

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
91508	Mortgage	18 10 1955	Fred Kempler	Arthur LUNDY (Mortgagee)
118893	Deed	04 05 1959	Fred Kempler	Pierre GENEST, Trustee
131954	Deed (Power of Sale)	03 10 1960	Arthur Lundy (Pierre Genest defaulted in Mtg 91508)	Leonard C. BECKSTEAD & Angeline BECKSTEAD
176114	Deed	01 02 1965	Leonard C. Beckstead & Angeline Beckstead	Angeline BECKSTEAD
50927vs	Deed	16 08 1967	Angeline Beckstead	Gordon F. FINNIGAN & Ethel M. FINNIGAN
358070vs	Deed	04 07 1975	Gordon F. Finnigan & Ethel M. Finnigan	Leslie W. G. ELFORD & Edith M. ELFORD
427431	Deed	25 04 1977	Leslie W. G. Elford & Edith M. Elford	Vitantonio SIGRISI
RO585075	Deed	15 07 1981	Vitantonio Sigrisi	Celestino COTOIA
PR3034764	Deed	25 11 2016	Celestino Cotoia - Estate	Stan COTOIA

CHAIN OF TITLE REPORT

Project # 1-17-0877-41
Address: 200 South Service Road, Mississauga
Legal Lot 93 Plan 409
Description: Save & Except Part 4 Plan 43R-29085

PIN# 13470-0531 (LT)

Searched at: Brampton
LRO #: 43

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
PR3035075	Deed	25 11 2016	Stan Cotoia	Trnboss Holdings Ltd.
PR3187013	Deed (Present Owner)	18 08 2017	Trnboss Holdings Ltd.	10298786 Canada Inc.

CHAIN OF TITLE REPORT

Project # 1-17-0877-41
Address: 201 Radley Road, Mississauga
Legal Lot 74 Plan 409
Description:

PIN# 13470-0012 (LT)

Searched at: Brampton
LRO #: 43

Page 1

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	25 04 1879	Crown	John HOLDTHORPE
6171	Deed	21 08 1887	John Holdthorpe	Benjamin F. R. HOLDTHORPE
42821	Deed	07 05 1943	Benjamin F. R. Holdthorpe	Margaret NAISH
58373	Deed	20 04 1950	Margaret Naish - Estate	Brian R. B. MAGEE
59390	Deed	21 07 1950	Brian R. B. Magee	Chartered Trust Company
72736	Deed	05 03 1953	Chartered Trust Company	Joseph KLEINSTEIN
75415	Deed	20 07 1953	Joseph Kleinstein	Gilken Construction Co. Limited
77217	Deed	16 10 1953	Gilken Construction Co. Limited	Alan B. DIXON & Gretta G. C. DIXON
971707	Deed	30 05 1991	Gretta Gordon Clark Dixon (Surviving Jt Tenant	Gene Lesley COMASSAR & Meir Yosef BENARI

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project # 1-17-0877-41
Address: 201 Radley Road, Mississauga
Legal Lot 74 Plan 409
Description:

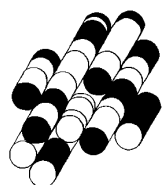
PIN# 13470-0012 (LT)

Searched at: Brampton
LRO #: 43

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
RO1035970	Deed	27 04 1993	Gene Lesley Comassar & Meir Yosef Benari	Gene Lesley COMASSAR
RO1050455	Deed	22 10 1993	Gene Lesley Comassar	Gerald BUNGAY & Emma BUNGAY
PR1724602	Deed	23 10 2009	Gerald Bungay & Emma Bungay	Domenic DE MARCO & Valentina De Marco
PR2530463	Deed	02 05 2014	Domenic De Marco & Valentina De Marco	Chao Miao CHEN
PR3164382	Deed (Present Owner)	13 07 2017	Chao Miao Chen	10299839 Canada Inc.

APPENDIX D

TERRAPROBE INC.



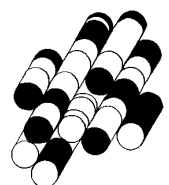
City Directory Search
1-17-0877-41
200 South Service Rd, 201 Radley Rd, Mississauga, ON

	Briarhill Dr	Broadmoor Ave	Camilla Rd	Crestview Ave	Glenview Dr	North Service Rd	Radley Rd		South Service Rd			
	178-228	1547-1615	2024-2070	1556-1620	176-212	155-265	201-247	201	60-250	200		
2001	Residential	Residential	Address Not Listed	Residential	Residential	Commercial/Residential 155-Mackay's Sunoco	Residential	Residential Bungay G	Community/Com mercia/Residentia I	Residential Cotula T		
1995			Commercial/Residential	Street Not Listed		Commercial/Residential 155- LGM Automotive, Sunoco Service, Mackay's Sunoco, Sunoco Inc.						
1990				Commercial/Residentia I		Commercial/Residential 155- Ritchie Bill Sunoco Service, Suncorp Inc.		Residential Dixon Alan B				
1985				Residential		Commercial/Residential 155- Ritchie Bill Sunoco Service, S&M Refrigeration						
1981						Commercial/Residential 155- Bob and Frank Service Cars Auto Service		Address Not Listed				
1965			Residential			Commercial/Residential 155- Balabans Sunoco						
1959			Residential			Residential			Residential			

References
Halton Peel Regions Ontario Criss-Cross Directory 2001
Might's Halton Peel Regions Criss-Cross Directory 1995
Suburban Metro Toronto Criss-Cross Directory 1990
Might's Suburban Metro Toronto Criss-Cross Directory 1985
Might's Toronto Suburban Criss-Cross Directory 1981
Might's 1965 Toronto West and North-West Suburban Directory 1965
Might's 1965 Toronto West and North-West Suburban Directory 1959

APPENDIX E

TERRAPROBE INC.





DATABASE REPORT

Project Property: 200 South Service Rd and 201 Radley Rd, Mississauga
201 South Service Rd
Mississauga ON L5G2S1
1-17-0877-41

Project No:

Report Type: Quote - Custom-Build Your Own Report

Order No: 20171122021

Requested by: Terraprobe Ltd

Date Completed: November 28, 2017

**Environmental Risk
Information Services**
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Executive Summary

Property Information:

Project Property: 200 South Service Rd and 201 Radley Rd, Mississauga
201 South Service Rd Mississauga ON L5G2S1

Project No: 1-17-0877-41

Order Information:

Order No: 20171122021
Date Requested: November 22, 2017
Requested by: Terraprobe Ltd
Report Type: Quote - Custom-Build Your Own Report

Historical/Products:

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	1	1
CA	Certificates of Approval	Y	0	2	2
CFOT	Commercial Fuel Oil Tanks	Y	0	1	1
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
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	0	3	3
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	1	1
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	4	4
FSTH	Fuel Storage Tank - Historic	Y	0	2	2
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	2	2
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
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	2	2
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	2	2
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	4	4
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	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	0	5	5
Total:			0	31	31

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	CA	R.M. OF PEEL	SOUTH SERVICE RD/CRESTVIEW AVE MISSISSAUGA CITY ON	WNW/7.5	0.05	16
2	EHS		1640 Crestview Avenue Mississauga ON	SW/42.0	-0.43	16
3	EHS		1640 Crestview Avenue Mississauga ON L5G 3P9	SSW/43.0	-0.25	16
4	WWIS		MISSISSAUGA ON	SSW/64.9	-0.38	16
5	WWIS		Mississauga ON	SW/66.2	-0.43	19
6	SPL	PRIVATE OWNER	RESIDENCE AT 189 GLENVIEW DRIVE IN PORT CREDIT (OWNER MRS. DAVIS 278-8652) STORAGE TANK/BARREL MISSISSAUGA CITY ON L5G 2N7	SSE/94.6	1.67	22
7	CFOT	I. F. CUMMING	240 S. SERVICE RD MISSISSAUGA ON L5G 2S1	NNE/106.5	-3.07	22
8	WWIS		ON	W/111.6	-1.35	22
9	WWIS		Mississauga ON	W/116.4	-1.56	23
10	EXP	R A F PETROLEUMS LTD	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	W/120.6	-2.13	27
10	FST	1659183 ONTARIO INC	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	W/120.6	-2.13	27
10	FST	1659183 ONTARIO INC	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	W/120.6	-2.13	27
10	FST	1659183 ONTARIO INC	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	W/120.6	-2.13	28
10	FST	1659183 ONTARIO INC	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	W/120.6	-2.13	28
10	INC		155 NORTH SERVICE ROAD, MISSISSAUGA ON	W/120.6	-2.13	28
11	FSTH	RSK CORPORATION	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	W/123.4	-1.85	29
11	FSTH	1634821 ONTARIO O/A GAS STATION	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	W/123.4	-1.85	30
11	PRT	R A F PETROLEUMS LTD	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	W/123.4	-1.85	30
11	PRT	1037554 ONTARIO LIMITED	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	W/123.4	-1.85	30
11	RST	MACKAY'S AUTOMOTIVE	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	W/123.4	-1.85	31
11	RST	MACKAY'S SUNOCO	155 NORTH SERVICE RD MISSISSAUGA ON L5A1A2	W/123.4	-1.85	31
12	SPL	Enbridge Gas Distribution Inc.	247 Radley Road Mississauga ON	NE/131.5	-4.34	31

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>13</u>	HINC	UNKNOWN	150 SOUTH SERVICE ROAD, UNIT 48 MISSISSAUGA ON	SSW/132.3	-0.43	<u>31</u>
<u>14</u>	WWIS		MISSISSAUGA ON	W/138.0	-2.43	<u>32</u>
<u>15</u>	SPL		COOKSVILLE CREEK QEW MISSISSAUGA CITY ON	NNE/186.1	-4.38	<u>34</u>
<u>16</u>	BORE		ON	S/206.5	-0.43	<u>35</u>
<u>17</u>	INC		ON	N/229.0	-2.37	<u>35</u>
<u>18</u>	PINC	R.M. OF PEEL	2061 CAMILLA ROAD, MISSISSAUGA ON	NW/230.7	-3.47	<u>36</u>
<u>18</u>	SPL		2061 Camilla Road Mississauga ON	NW/230.7	-3.47	<u>36</u>
<u>19</u>	CA		BRIARHILL DR./BROADMOORE AVE. MISSISSAUGA CITY ON	ESE/235.5	-2.49	<u>37</u>
<u>20</u>	EHS		255 & 265 NORTH SERVICE ROAD MISSISSAUGA ON	N/238.5	-2.46	<u>37</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	206.5	<u>16</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
R.M. OF PEEL	SOUTH SERVICE RD/CRESTVIEW AVE MISSISSAUGA CITY ON	7.5	<u>1</u>
R.M. OF PEEL	BRIARHILL DR./BROADMOORE AVE. MISSISSAUGA CITY ON	235.5	<u>19</u>

CFOT - Commercial Fuel Oil Tanks

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
I. F. CUMMING	240 S. SERVICE RD MISSISSAUGA ON L5G 2S1	106.5	<u>7</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 3 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1640 Crestview Avenue Mississauga ON	42.0	<u>2</u>
	1640 Crestview Avenue Mississauga ON L5G 3P9	43.0	<u>3</u>
	255 & 265 NORTH SERVICE ROAD MISSISSAUGA ON	238.5	<u>20</u>

EXP - List of TSSA Expired Facilities

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
R A F PETROLEUMS LTD	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	120.6	<u>10</u>

FST - Fuel Storage Tank

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1659183 ONTARIO INC	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	120.6	<u>10</u>
1659183 ONTARIO INC	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	120.6	<u>10</u>
1659183 ONTARIO INC	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	120.6	<u>10</u>
1659183 ONTARIO INC	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	120.6	<u>10</u>

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1634821 ONTARIO O/A GAS STATION	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	123.4	<u>11</u>
RSK CORPORATION	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	123.4	<u>11</u>

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	150 SOUTH SERVICE ROAD, UNIT 48 MISSISSAUGA ON	132.3	<u>13</u>

INC - TSSA Incidents

A search of the INC database, dated Feb 28, 2017 has found that there are 2 INC site(s) within approximately 0.25 kilometers of the

project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	155 NORTH SERVICE ROAD, MISSISSAUGA ON	120.6	<u>10</u>
	ON	229.0	<u>17</u>

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.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2061 CAMILLA ROAD, MISSISSAUGA ON	230.7	<u>18</u>

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 2 PRT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1037554 ONTARIO LIMITED	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	123.4	<u>11</u>
R A F PETROLEUMS LTD	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	123.4	<u>11</u>

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-May 2017 has found that there are 2 RST site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MACKAY'S SUNOCO	155 NORTH SERVICE RD MISSISSAUGA ON L5A1A2	123.4	<u>11</u>
MACKAY'S AUTOMOTIVE	155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	123.4	<u>11</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2017 has found that there are 4 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE OWNER	RESIDENCE AT 189 GLENVIEW DRIVE IN PORT CREDIT (OWNER MRS. DAVIS 278- 8652) STORAGE TANK/BARREL MISSISSAUGA CITY ON L5G 2N7	94.6	<u>6</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge Gas Distribution Inc.	247 Radley Road Mississauga ON	131.5	<u>12</u>
UNKNOWN	COOKSVILLE CREEK QEW MISSISSAUGA CITY ON	186.1	<u>15</u>
	2061 Camilla Road Mississauga ON	230.7	<u>18</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31, 2017 has found that there are 5 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	MISSISSAUGA ON	64.9	<u>4</u>
	Mississauga ON	66.2	<u>5</u>
	ON	111.6	<u>8</u>
	Mississauga ON	116.4	<u>9</u>
	MISSISSAUGA ON	138.0	<u>14</u>



Map : 0.25 Kilometer Radius

Order No: 20171122021

Address: 201 South Service Rd, Mississauga, ON, L5G2S1

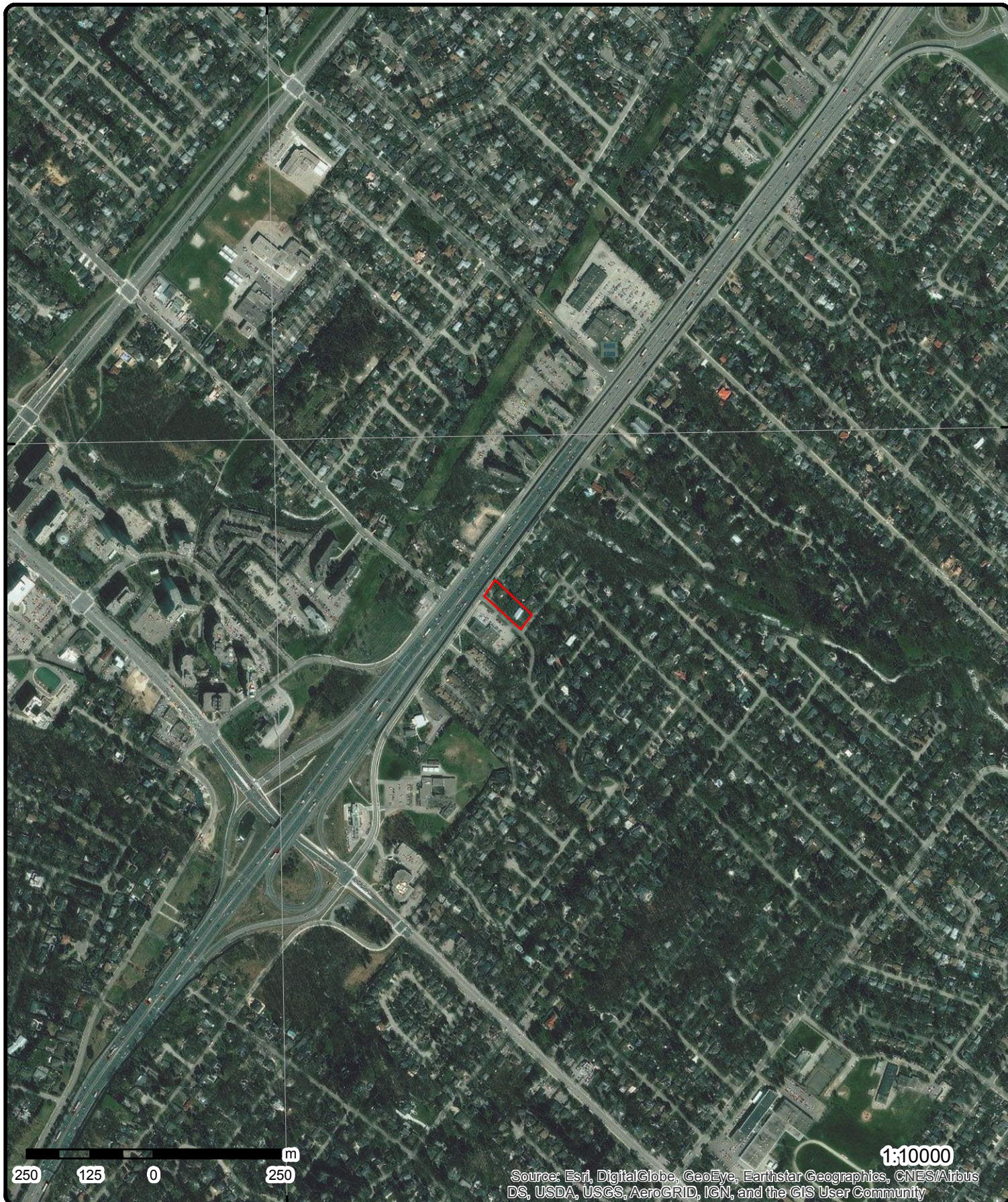


Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range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

79°36'W

43°34'30"N

43°34'30"N



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial

Address: 201 South Service Rd, Mississauga, ON, L5G2S1

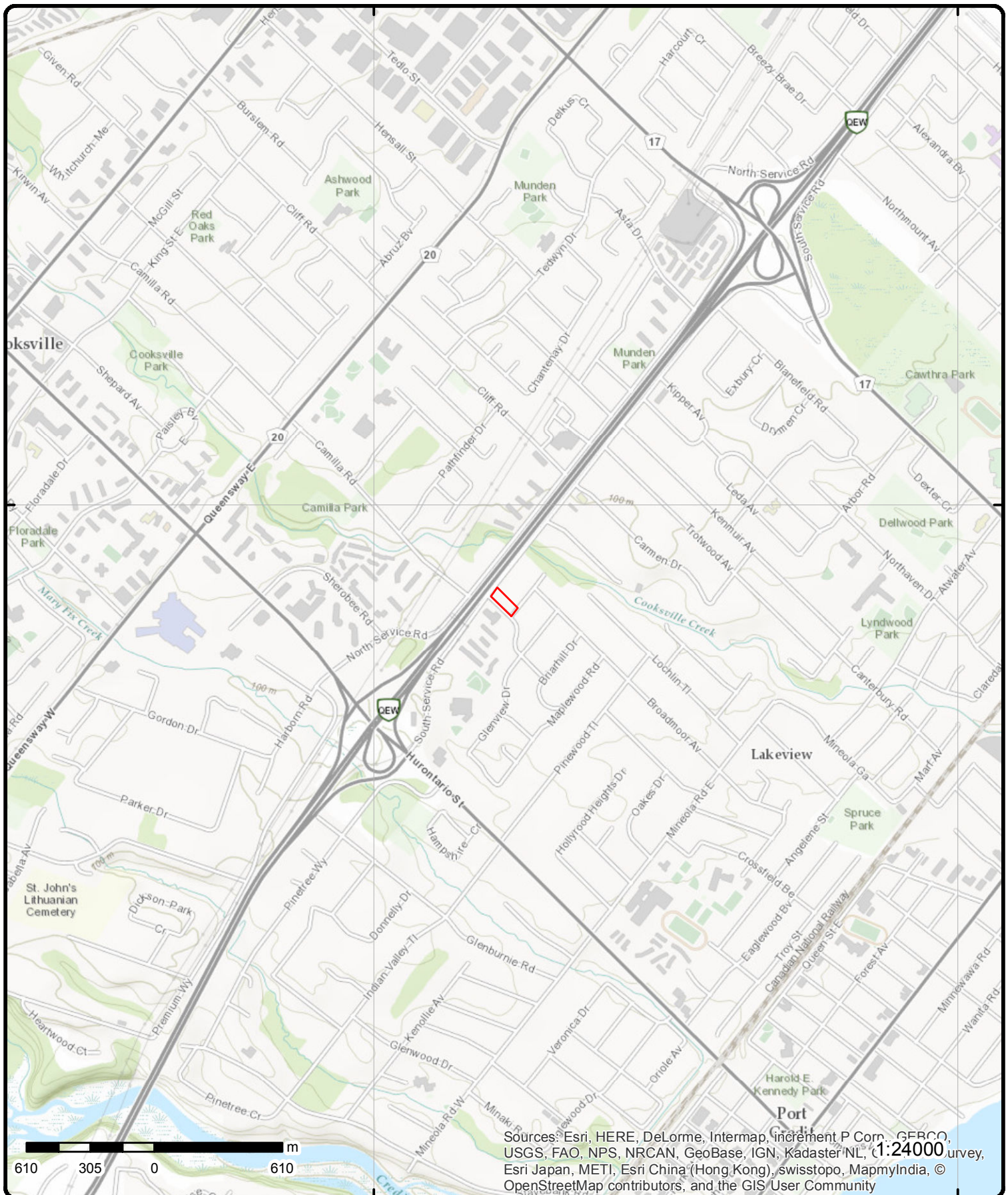
Source: ESRI World Imagery

Order No: 20171122021

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ENVIRONMENTAL RISK INFORMATION SERVICES



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Topographic Map

Address: 201 South Service Rd, Mississauga, ON, L5G2S1

Source: ESRI World Topographic Map

Order No: 20171122021



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	WNW/7.5	98.3	R.M. OF PEEL SOUTH SERVICE RD/CRESTVIEW AVE MISSISSAUGA CITY ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::		7-0883-96- 96 9/25/1996 Municipal water Approved			
2	1 of 1	SW/42.0	97.8	1640 Crestview Avenue Mississauga ON	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: Addit. Info Ordered:: Report Date: Report Type: Search Radius (km):		20131007041 17-OCT-13 Custom Report .25			
3	1 of 1	SSW/43.0	98.0	1640 Crestview Avenue Mississauga ON L5G 3P9	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: Addit. Info Ordered:: Report Date: Report Type: Search Radius (km):		20091207007 Fire Insur. Maps and/or Site Plans; 12/15/2009 Standard Select Report 0.25			
4	1 of 1	SSW/64.9	97.9	MISSISSAUGA ON	WWIS
Well ID: Construction Date:		7218798 Data Entry Status: Data Src:			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:	Monitoring and Test Hole 0 Test Hole Z179630 A152934 			Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	4/1/2014 1 7247 7 1640 CRESTVIEW AVE. PEEL MISSISSAUGA CITY
<u>Bore Hole Information</u>					
Bore Hole ID: DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	 1004728780 98.000099 			Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	 4 margin of error : 30 m - 100 m wwr UTM83 10/16/2013
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	1005055486 1 2 GREY 05 CLAY 11 GRAVEL 85 SOFT 0.00 5.00 ft				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth:	1005055487 2 6 BROWN 34 TILL 11 GRAVEL 73 HARD 5.00				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Formation End Depth:		12.00			
Formation End Depth UOM:		ft			
Formation ID:		1005055488			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:		73			
Other Materials:		HARD			
Formation Top Depth:		12.00			
Formation End Depth:		26.00			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005055496			
Layer:		1			
Plug From:		0.00			
Plug To:		13.00			
Plug Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1005055495			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1005055485			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1005055491			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		15.00			
Casing Diameter:		2.00			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Screen</u>					
Screen ID:		1005055492			
Layer:		1			
Slot:		10			
Screen Top Depth:		15.00			
Screen End Depth:		26.00			
Screen Material:		5			
Screen Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Screen Diameter UOM:		inch			
Screen Diameter:		2.12			
<u>Water Details</u>					
Water ID:		1005055490			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		20.00			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005055489			
Diameter:		8.25			
Depth From:		0.00			
Depth To:		26.00			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

<u>5</u>	1 of 1	SW/66.2	97.8	Mississauga ON	WWIS
Well ID:		7141722		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Test Hole		Date Received:	
Sec. Water Use:				3/19/2010	
Final Well Status:		Test Hole		Selected Flag:	
Water Type:				1	
Casing Material:				Abandonment Rec:	
Audit No:		Z110079		Contractor:	
Tag:		A095324		7215	
Construction Method:				Form Version:	
Elevation (m):				7	
Elevation Reliability:				Owner:	
Depth to Bedrock:				Street Name:	
Well Depth:				1640 CRESTVIEW AVE.	
Overburden/Bedrock:				County:	
Pump Rate:				PEEL	
Static Water Level:				Municipality:	
Flowing (Y/N):				MISSISSAUGA CITY	
Flow Rate:				Site Info:	
Clear/Cloudy:				Lot:	
				Concession:	
				Concession Name:	
				Easting NAD83:	
				Northing NAD83:	
				Zone:	
				UTM Reliability:	

<u>Bore Hole Information</u>					
Bore Hole ID:		1002951109		Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	
Code OB Desc:				4	
Open Hole:				UTMRC Desc:	
Elevation:		97.990951		margin of error : 30 m - 100 m	
Elevrc:				Location Method:	
Remarks:				wwr	
Elevrc Desc:				Org CS:	
Location Source Date:				UTM83	
Improvement Location Source:				Date Completed:	
Improvement Location Method:				2/11/2010	
Source Revision Comment:					
Supplier Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003145286			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		01			
Most Common Material:		FILL			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0.00			
Formation End Depth:		4.00			
Formation End Depth UOM:		ft			
Formation ID:		1003145287			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		17			
Other Materials:		SHALE			
Mat3:		92			
Other Materials:		WEATHERED			
Formation Top Depth:		4.00			
Formation End Depth:		10.00			
Formation End Depth UOM:		ft			
Formation ID:		1003145288			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:		92			
Other Materials:		WEATHERED			
Formation Top Depth:		10.00			
Formation End Depth:		20.00			
Formation End Depth UOM:		ft			
Formation ID:		1003145289			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:		92			
Other Materials:		WEATHERED			
Formation Top Depth:		20.00			
Formation End Depth:		25.00			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003145292			
Layer:		1			
Plug From:		25.00			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Plug To:		13.00			
Plug Depth UOM:		ft			
Plug ID:		1003145293			
Layer:		2			
Plug From:		13.00			
Plug To:		1.00			
Plug Depth UOM:		ft			
Plug ID:		1003145294			
Layer:		3			
Plug From:		1.00			
Plug To:		0.00			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003145299			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003145285			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003145296			
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1003145297			
Layer:		1			
Slot:		10			
Screen Top Depth:		15.00			
Screen End Depth:		25.00			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		1.25			
<u>Water Details</u>					
Water ID:		1003145295			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1003145291			
Diameter:		8.00			
Depth From:		1.00			
Depth To:		0.00			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
Hole ID:		1003145290			
Diameter:		4.00			
Depth From:		25.00			
Depth To:		1.00			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>6</u>	1 of 1	SSE/94.6	99.9	PRIVATE OWNER RESIDENCE AT 189 GLENVIEW DRIVE IN PORT CREDIT (OWNER MRS. DAVIS 278-8652) STORAGE TANK/BARREL MISSISSAUGA CITY ON L5G 2N7	SPL
Ref No:	75325			Site Address:	
Contaminant Name:				Site Conc:	
Contaminant Code:				Site Lot:	
Contaminant Limit 1:				Site County/District:	
Contam. Limit Freq 1:				Site Municipality:	21102
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:				Sector Type:	
MOE Reported Dt:	8/27/1992			Source Type:	
Health/Env Conseq:				Receiving Medium:	WATER
Incident Dt:	8/26/1992			Receiving Env:	
Incident Cause:	OTHER CONTAINER LEAK			Environment Impact:	NOT ANTICIPATED
Incident Event:				Nature of Impact:	Other
Incident Reason:	EQUIPMENT FAILURE			SAC Action Class:	
Incident Summary:	RESIDENCE - 600 L OF FURNACE OIL TO SEWER DRAIN FROM STORAGE TANK.				
<u>7</u>	1 of 1	NNE/106.5	95.2	I. F. CUMMING 240 S. SERVICE RD MISSISSAUGA ON L5G 2S1	CFOT
Licence No:				Letter Sent:	
Registration No:				Corrosion Protection:	
Posse File No:				Province:	ON
Posse Reg No:				Nbr:	1245
Tank Type:	Single Wall UST			Contact Name:	
Instance Number:	46415848			Contact Address:	
Facility Type:	FS Fuel Oil Tank			Contact Address2:	
Instance Type:	FS Fuel Oil Tank			Contact Suite:	
Status Name:	Active			Contact City:	
Fuel Type:	Fuel Oil			Contact Prov:	
Distributor:				Contact Postal:	
Tank Material:	Fiberglass (FRP)			Tank Address:	240 S. SERVICE RD
Tank Age (as of 05/1992):				Comments:	
Tank Size:	1364				
<u>8</u>	1 of 1	W/111.6	96.9		WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
ON					
Well ID:	7164059			Data Entry Status:	Date Entry is incomplete
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	6/8/2011
Sec. Water Use:				Selected Flag:	1
Final Well Status:				Abandonment Rec:	
Water Type:				Contractor:	6607
Casing Material:				Form Version:	5
Audit No:	M08493			Owner:	
Tag:	A062511			Street Name:	
Construction Method:				County:	PEEL
Elevation (m):				Municipality:	MISSISSAUGA CITY
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:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1003518597			Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	3
Code OB Desc:				UTMRC Desc:	margin of error : 10 - 30 m
Open Hole:				Location Method:	wwr
Elevation:	98.723503			Org CS:	UTM83
Elevrc:				Date Completed:	5/6/2011
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
9	1 of 1	W/116.4	96.7	Mississauga ON	WWIS
Well ID:	7134512			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	11/23/2009
Sec. Water Use:	0			Selected Flag:	1
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	6809
Casing Material:				Form Version:	5
Audit No:	M05861			Owner:	
Tag:	A079805			Street Name:	155 NORTH SERVICE RD
Construction Method:				County:	PEEL
Elevation (m):				Municipality:	MISSISSAUGA CITY
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:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<u>Bore Hole Information</u>					
Bore Hole ID:	1003265079			Spatial Status:	
DP2BR:				Cluster Kind:	This is a record from cluster log sheet
Code OB:				UTMRC:	3
Code OB Desc:				UTMRC Desc:	margin of error : 10 - 30 m
Open Hole:				Location Method:	wwr
Elevation:	98.760787			Org CS:	UTM83
Elevrc:				Date Completed:	9/4/2009
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1003265083				
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1003265082				
Method Construction Code:					
Method Construction:					
Other Method Construction:	AUGER				
<u>Pipe Information</u>					
Pipe ID:	1003265084				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1003265086				
Layer:					
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:					
Depth To:	5.00				
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:	ft				
<u>Construction Record - Screen</u>					
Screen ID:	1003265085				
Layer:					
Slot:					
Screen Top Depth:	5.00				
Screen End Depth:	20.00				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1003265087			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1003265081			
Diameter:		8.00			
Depth From:					
Depth To:		20.00			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002839298			Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	4
Code OB Desc:				UTMRC Desc:	margin of error : 30 m - 100 m
Open Hole:				Location Method:	wwr
Elevation:	98.472679			Org CS:	UTM83
Elevrc:				Date Completed:	9/3/2009
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003265089			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Other Materials:					
Mat3:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Other Materials:					
Formation Top Depth:		0.00			
Formation End Depth:		5.00			
Formation End Depth UOM:		ft			
Formation ID:		1003265090			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		34			
Most Common Material:		TILL			
Mat2:		17			
Other Materials:		SHALE			
Mat3:					
Other Materials:					
Formation Top Depth:		5.00			
Formation End Depth:		20.00			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003265092			
Layer:		1			
Plug From:		0.00			
Plug To:		3.00			
Plug Depth UOM:		ft			
Plug ID:		1003265094			
Layer:		3			
Plug From:		3.00			
Plug To:		20.00			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003265099			
Method Construction Code:		E			
Method Construction:		Auger			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003265088			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003265095			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		5.00			
Casing Diameter:		2.00			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
Casing ID:		1003265096			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Layer: 2 Material: 5 Open Hole or Material: PLASTIC Depth From: 5.00 Depth To: 20.00 Casing Diameter: 2.00 Casing Diameter UOM: inch Casing Depth UOM: ft					
<u>Hole Diameter</u>					
Hole ID: 1003265091 Diameter: 8.00 Depth From: 0.00 Depth To: 20.00 Hole Depth UOM: ft Hole Diameter UOM: inch					
10	1 of 6	W/120.6	96.1	R A F PETROLEUMS LTD 155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	EXP
Instance No: 9926619 Instance ID: Instance Type: FS Facility Description: Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: 5/1/1991					
10	2 of 6	W/120.6	96.1	1659183 ONTARIO INC 155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	FST
Instance No: 11077240 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 22700 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Single Wall UST Install Year: 1985 Parent Facility Type: FS Gasoline Station - Full Serve Facility Type: FS Liquid Fuel Tank					
10	3 of 6	W/120.6	96.1	1659183 ONTARIO INC 155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	FST
Instance No: 11077205 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 36300 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
Tank Type: Install Year: Parent Facility Type: Facility Type:		Single Wall UST 1985 FS Gasoline Station - Full Serve FS Liquid Fuel Tank			
10	4 of 6	W/120.6	96.1	1659183 ONTARIO INC 155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	FST
Instance No: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		11077212 FS Liquid Fuel Tank Gasoline Active 36300 Fiberglass (FRP) Fiberglass Single Wall UST 1985 FS Gasoline Station - Full Serve FS Liquid Fuel Tank			
10	5 of 6	W/120.6	96.1	1659183 ONTARIO INC 155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	FST
Instance No: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		11077226 FS Liquid Fuel Tank Gasoline Active 27000 Fiberglass (FRP) Fiberglass Single Wall UST 1985 FS Gasoline Station - Full Serve FS Liquid Fuel Tank			
10	6 of 6	W/120.6	96.1	155 NORTH SERVICE ROAD, MISSISSAUGA ON	INC
Incident No: Incident ID: Attribute Category: Status Code: Incident Location: Drainage System: Sub Surface Contam.: Aff. Prop. Use Water: Contam. Migrated: Contact Natural Env.: Near Body of Water: Approx. Quant. Rel.: Equipment Model: Serial No: Residential App. Type: Commercial App. Type: Industrial App. Type: Institutional App. Type:		1159492 FS-Perform L1 Near Miss Insp 155 NORTH SERVICE ROAD, MISSISSAUGA - NEAR MISS			

11	1 of 6	W/123.4	96.4	RSK CORPORATION 155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	FSTH
<hr/>					
License Issue Date:		6/20/2008 9:14:00 AM			
Tank Status:		Licensed			
Tank Status As Of:		December 2008			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Full Serve			
<hr/>					
--Details--					
Status:		Active			
Year of Installation:		1985			
Corrosion Protection:					
Capacity:		36300			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
<hr/>					
Status:		Active			
Year of Installation:		1985			
Corrosion Protection:					
Capacity:		36300			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
<hr/>					
Status:		Active			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Year of Installation: 1985 Corrosion Protection: Capacity: 27000 Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline Status: Active Year of Installation: 1985 Corrosion Protection: Capacity: 22700 Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline					
11	2 of 6	W/123.4	96.4	1634821 ONTARIO O/A GAS STATION 155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	FSTH
License Issue Date: 5/10/2005 Tank Status: Licensed Tank Status As Of: August 2007 Operation Type: Retail Fuel Outlet Facility Type: Gasoline Station - Full Serve --Details-- Status: Active Year of Installation: 1985 Corrosion Protection: Capacity: 36300 Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline Status: Active Year of Installation: 1985 Corrosion Protection: Capacity: 36300 Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline Status: Active Year of Installation: 1985 Corrosion Protection: Capacity: 27000 Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline Status: Active Year of Installation: 1985 Corrosion Protection: Capacity: 22700 Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline					
11	3 of 6	W/123.4	96.4	R A F PETROLEUMS LTD 155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	PRT
Location ID: 18194 Type: retail Expiry Date: 1991-04-30 Capacity (L): 19001 Licence #: 0053282001					
11	4 of 6	W/123.4	96.4	1037554 ONTARIO LIMITED 155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	PRT

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Location ID: Type: Expiry Date: Capacity (L): Licence #:		18194 retail 1995-06-30 122742 0076401355			
11	5 of 6	W/123.4	96.4	MACKAY'S AUTOMOTIVE 155 NORTH SERVICE RD MISSISSAUGA ON L5A 1A2	RST
Code: Facility: Description: List Name:		1186800 Service Stations-Gasoline, Oil & Natural Gas			
11	6 of 6	W/123.4	96.4	MACKAY'S SUNOCO 155 NORTH SERVICE RD MISSISSAUGA ON L5A1A2	RST
Code: Facility: Description: List Name:		1186800 Service Stations-Gasoline, Oil & Natural Gas			
12	1 of 1	NE/131.5	93.9	Enbridge Gas Distribution Inc. 247 Radley Road Mississauga ON	SPL
Ref No: Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam. Limit Freq 1: Contaminant UN No 1: Contaminant Qty: MOE Reported Dt: Health/Env Conseq: Incident Dt: Incident Cause: Incident Event: Incident Reason: Incident Summary:		2752-AKVHKK NATURAL GAS (METHANE) 35 1075 0 other - see incident description 3/28/2017 2 - Minor Environment 3/27/2017 Leak/Break Operator/Human Error TSSA FSB 1 inch pl IP gas service dmgd made safe yesterday	Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: Site Postal Code: Sector Type: Source Type: Receiving Medium: Receiving Env: Environment Impact: Nature of Impact: SAC Action Class:		
		247 Radley Road Regional Municipality of Peel Mississauga Unknown / N/A Pipeline/Components Air			
13	1 of 1	SSW/132.3	97.8	150 SOUTH SERVICE ROAD, UNIT 48 MISSISSAUGA ON	HINC
External File Num: Date of Occurrence: Fuel Occurrence Type: Fuel Type Involved: Status Desc:: Job Type Desc:: Oper. Type Involved:: Service Interruptions:: Property Damage:: Fuel Life Cycle Stage:: Root Cause::		FS INC 0807-03639 6/16/2008 Pipeline Strike Natural Gas Completed - Causal Analysis(End) Incident/Near-Miss Occurrence (FS) Construction Site (pipeline strike) Yes No Transmission, Distribution and Transportation Root Cause: Equipment/Material/Component:No Management:No Human Factors:Yes	Procedures:No Maintenance:No Design:No Training:No		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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::					
14	1 of 1	W/138.0	95.8	MISSISSAUGA ON	WWIS
Well ID: 7224918 Construction Date: Primary Water Use: Monitoring Sec. Water Use: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z189558 Tag: A163576 Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:					
Data Entry Status: Data Src: Date Received: 7/31/2014 Selected Flag: 1 Abandonment Rec: Contractor: 7472 Form Version: 7 Owner: Street Name: 2024 CAMILLA RD. County: PEEL Municipality: MISSISSAUGA CITY Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
<u>Bore Hole Information</u>					
Bore Hole ID: 1005006654 DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: 98.564041 Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
Spatial Status: Cluster Kind: UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr Org CS: UTM83 Date Completed: 4/17/2014					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 1005259259 Layer: 1 Color: 6 General Color: BROWN Mat1: 01 Most Common Material: FILL Mat2: 05					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Other Materials:		CLAY			
Mat3:		77			
Other Materials:		LOOSE			
Formation Top Depth:		0.00			
Formation End Depth:		0.60			
Formation End Depth UOM:		m			
Formation ID:		1005259260			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Other Materials:		SILT			
Mat3:		79			
Other Materials:		PACKED			
Formation Top Depth:		0.60			
Formation End Depth:		3.40			
Formation End Depth UOM:		m			
Formation ID:		1005259261			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:		79			
Other Materials:		PACKED			
Formation Top Depth:		3.40			
Formation End Depth:		4.60			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1005259268			
Layer:		1			
Plug From:		0.00			
Plug To:		2.20			
Plug Depth UOM:		m			
Plug ID:		1005259269			
Layer:		2			
Plug From:		2.20			
Plug To:		4.60			
Plug Depth UOM:		m			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1005259267			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1005259258			
Casing No:		0			
Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005259264			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		2.50			
Casing Diameter:		5.20			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005259265			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.50			
Screen End Depth:		4.60			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.40			
<u>Water Details</u>					
Water ID:		1005259263			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005259262			
Diameter:		21.00			
Depth From:		0.00			
Depth To:		4.60			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>15</u>	1 of 1	NNE/186.1	93.9	UNKNOWN COOKSVILLE CREEK QEW MISSISSAUGA CITY ON	SPL
Ref No:	36009			Site Address:	
Contaminant Name:				Site Conc:	
Contaminant Code:				Site Lot:	
Contaminant Limit 1:				Site County/District:	
Contam. Limit Freq 1:				Site Municipality:	21102
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:				Sector Type:	
MOE Reported Dt:	6/9/1990			Source Type:	
Health/Env Conseq:				Receiving Medium:	WATER
Incident Dt:	6/9/1990			Receiving Env:	
Incident Cause:	UNKNOWN			Environment Impact:	POSSIBLE
Incident Event:				Nature of Impact:	Water course or lake
Incident Reason:	UNKNOWN			SAC Action Class:	
Incident Summary:	OIL FILM COVERING	COOKVILLE			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
CREEK FROM UNKNOWN SOURCE.					
16	1 of 1	S/206.5	97.8	ON	BORE
<div> <div> Borehole ID: 647803 Use: Geotechnical/Geological Investigation Drill Method:: Hand auger Easting:: 613515 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 1.8 Township:: Lot:: Completion Date:: APR-1969 Primary Water Use:: Not Used </div> <div> Type: Borehole Status:: UTM Zone:: 17 Northing:: 4825043 Orig. Ground Elev m:: 94.3 DEM Ground Elev m:: 98.9 Primary Name:: Concession:: Municipality: Static Water Level:: .2 Sec. Water Use:: </div> </div>					
--Details--					
<div> <div> Stratum ID: 218520411 Bottom Depth(m): 1.1 </div> <div> Top Depth(m): 0.0 Stratum Desc: SAND(82)-MEDIUM TO COARSE,SILT(18). BROWN,LACUSTRINE,DENSE, AGE GLACIAL. </div> </div>					
<div> <div> Stratum ID: 218520412 Bottom Depth(m): 1.8 </div> <div> Top Depth(m): 1.1 Stratum Desc: SILT,CLAY,STONES. GREY,BROWN,LACUSTRINE, AGE GLACIAL, WATER STABLE AT 308.9 FEET. 026 </div> </div>					
17	1 of 1	N/229.0	95.9	ON	INC
<div> <div> Incident No: 1142172 Incident ID: Attribute Category: FS-Perform L1 Incident Insp Status Code: Incident Location: 255 NORTH SERVICE ROAD, MISSISSAUGA - VAPOUR RELEASE Drainage System: Sub Surface Contam.: Aff. Prop. Use Water: Contam. Migrated: Contact Natural Env.: Near Body of Water: Approx. Quant. Rel.: Equipment Model: Serial No: Residential App. Type: Commercial App. Type: Industrial App. Type: Institutional App. Type: Venting Type: Vent Connector Mater: Vent Chimney Mater: Pipeline Type: Pipeline Involved: Pipe Material: Depth Ground Cover: Regulator Location: Regulator Type: Operation Pressure: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Fuels Occurrence Type: Vapour Release Fuel Type Involved: Natural Gas Date of Occurrence: 7/7/2013 0:00 Time of Occurrence: 20:48:00 Occur Insp Start Date: 7/9/2013 0:00 Any Health Impact: No Any Environmental Impact: Unknown Was Service Interrupted: Yes Was Property Damaged: Yes Operation Type Involved: Multi-unit Residential Enforcement Policy: Prc Escalation Required: Task No: 4542529 Notes: Occurrence Narrative: Building exposed to flood water Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac: Liquid Prop Notes:					
18	1 of 2	NW/230.7	94.8	2061 CAMILLA ROAD, MISSISSAUGA ON	PINC
Incident ID: Incident No: 1742126 Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Fuel Occurrence Tp: Fuel Type: Tank Status: RC Established Task No: 5912873 Spills Action Centre: Method Details: E-mail Fuel Category: Natural Gas Date of Occurrence: Occurrence Start Date: 2015/11/03 Operation Type: Pipeline Type: Regulator Type: Summary: 2061 CAMILLA ROAD, MISSISSAUGA - PIPELINE HIT - 1/2" Reported By: Blake Frost - ENBRIDGE Affiliation: Occurrence Desc: Damage Reason: Excavation practices not sufficient Notes:					
Health Impact: Environment Impact: Property Damage: Yes Service Interrupt: Enforce Policy: Yes Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regulator Location:					
18	2 of 2	NW/230.7	94.8	2061 Camilla Road Mississauga ON	SPL
Ref No: 5203-A3JLA8 Contaminant Name: NATURAL GAS (METHANE) Contaminant Code: 35 Contaminant Limit 1: Contam. Limit Freq 1: Contaminant UN No 1:					
Site Address: 2061 Camilla Road Site Conc: Site Lot: Site County/District: Site Municipality: Mississauga Site Postal Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Contaminant Qty: MOE Reported Dt: Health/Env Conseq: Incident Dt: Incident Cause: Incident Event: Incident Reason: Incident Summary:	0 other - see incident description 10/22/2015 10/22/2015 Operator/Human Error TSSA - Enbridge, ½ inch plastic line damage, made safe			Sector Type: Source Type: Receiving Medium: Receiving Env: Environment Impact: Nature of Impact: SAC Action Class:	Miscellaneous Industrial TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill

<u>19</u>	1 of 1	ESE/235.5	95.8	R.M. OF PEEL BRIARHILL DR./BROADMOORE AVE. MISSISSAUGA CITY ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::	7-0771-93- 93 9/3/1993 Municipal water Approved 				

<u>20</u>	1 of 1	N/238.5	95.8	255 & 265 NORTH SERVICE ROAD MISSISSAUGA ON	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: Addit. Info Ordered:: Report Date: Report Type: Search Radius (km):	 20081010018 10/22/2008 Standard Report 0.25				

Unplottable Summary

Total: 7 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 14 Con 2	Peel ON	
AAGR		Lot 13 Con 2	Peel ON	
CA	PEEL NON-PROFIT HOUSING CORP.	BLOCK 2, PT. LOT 15, CONC. 2	MISSISSAUGA CITY ON	
CA	The Regional Municipality of Peel	Camilla Place	Mississauga ON	
SPL	The Corporation of the City of Mississauga	at Camilla Place	Mississauga ON	
SPL	SHIPPIGAN FISHERIES	QEW TRANSPORT TRUCK (CARGO)	MISSISSAUGA CITY ON	
WWIS		lot 14	ON	

Unplottable Report

Site: Lot 14 Con 2 Peel ON

Database:
[AAGR](#)

Type:
Region/County: Wellington
Township: Peel
Concession:: 2
Lot:: 14
Size (ha)::
Landuse::
Comments:: naturally rehabilitated

Site: Lot 13 Con 2 Peel ON

Database:
[AAGR](#)

Type:
Region/County: Wellington
Township: Peel
Concession:: 2
Lot:: 13
Size (ha)::
Landuse::
Comments:: naturally rehabilitated

Site: PEEL NON-PROFIT HOUSING CORP.
BLOCK 2, PT. LOT 15, CONC. 2 MISSISSAUGA CITY ON

Database:
[CA](#)

Certificate #: 8-3121-91-
Application Year: 91
Issue Date: 12/19/1991
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: INSTALL 400 KW KOHLER DIESEL GENERATOR
Contaminants:: Nitrogen Oxides
Emission Control:: Silencer, Noise Control - Acoustic Louvre, Muffler,

Site: The Regional Municipality of Peel
Camilla Place Mississauga ON

Database:
[CA](#)

Certificate #: 6426-66LQ5X
Application Year: 2004
Issue Date: 11/15/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::

Contaminants::
Emission Control::

Site: The Corporation of the City of Mississauga
at Camilla Place Mississauga ON

Database:
[SPL](#)

Ref No:	4787-A3JM2U	Site Address:	at Camilla Place
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	Mississauga
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	Unknown / N/A
MOE Reported Dt:	10/22/2015	Source Type:	
Health/Env Conseq:		Receiving Medium:	
Incident Dt:	10/22/2015	Receiving Env:	
Incident Cause:		Environment Impact:	
Incident Event:		Nature of Impact:	
Incident Reason:	Unknown / N/A	SAC Action Class:	Watercourse Spills
Incident Summary:	Cooksville Creek: sheen observed, no source		

Site: SHIPPIGAN FISHERIES
QEW TRANSPORT TRUCK (CARGO) MISSISSAUGA CITY ON

Database:
[SPL](#)

Ref No:	31678	Site Address:	
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	21102
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	3/6/1990	Source Type:	
Health/Env Conseq:		Receiving Medium:	LAND
Incident Dt:	3/6/1990	Receiving Env:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	Environment Impact:	POSSIBLE
Incident Event:		Nature of Impact:	Soil contamination
Incident Reason:	ADVERSE ROAD CONDITION	SAC Action Class:	
Incident Summary:	SHIPPIGAN FISHERIES: 150LDIESEL FUEL TO ROADWAY		

Site: lot 14 ON

Database:
[WWIS](#)

Well ID:	4904642	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Livestock	Date Received:	5/21/1975
Sec. Water Use:		Selected Flag:	1
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3406
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	WELLINGTON
Elevation (m):		Municipality:	PEEL TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	014
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: 10319423
DP2BR: 15
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na
Org CS:
Date Completed: 3/27/1975

Overburden and Bedrock**Materials Interval**

Formation ID: 932046574
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 15.00
Formation End Depth UOM: ft

Formation ID: 932046575
Layer: 2
Color: 3
General Color: BLUE
Mat1: 17
Most Common Material: SHALE
Mat2: 15
Other Materials: LIMESTONE
Mat3:
Other Materials:
Formation Top Depth: 15.00
Formation End Depth: 56.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964904642
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10867993
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930527303
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 56.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 994904642
Pump Set At:
Static Level: 28.00
Final Level After Pumping: 47.00
Recommended Pump Depth: 49.00
Pumping Rate: 6.00
Flowing Rate:
Recommended Pump Rate: 5.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 24
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934259651
Test Type:
Test Duration: 15
Test Level: 28.00
Test Level UOM: ft

Pump Test Detail ID: 934533763
Test Type:
Test Duration: 30
Test Level: 28.00
Test Level UOM: ft

Pump Test Detail ID: 934779532
Test Type:
Test Duration: 45
Test Level: 28.00
Test Level UOM: ft

Pump Test Detail ID: 935044479
Test Type:
Test Duration: 60
Test Level: 28.00
Test Level UOM: ft

Water Details

Water ID: 933792672
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 56.00
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 2017

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-May 2017

Borehole:

Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval:

Provincial [CA](#)

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks:

Provincial

CFOT

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

Government Publication Date: 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-May 2017

Compressed Natural Gas Stations:

Private

CNG

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

Government Publication Date: Dec 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial

COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial

CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Sep 2017

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-Oct 2017

Drill Hole Database:

Provincial

DRL

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

Government Publication Date: 1886-Aug 2015

Environmental Activity and Sector Registry:

Provincial

EASR

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

Government Publication Date: Oct 2011-Oct 2017

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-Oct 2017

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-Oct 2017

Environmental Effects Monitoring:

Federal

EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

EHS

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

Government Publication Date: 1999-Aug 2016

Environmental Issues Inventory System:

Federal

EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

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 with removed tanks which were once 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 automatically fall under the expired facilities inventory held by TSSA.

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-Mar 2017

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-Apr 2015

Fuel Storage Tank:

Provincial

FST

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

Government Publication Date: 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-Jun 2017

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 2015

TSSA Historic Incidents:

Provincial

HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial

INC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 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: Dec 31, 2013

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Feb 2017

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board 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 -Jun 2017

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-Sep 2017**Ontario Oil and Gas Wells:**

Provincial

OOGW

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

Government Publication Date: 1800-Oct 2017**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-Oct 2017**Canadian Pulp and Paper:**

Private

PAP

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: 1988-Aug 2017

TSSA Pipeline Incidents:

Provincial PINC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: 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-Oct 2017

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-Aug 2017

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-May 2017

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-Jun 2017

Wastewater Discharger Registration Database:

Provincial

SRDS

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

Government Publication Date: 1990-2014

Anderson's Storage Tanks:

Private

TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

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

Government Publication Date: 1970-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

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.

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 ERI'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 31, 2017

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 ERI'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: Mar 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.

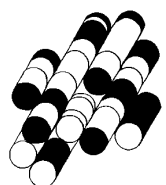
Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number 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 F

TERRAPROBE INC.



Regulation Mapping: Credit Valley Conservation

Good morning, please use the search box below. If you want to see the address of a parcel, please uncheck all other layers and click on the parcel;

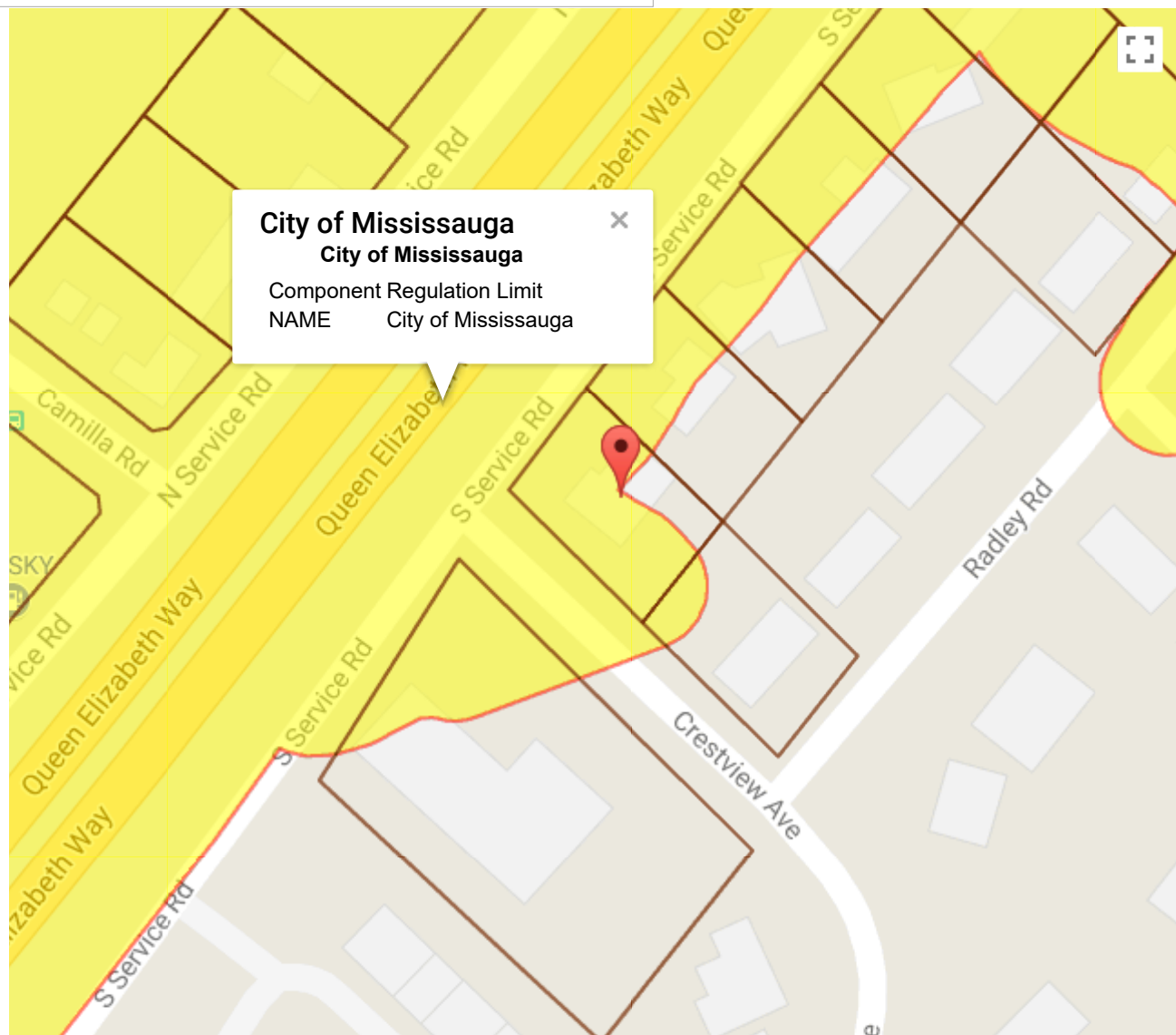
Print the map

200 South service rd, mississauga, ON

Search

- ☐ Watershed Boundary
- ☐ Parcel Boundary
- ☐ Generic Regulation Limit

- ☒ Watershed
- ☒ Mono, Amaranth, Orangeville & E. Garafraxa: Regulation
- ☒ Mono, Amaranth, Orangeville & E. Garafraxa: Parcels
- ☒ Erin:Regulation
- ☒ Erin:Parcels
- ☒ Caledon North:Regulation
- ☐ Caledon South:Regulation
- ☐ Caledon:Parcels
- ☐ Halton Hills:Regulation
- ☐ Halton Hills:Parcels
- ☐ Brampton:Regulation
- ☐ Brampton:Parcels
- ☒ Mississauga:Regulation
- ☒ Mississauga North Parcels
- ☒ Mississauga Central Parcels
- ☒ Mississauga South Parcels
- ☐ Oakville:Parcels & Regulation





Sources: CVC, Google Maps and © Queen's Printer for Ontario and its licensors. [2014] May Not be Reproduced without Permission. THIS IS NOT A PLAN OF SURVEY.

Please include the full address in your search above (i.e. 1255 Old Derry Road, Mississauga, ON). You can click on each individual layer (e.g. Regulations within Brampton) to determine if the location you are interested in falls within a regulation limit. You can click on the map for more information about each polygon.

(Note: Chrome & Mozilla Firefox are the preferred browsers. If you are using Internet Explorer, make sure that the javascript is enabled. If you see a yellow bar, either simply right click and allow the blocked content or do it permanently: tools>Internet option>advanced>under security>allow active content to run on my computer).

From: Marinas, Maricris <mmarinas@creditvalleyca.ca>
Sent: Tuesday, December 5, 2017 4:32 PM
To: aschittenhelm@terraprobe.ca
Subject: RE: Credit Valley Regulated Area 1-17-0877-41

Hi Alex,

To provide context with regards to the subject lands, based on the existing floodplain mapping for Cooksville Creek the lands appear to be outside the floodplain associated with Cooksville Creek but appeared to be within the area of spill. However, based on best current available information the subject site is outside of the spill area as long as the existing grade of 99.0m is maintained along the entire property. Please note that 2D modeling will be available for this area in the near future. CVC recommends that the applicant contact CVC in approximately 6 months as better information will be available at that time.

Furthermore, the subject lands are not regulated by CVC thus does not require a CVC permit.

Please feel free to contact me should you have any questions.

Regards,
Maricris

Maricris Marinas, M.Sc.
Planner, Planning and Development Services | Credit Valley Conservation

From: Alex Schittenhelm [<mailto:aschittenhelm@terraprobe.ca>]
Sent: December 4, 2017 11:12 AM
To: James, Eric
Subject: Credit Valley Regulated Area 1-17-0877-41

Good Morning Eric,

I contacted the Credit Valley planning department via email approximately two weeks ago with no response so I thought I would follow up with you as I was forwarded your contact information from a colleague. I am currently completing a Phase One Site Assessment on 200 South Service Rd & 201 Radley Rd in Mississauga, ON, and have found that both properties partially lie within a Credit Valley Generic Regulated Area. I was hoping you could confirm this, and tell me specifically how the site is regulated. I appreciate any help on the matter.

I have attached a few maps of the site for your reference.

Cheers,

Alex Schittenhelm, EIT
Environmental Engineering

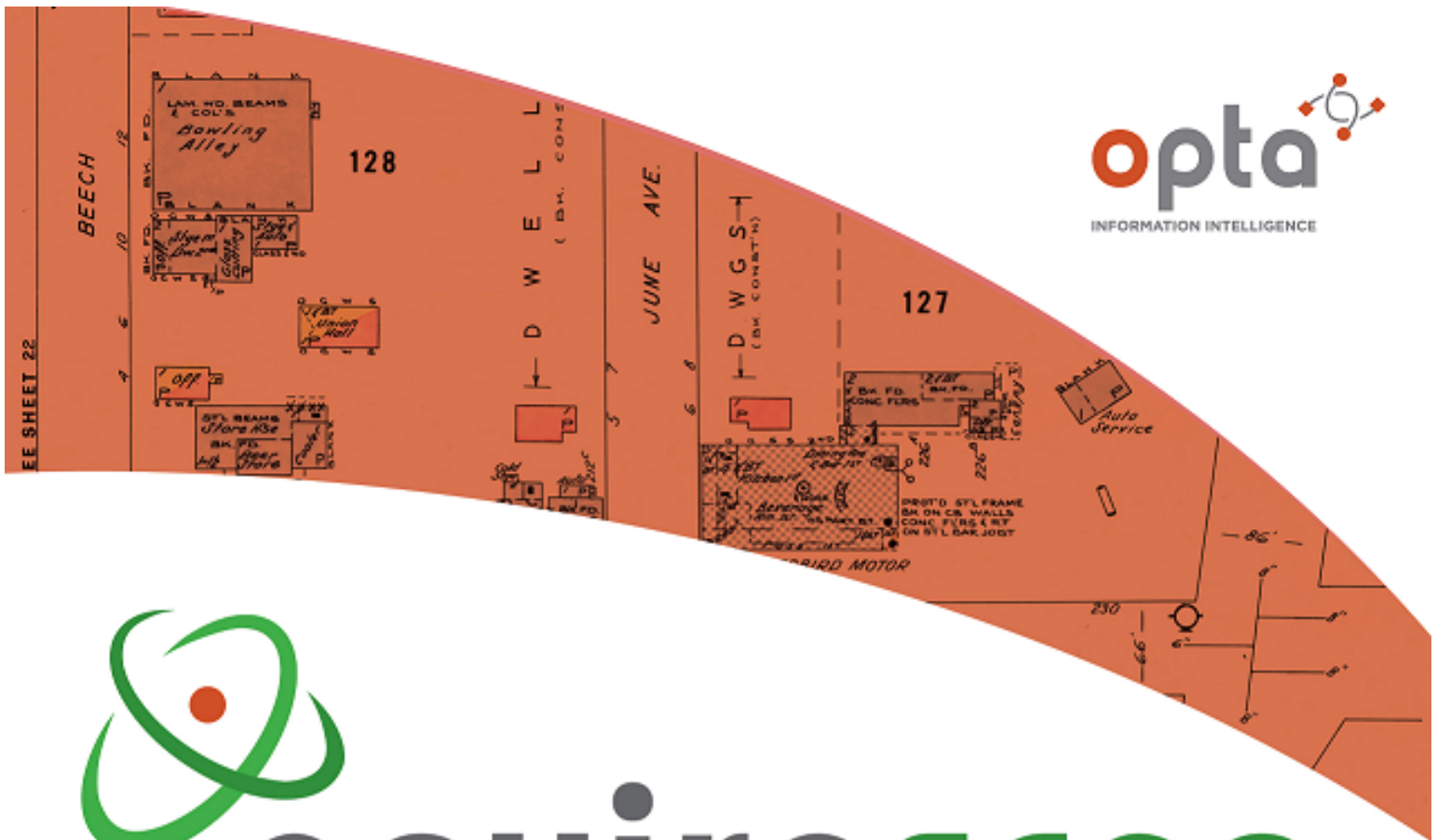
Terraprobe

Geotechnical, Geostuctural, & Environmental Engineering
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11 Indell Lane, Brampton, Ontario L6T 3Y3
t: [905.796.2650](tel:905.796.2650) f: [905.796.2250](tel:905.796.2250)

www.terraprobe.ca

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enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

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

Report Completed By:

Anthony

Site Address:

200 South Service Road Mississauga ON

Project No:

20171205077

Opta Order ID:

43654

Requested by:

**Eleanor Goolab
Ecolog ERIS**

Date Completed:

12/12/2017 7:42:54 AM



Opta Historical Environmental Services EnviroscanTM Terms and Conditions

Report

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

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Entire Agreement

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

Governing Document

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

Law

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

Page: 4

Project Name: 200 South Service
Rd and 201 Radley Rd
Mississauga

Project #: 20171205077

P.O. #: 117087741

ENVIROSCAN Report

Report Index

Requested by:

Eleanor Goolab

Date Completed: 12/12/2017 07:42:54



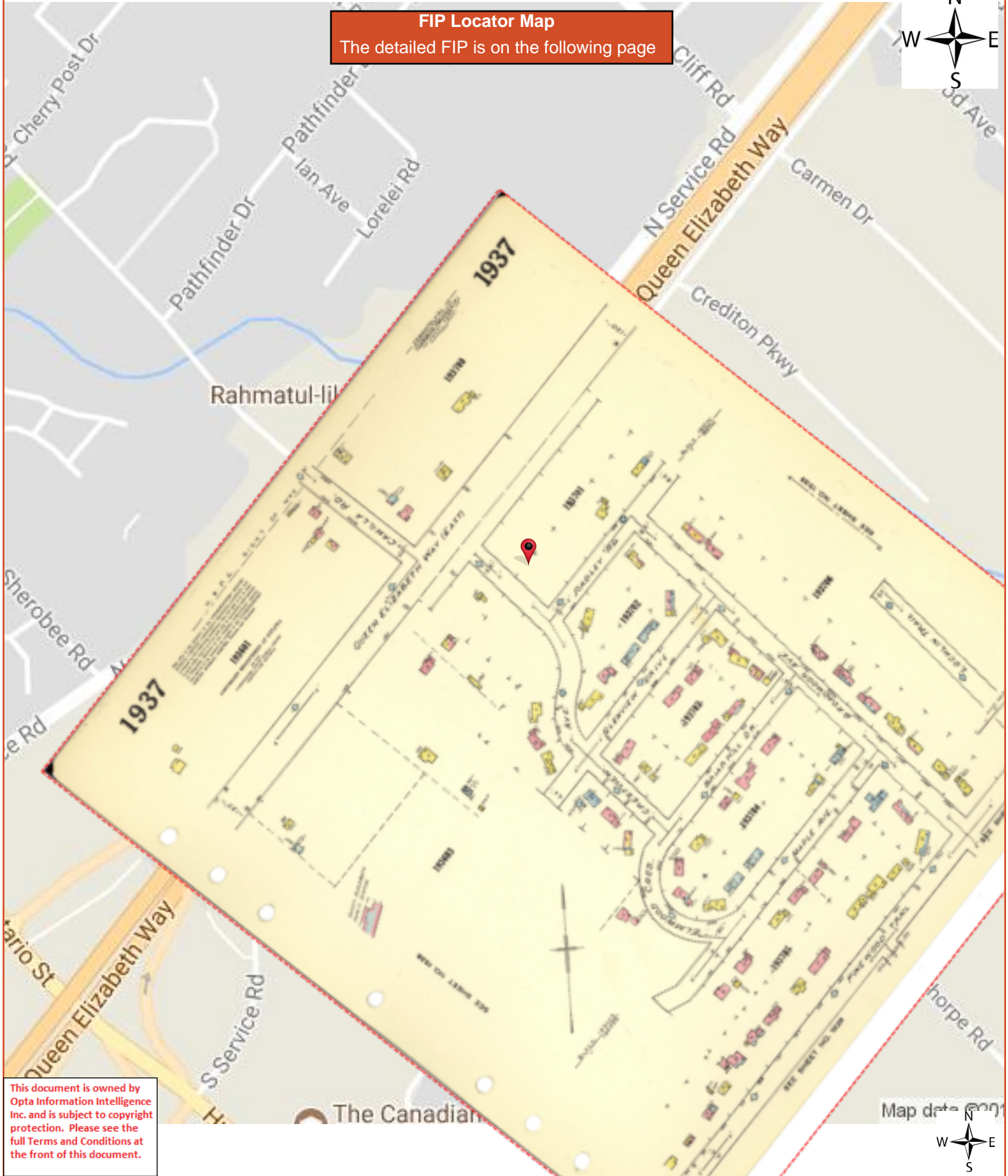
OPTA INFORMATION INTELLIGENCE

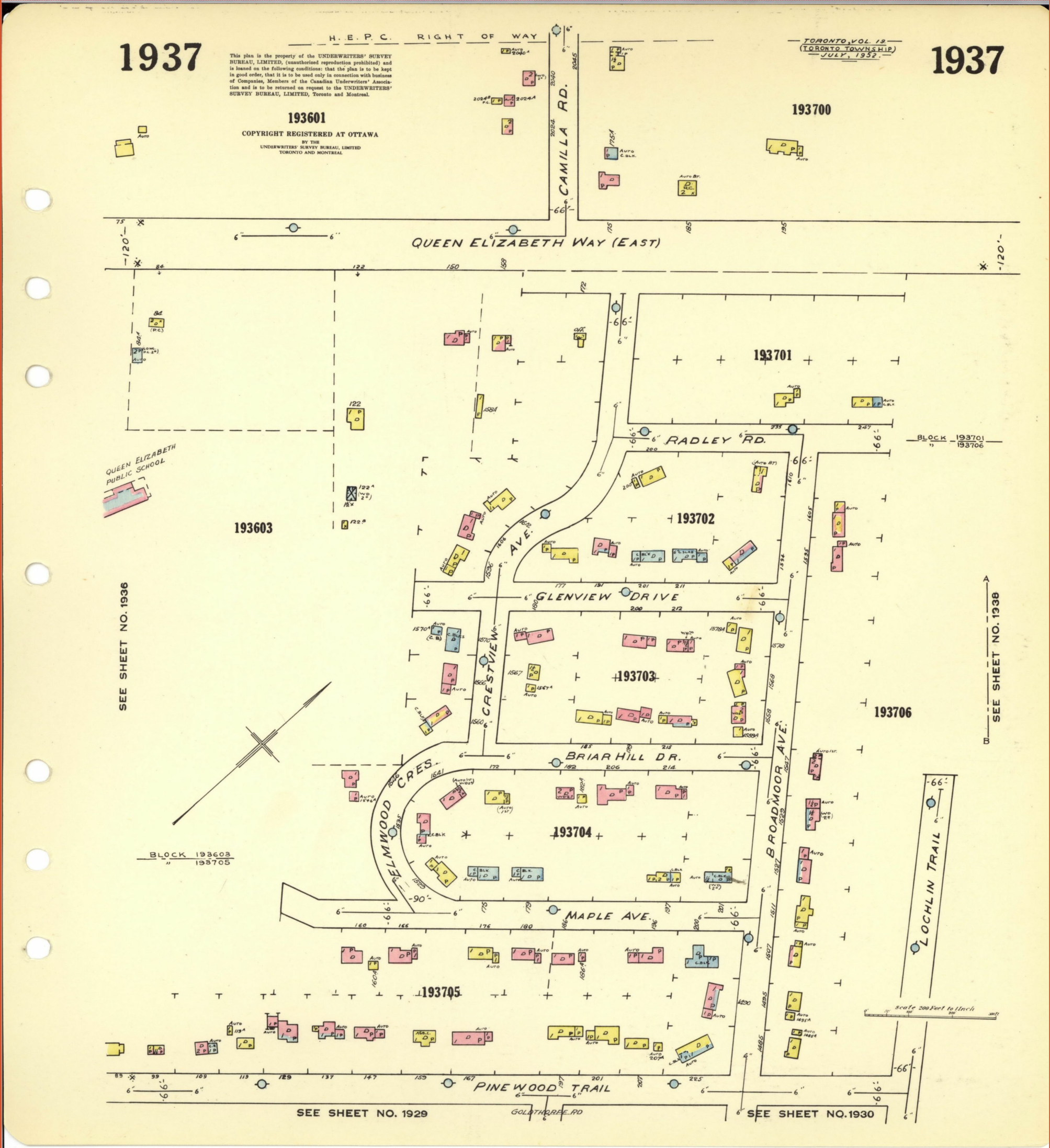
Page Report Title

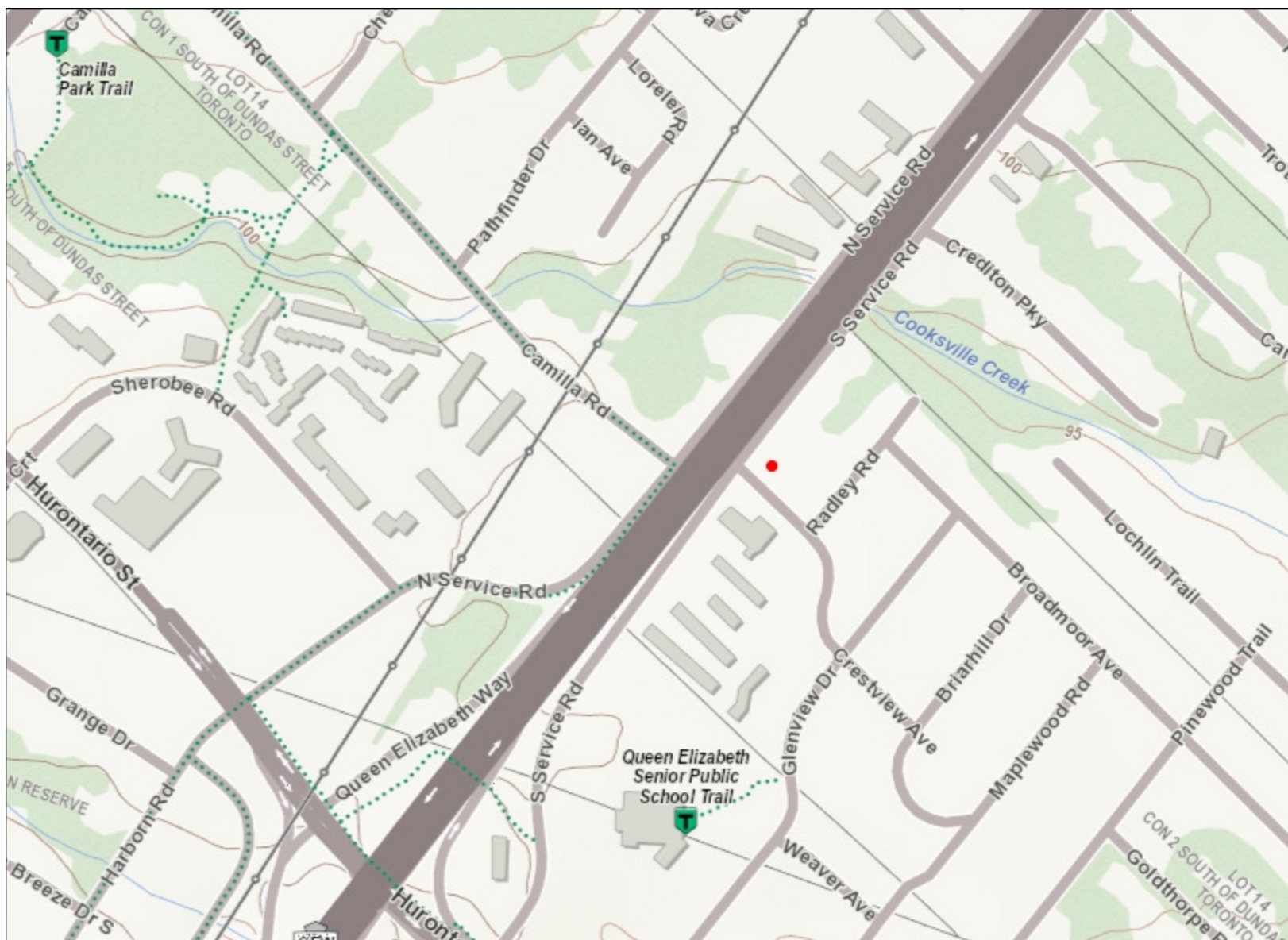
6 (1952) Volume: Toronto Volume 19 Firemap: 1937



FIP Locator Map
The detailed FIP is on the following page







Legend

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

0.5 0 0.23 0.5 Kilometers

Scale: 1 : 9,027



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

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From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Thursday, November 23, 2017 12:04 PM
To: Alex Schittenhelm
Subject: RE: TSSA Search Inquiry 1-17-0877-41

Hello Alex,

Thank you for your inquiry.

I have searched the below noted address (addresses) and I have located the following record:

- 155 North Service Road, Mississauga, Ontario: 1 active cylinder exchange, 4 active fuel tanks, 1 active full serve gas station, 1 expired full serve gas station.

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

Thank you and have a great day,

Sherees



Sherees Thompson | Public Information Agent

Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: sthompson@tssa.org
www.tssa.org



From: Alex Schittenhelm [mailto:aschittenhelm@terraprobe.ca]
Sent: November 22, 2017 9:36 AM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: TSSA Search Inquiry 1-17-0877-41

Good Afternoon,

I am doing a Phase One Assessment and would like to request a preliminary basic record search for the following properties in Mississauga, Ontario please:

200, 210, 220 South Service Rd

155, 173, 205, 255 North Service Rd

201, 211 Radley Rd

1640 Crestview Ave

If you require any additional information, please let me know.

Thank you,

Alex Schittenhelm, EIT

Environmental Engineering

Terraprobe

Geotechnical, Geostuctural, & Environmental Engineering

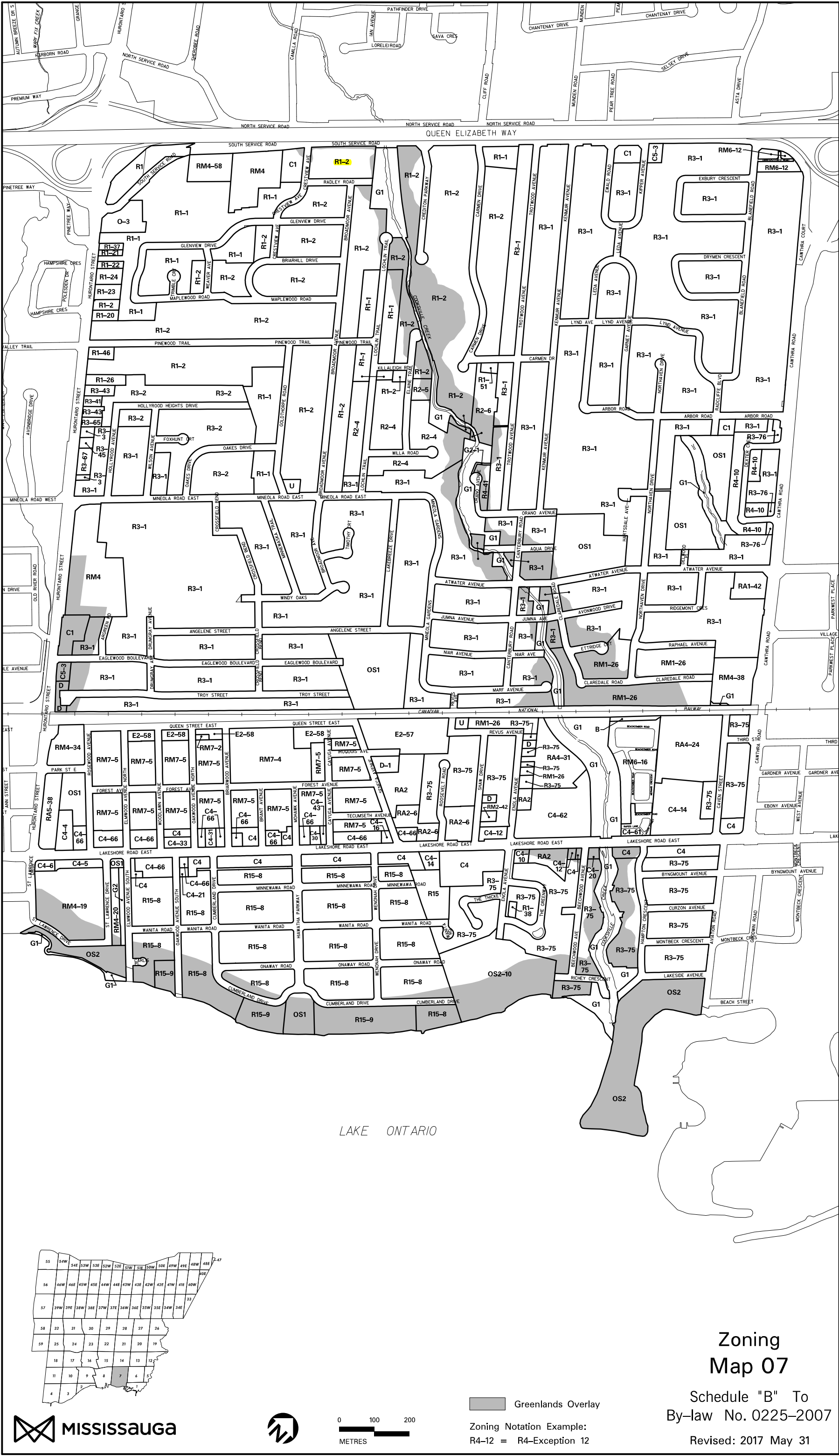
Construction Materials, Inspection & Testing

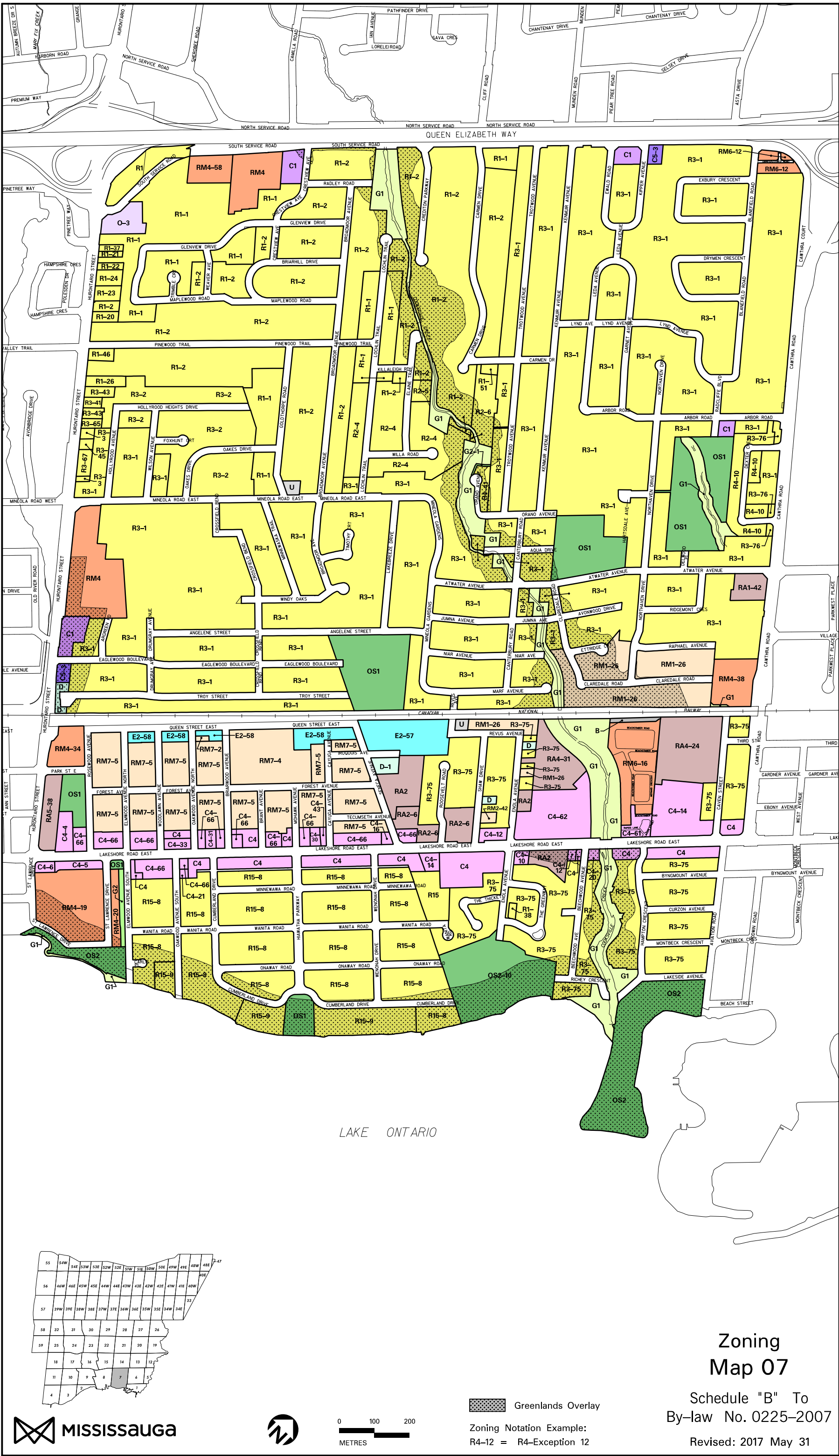
11 Indell Lane, Brampton, Ontario L6T 3Y3

t: [905.796.2650](tel:905.796.2650) f: [905.796.2250](tel:905.796.2250)

www.terraprobe.ca

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







Freedom of Information Request

This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on the completion and use of this form. Our fax no. is (416) 314-4285.

Requester Data			For Ministry Use Only	
Name, Title, Company Name and Mailing Address of Requester Alex Schittenhelm Terraprobe Inc. 11 Indell Lane Brampton, ON. L6T 3Y3 Email Address: aschittenhelm@terraprobe.ca			FOI Request No.	Date Request Received
			Fee Paid <input type="checkbox"/> ACCT <input type="checkbox"/> CHQ X VISA-MC <input type="checkbox"/> CASH	
Telephone/Fax Nos. Tel : (905) 796-2650 Fax : (905) 796-2250	Your Project/Reference No. 1-17-0877-41	Signature of Requester AS Dec. 5, 2017	<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> SAC <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/> EMR <input type="checkbox"/> SWA	
Request Parameters				
Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns or regions) 200 South Service Road/Lot 93 Plan 409, Brampton, Ontario (Save & Except Part 4 Plan 43R-29085)				
Present Property Owner(s) and Date(s) of Ownership Aug. 2017 – 10298786 Canada Inc.				
Previous Property Owner(s) and Date(s) of Ownership Nov. 2016 – Trnboss Holdings Ltd.; Nov. 2016 – Stan Cotoia; July 1981 – Celestino Cotoia; Apr. 1977 – Vitantonio Sigrisi; July 1975 – Leslie W. G. Elford & Edith M. Elford; ... July 1960 – Chartered Trust Company; Apr. 1950 Brian R. B. Magee; May 1943 – Margaret Naish; Aug. 1887 – Benjamin F. R. Holdthrope; Apr. 1879 – John Holdthrope;				
Present/Previous Tenant(s), (if applicable) N/A				
Search Parameters			Specify Year(s) Requested	
Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.				
Environmental concerns (General correspondence, occurrence reports, abatement)			All Years	
Orders			All Years	
Spills			All Years	
Investigations/prosecutions ▶ Owner AND tenant information must be provided			All Years	
Waste Generator number/classes			All Years	
Certificates of Approval ▶ Proponent information must be provided				
1985 and prior records are searched manually. Search fees in excess of \$300.00 could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number (s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.				
	SD	Specify Year(s) Requested		
air - emissions		1986- present		
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)		1986- present		
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations		1986- present		
waste water - industrial discharge		1986- present		
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites		1986- present		
waste systems - PCB destruction, mobile waste processing units, haulers, sewage, non-hazardous & hazardous waste		1986- present		
pesticides - licenses		1986- present		

A \$5.00 non-refundable application fee, payable to the Minister of Finance, is mandatory. The cost of locating on-site and/or preparing any record is \$30.00/hour and 20 cents/page for photocopying and you will be contacted for approval for fees in excess of \$30.00.



Freedom of Information Request

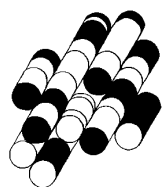
This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on the completion and use of this form. Our fax no. is (416) 314-4285.

Requester Data			For Ministry Use Only	
Name, Title, Company Name and Mailing Address of Requester Alex Schittenhelm Terraprobe Inc. 11 Indell Lane Brampton, ON. L6T 3Y3 Email Address: aschittenhelm@terraprobe.ca			FOI Request No.	Date Request Received
			Fee Paid <input type="checkbox"/> ACCT <input type="checkbox"/> CHQ X VISA-MC <input type="checkbox"/> CASH	
Telephone/Fax Nos. Tel : (905) 796-2650 Fax : (905) 796-2250	Your Project/Reference No. 1-17-0877-41	Signature of Requester AS Dec. 5, 2017	<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> SAC <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/> EMR <input type="checkbox"/> SWA	
Request Parameters				
Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns or regions) 201 Radley Road/Lot 74 Plan 409, Brampton, Ontario				
Present Property Owner(s) and Date(s) of Ownership July. 2017 – 10299839 Canada Inc.				
Previous Property Owner(s) and Date(s) of Ownership May 2014 – Chao Miao Chen; Oct. 2009 – Domenic De Marco & Valentina De Marco; Oct. 1993 – Gerald Bungay & Emma Bungay; Apr. 1993 – Gene Lesley Comassar; May 1991 – Gene Lesley Comassar & Meir Yosef Benari;...; July 1950 – Chartered Trust Company; Apr. 1950 – Brian R. B. Magee; May 1943 – Margaret Naish; Aug. 1887 – Benjamin F. R. Holdthorpe; Apr. 1879 – John Holdthorpe				
Present/Previous Tenant(s), (if applicable) N/A				
Search Parameters			Specify Year(s) Requested	
Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.				
Environmental concerns (General correspondence, occurrence reports, abatement)			All Years	
Orders			All Years	
Spills			All Years	
Investigations/prosecutions ▶ Owner AND tenant information must be provided			All Years	
Waste Generator number/classes			All Years	
Certificates of Approval ▶ Proponent information must be provided				
1985 and prior records are searched manually. Search fees in excess of \$300.00 could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number (s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.				
	SD	Specify Year(s) Requested		
air - emissions		1986- present		
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)		1986- present		
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations		1986- present		
waste water - industrial discharge		1986- present		
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites		1986- present		
waste systems - PCB destruction, mobile waste processing units, haulers, sewage, non-hazardous & hazardous waste		1986- present		
pesticides - licenses		1986- present		

A \$5.00 non-refundable application fee, payable to the Minister of Finance, is mandatory. The cost of locating on-site and/or preparing any record is \$30.00/hour and 20 cents/page for photocopying and you will be contacted for approval for fees in excess of \$30.00.

APPENDIX G

TERRAPROBE INC.





SCALE 0 100 200m



Terraprobe

11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title:

AERIAL PHOTOGRAPH

File No.

1-17-0877-41

YEAR :

1954



SCALE 0 50 100m



Terraprobe

11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title:

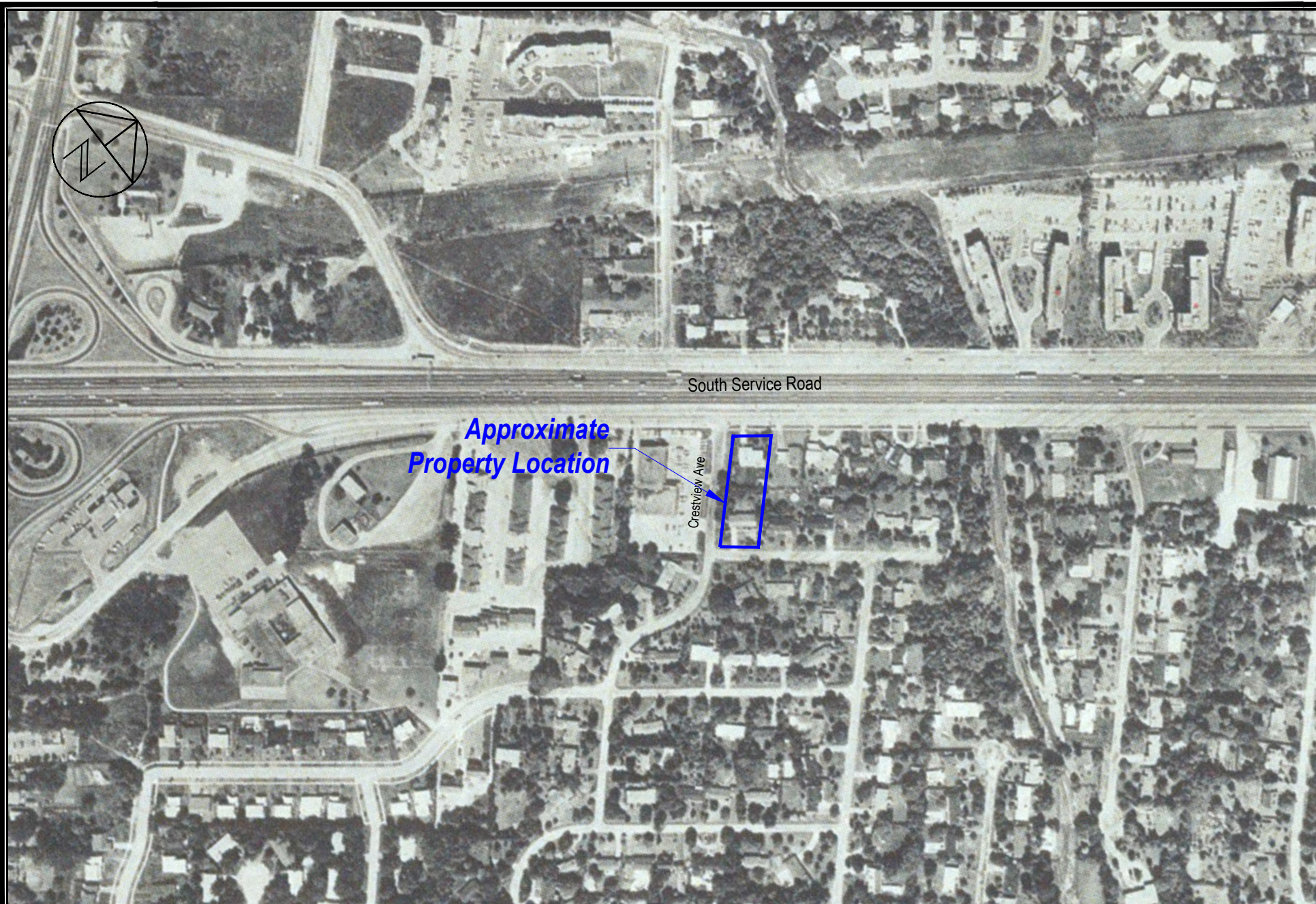
AERIAL PHOTOGRAPH

File No.

1-17-0877-41

YEAR :

1966



South Service Road

Approximate
Property Location

Crestview Ave

SCALE 0 50 100m



Terraprobe

11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title:

AERIAL PHOTOGRAPH

File No.

1-17-0877-41

YEAR :

1978



SCALE 0 30 60m



Terraprobe

11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title:

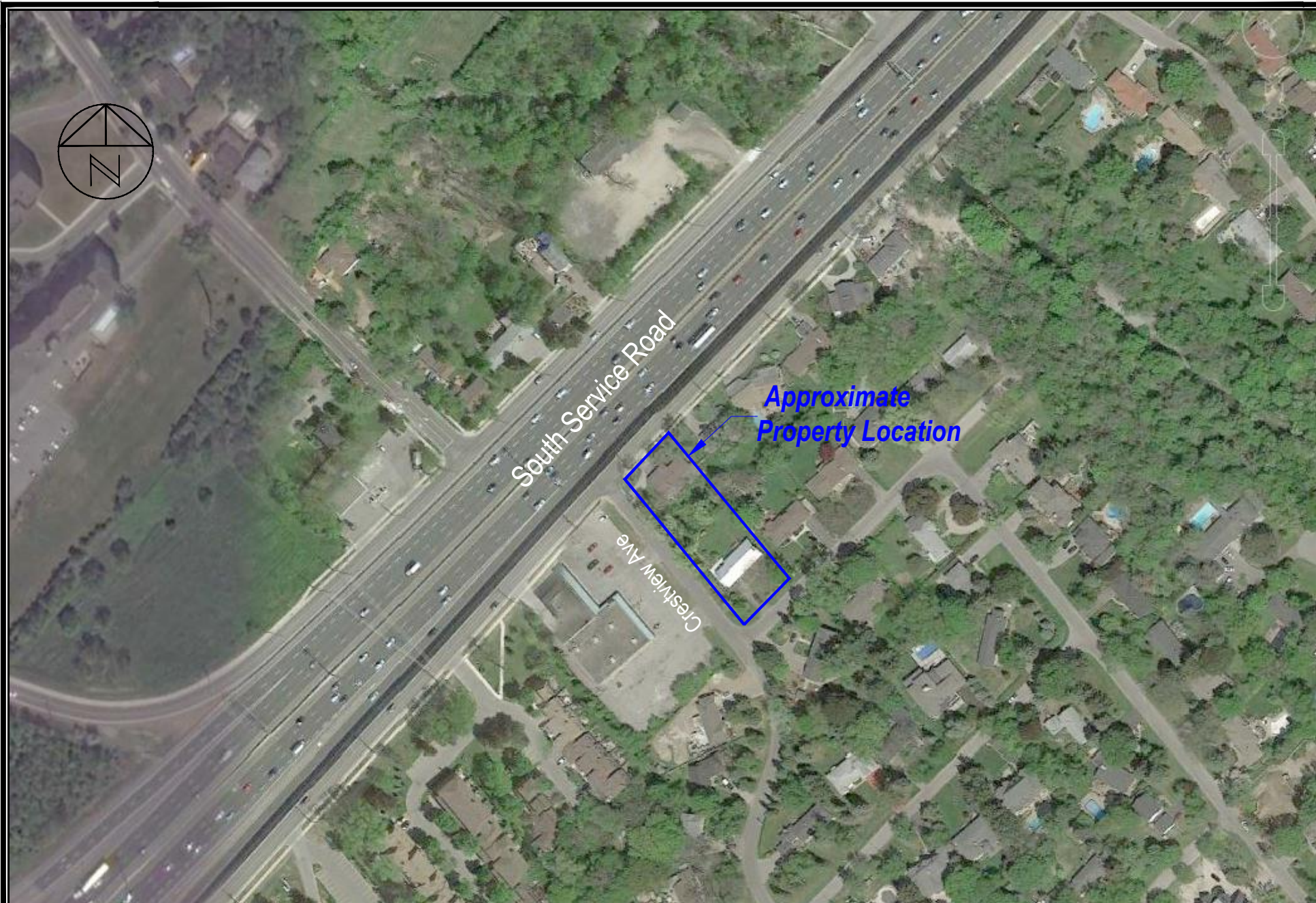
SATELLITE IMAGE

File No.

1-17-0877-41

YEAR :

2002



SCALE 0 30 60m



Terraprobe

11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title:

SATELLITE IMAGE

File No.

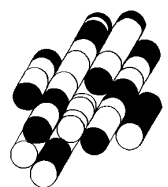
1-17-0877-41

YEAR :

2015

APPENDIX H

TERRAPROBE INC.

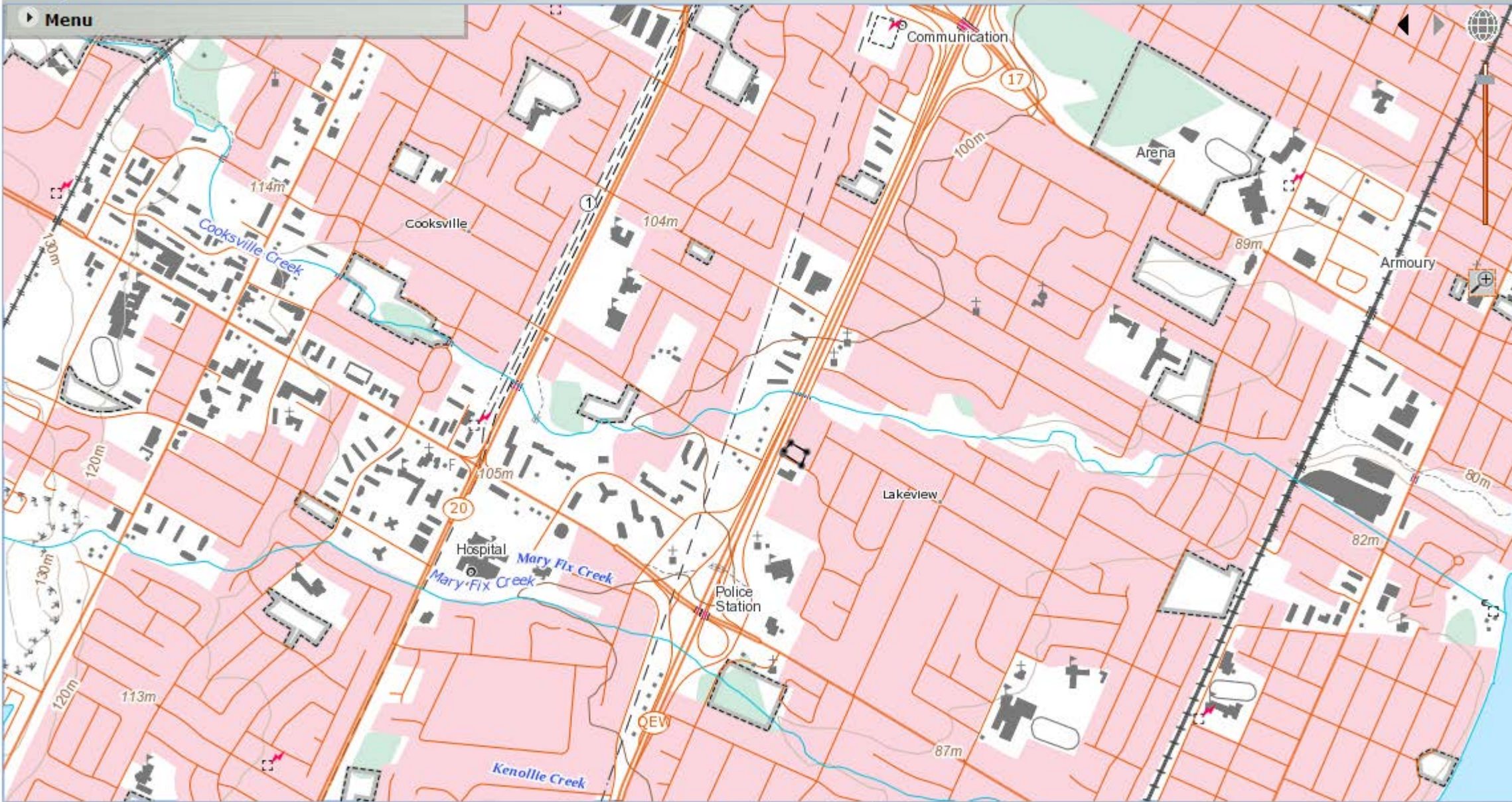
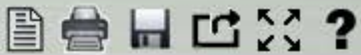


The Atlas of Canada - Toporama

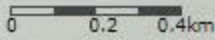
▶ Instructions: Keyboard Navigation ?

Toporama

▶ Menu



Position: 43° 33' 35" N | 79° 34' 23" W
43.560 N | 79.573 W





[Help](#)
[and](#)
[How to download data](#)



Data Copyright (C) Ontario Government. Map created with ArcIMS.

- Legend**
- Contour Line Labels
 - ArcCanada Named Places
 - Lower Tier Municipality Names
 - Building Points
 - Spot Height
 - Towers
 - Utility Points
 - Contour Lines
 - Railroads
 - Trails
 - Roads
 - Primary
 - Secondary
 - Tertiary
 - Transportation Lines
 - Utility Lines
 - Drainage Lines
 - Water Structure
 - Water Segments (Northeast)
 - Water Segments (Northwest)
 - Water Segments (South Central)
 - Miscellaneous Lines
 - Airport Runways
 - Building Footprints
 - Mines
 - Pits and Quarries
 - Tanks
 - Concessions
 - Lots
 - Water Polygons (Northeast)
 - Waterbody Segment
 - Wetland Area, Permanent
 - Water Polygons (Northwest)
 - Waterbody Segment
 - Wetland Area, Permanent
 - Water Polygons (South Central)
 - Waterbody Segment



**9c Coarse-textured
glaciolacustrine deposits**
*sand, gravel, minor silt and clay
Foreshore and basinal deposits*

200 S Service Rd & 201 Radley Rd, Mississauga

Glaciolacustrine deposits

sand, gravelly sand and gravel,
nearshore and beach deposits
Pleistocene

Directions: [To here](#) - [From here](#)

200 S Service Rd & 201 Radley Rd, Mississauga



41 Iroquois Plain
Iroquois Plain

200 S Service Rd & 201 Radley Rd, Mississauga

Click and drag to rotate, or click "N" to reset to north



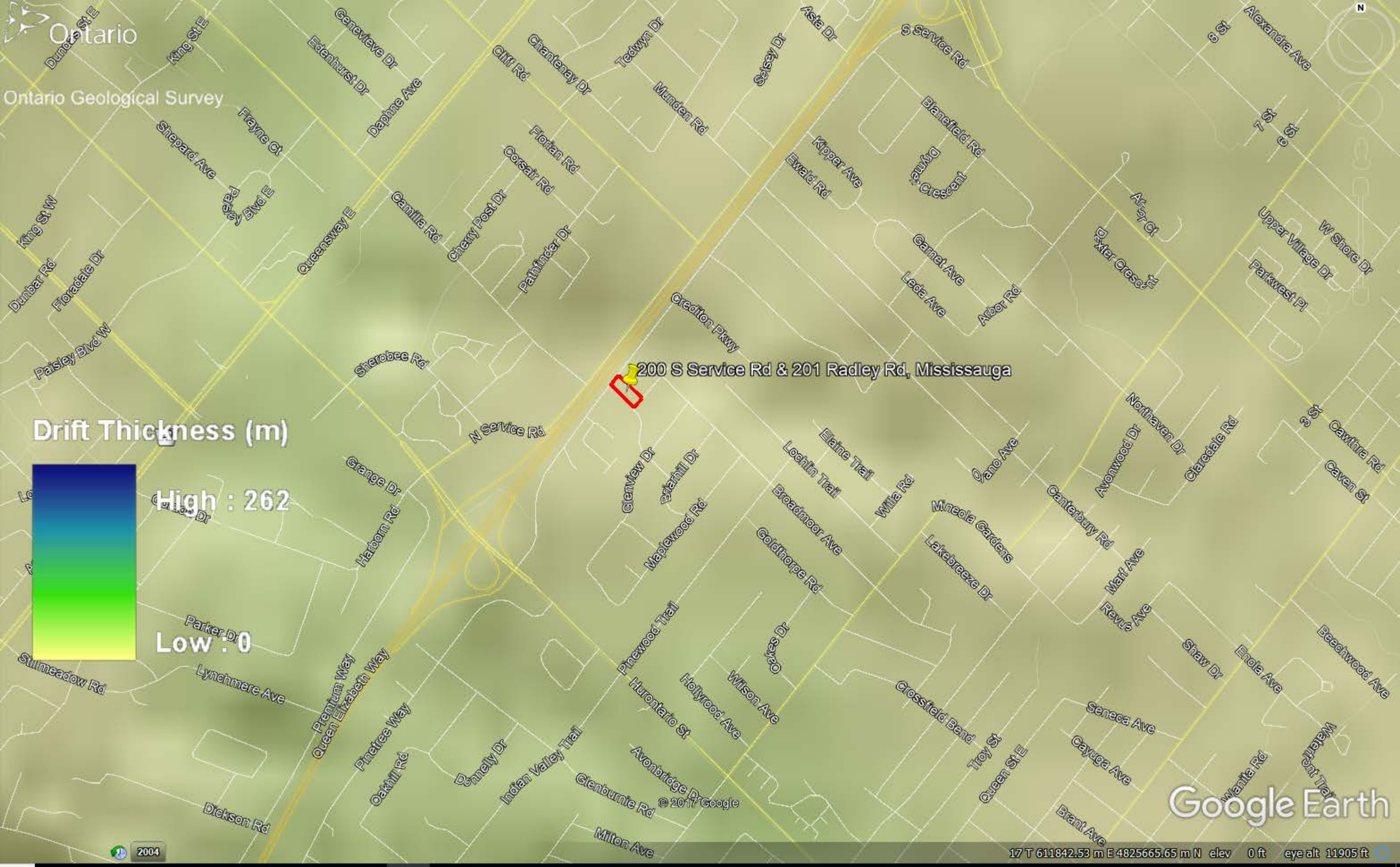
11 Sand Plains

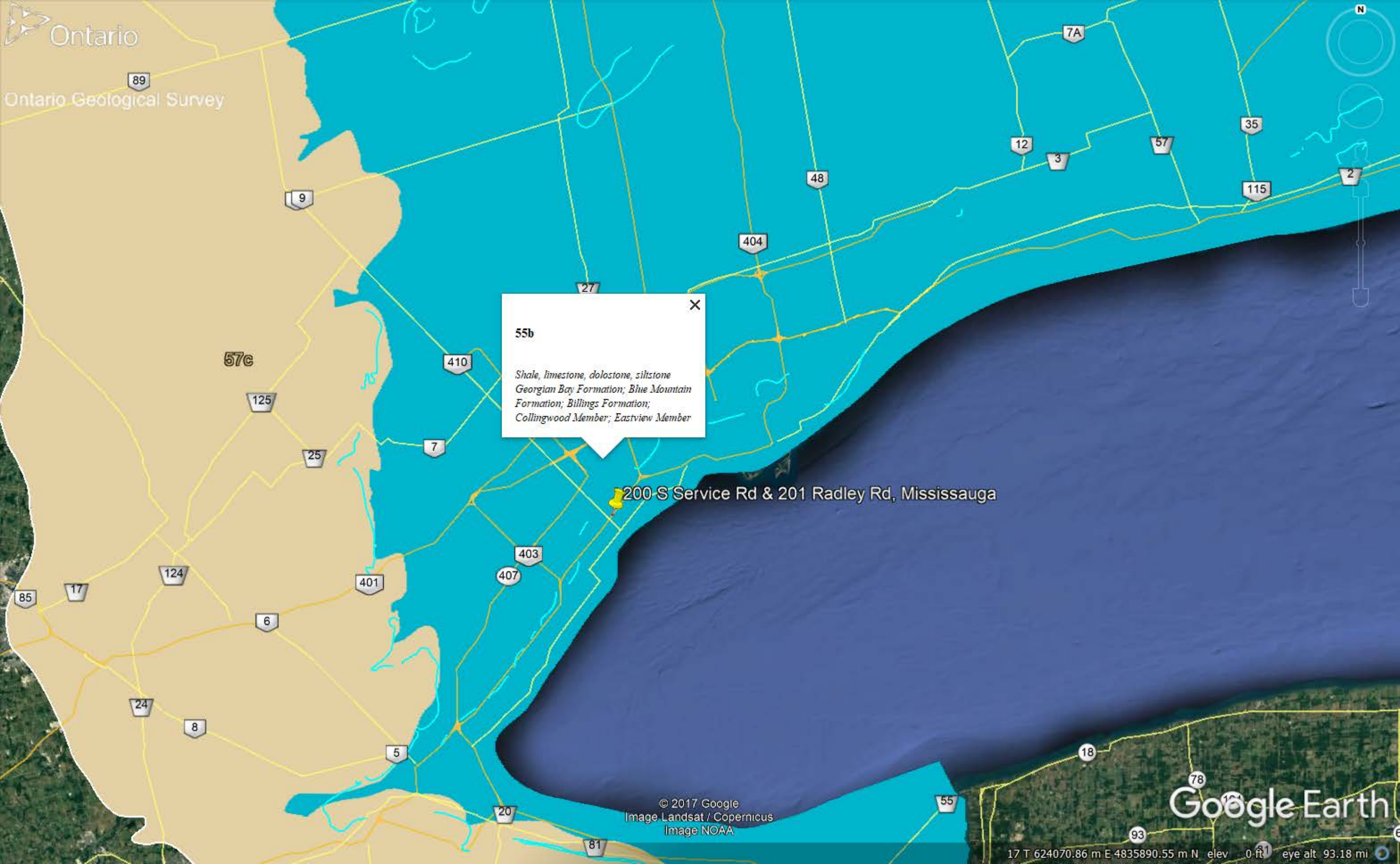
Sand Plains

200 S Service Rd & 201 Radley Rd, Mississauga



Google Earth





Ontario

89

Ontario Geological Survey

9

7A

12

3

57

35

115

2

48

404

27

55b

Shale, limestone, dolostone, siltstone
Georgian Bay Formation; Blue Mountain
Formation; Billings Formation;
Collingwood Member; Eastview Member

57c

125

25

7

410

200 S Service Rd & 201 Radley Rd, Mississauga

403

407

401

6

124

17

85

24

8

5

20

81

55

18

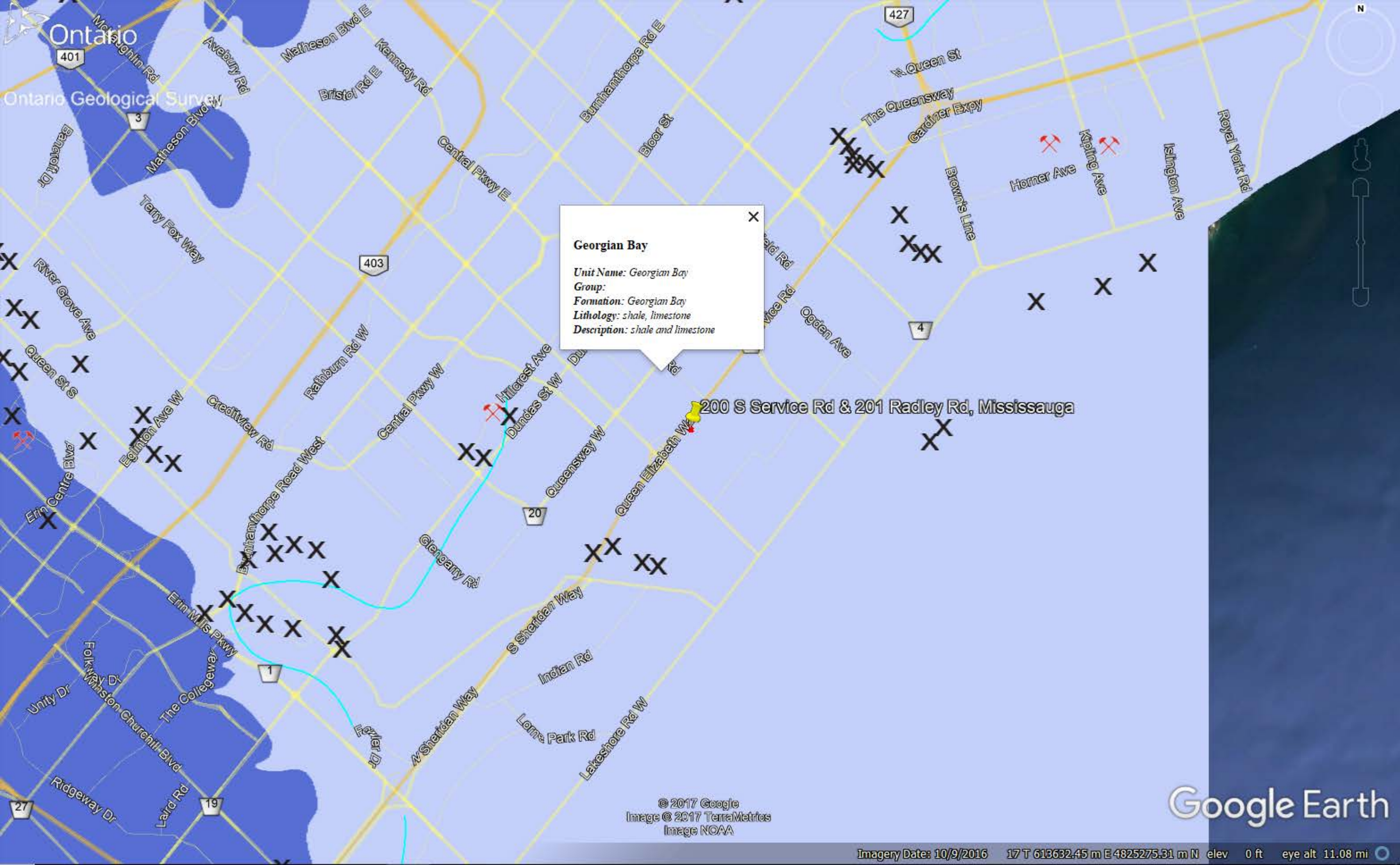
78

93

Google Earth

© 2017 Google
Image Landsat / Copernicus
Image NOAA

17 T 624070.86 m E 4835890.55 m N elev 0 ft eye alt 93.18 mi



Ontario

401

Ontario Geological Survey

3

403

427

4

20

27

19

Georgian Bay

Unit Name: Georgian Bay
Group:
Formation: Georgian Bay
Lithology: shale, limestone
Description: shale and limestone

200 S Service Rd & 201 Radley Rd, Mississauga

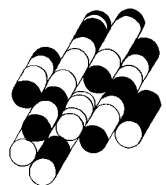
© 2017 Google
Image © 2017 TerraMetrics
Image NOAA

Google Earth

Imagery Date: 10/9/2016 17 T 613632.45 m E 4825275.31 m N elev 0 ft eye alt 11.08 mi

APPENDIX I

TERRAPROBE INC.



Water Well Records

Monday, November 27, 2017

4:02:41 PM

TOWNSHIP CON LOT	UTM	DATE CNTR	CASING DIA	WATER	PUMP TEST	WELL USE	SCREEN	WELL	FORMATION
MISSISSAUGA CITY	17 613314 4825324 W	2014/04 7472	2.04			MO	0008 7	7224918 (Z189558) A163576	BRWN FILL CLAY LOOS 0002 BRWN CLAY SILT PCKD 0011 GREY SHLE PCKD 0015
MISSISSAUGA CITY	17 613467 4825213 W	2013/10 7247	2	UT 0020		MT	0015 11	7218798 (Z179630) A152934	GREY CLAY GRVL SOFT 0005 BRWN TILL GRVL HARD 0012 GREY SHLE HARD 0026
MISSISSAUGA CITY	17 613344 4825285 W	2011/05 6607						7164059 (M08493) A062511 P	
MISSISSAUGA CITY	17 613433 4825242 W	2010/02 7215				TH	0015 10	7141722 (Z110079) A095324	BRWN FILL 0004 BRWN CLAY SHLE WTHD 0010 GREY SHLE WTHD 0020 GREY SHLE WTHD 0025
MISSISSAUGA CITY	17 613316 4825281 W	2009/09 6809	2 2			MT		7134512 (M05861) A079805	BRWN SAND 0005 GREY TILL SHLE 0020

TOWNSHIP CON LOT	UTM	DATE CNTR	CASING DIA	WATER	PUMP TEST	WELL USE	SCREEN	WELL	FORMATION
------------------	-----	-----------	------------	-------	-----------	----------	--------	------	-----------

Notes:
UTM: UTM in Zone, Easting, Northing and Datum is NAD83; L: UTM estimated from Centroid of Lot; W: UTM not from Lot Centroid
DATE CNTR: Date Work Completedand Well Contractor Licence Number
CASING DIA: .Casing diameter in inches
WATER: Unit of Depth in Fee. See Table 4 for Meaning of Code

PUMP TEST: Static Water Level in Feet / Water Level After Pumping in Feet / Pump Test Rate in GPM / Pump Test Duration in Hour : Minutes
WELL USE: See Table 3 for Meaning of Code
SCREEN: Screen Depth and Length in feet
WELL: WEL (AUDIT #) Well Tag . A: Abandonment; P: Partial Data Entry Only
FORMATION: See Table 1 and 2 for Meaning of Code

1. Core Material and Descriptive terms

Code	Description	Code	Description	Code	Description	Code	Description	Code	Description
BLDR	BOULDERS	FCRD	FRACTURED	IRFM	IRON FORMATION	PORS	POROUS	SOFT	SOFT
BSLT	BASALT	FGRD	FINE-GRAINED	LIMY	LIMY	PRDG	PREVIOUSLY DUG	SPST	SOAPSTONE
CGRD	COARSE-GRAINED	FGVL	FINE GRAVEL	LMSN	LIMESTONE	PRDR	PREV. DRILLED	STKY	STICKY
CGVL	COARSE GRAVEL	FILL	FILL	LOAM	TOPSOIL	QRTZ	QUARTZITE	STNS	STONES
CHRT	CHERT	FLDS	FELDSPAR	LOOS	LOOSE	QSND	QUICKSAND	STNY	STONEY
CLAY	CLAY	FLNT	FLINT	LTCL	LIGHT-COLOURED	QTZ	QUARTZ	THIK	THICK
CLN	CLEAN	FOSS	FOSILIFEROUS	LYRD	LAYERED	ROCK	ROCK	THIN	THIN
CLYY	CLAYEY	FSND	FINE SAND	MARL	MARL	SAND	SAND	TILL	TILL
CMTD	CEMENTED	GNIS	GNEISS	MGRD	MEDIUM-GRAINED	SHLE	SHALE	UNKN	UNKNOWN TYPE
CONG	CONGLOMERATE	GRNT	GRANITE	MGVL	MEDIUM GRAVEL	SHLY	SHALY	VERY	VERY
CRYS	CRYSTALLINE	GRSN	GREENSTONE	MRBL	MARBLE	SHRP	SHARP	WBRG	WATER-BEARING
CSND	COARSE SAND	GRVL	GRAVEL	MSND	MEDIUM SAND	SHST	SCHIST	WDFR	WOOD FRAGMENTS
DKCL	DARK-COLOURED	GRWK	GREYWACKE	MUCK	MUCK	SILT	SILT	WTHD	WEATHERED
DLMT	DOLOMITE	GVLV	GRAVELLY	OBDN	OVERBURDEN	SLTE	SLATE		
DNSE	DENSE	GYPS	GYPSUM	PCKD	PACKED	SLTY	SILTY		
DRTY	DIRTY	HARD	HARD	PEAT	PEAT	SNDS	SANDSTONE		
DRY	DRY	HPAN	HARDPAN	PGVL	PEA GRAVEL	SNDY	SANDYOAPSTONE		

2. Core Color

Code	Description
WHIT	WHITE
GREY	GREY
BLUE	BLUE
GREN	GREEN
YLLW	YELLOW
BRWN	BROWN
RED	RED
BLCK	BLACK
BLGY	BLUE-GREY

3. Well Use

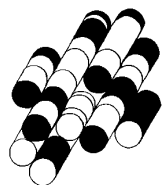
Code	Description	Code	Description
DO	Domestic	OT	Other
ST	Livestock	TH	Test Hole
IR	Irrigation	DE	Dewatering
IN	Industrial	MO	Monitoring
CO	Commercial	MT	Monitoring TestHole
MN	Municipal		
PS	Public		
AC	Cooling And A/C		
NU	Not Used		

4. Water Detail

Code	Description	Code	Description
FR	Fresh	GS	Gas
SA	Salty	IR	Iron
SU	Sulphur		
MN	Mineral		
UK	Unknown		

APPENDIX J

TERRAPROBE INC.



200 South Service Road, Mississauga
TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY
(Refer to clause 16(2)(b), Schedule D, O. Reg. 153/04)

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
2017 - Present	10298786 Canada Inc.	Residential	Residential Use	2017 Site Visit - No significant changes.
2016-2017	Trnboss Holdings LTd.			No Other Observations
2016-2016	Stan Cotoia			
1981-2016	Celestino Cotoia			2004 & 2015 AP - No significant changes. 1985 - 2001 CD - No significant changes.
1977-1981	Vitantonio Sigrisi			1978 AP - No significant changes.
1975-1977	Leslie & Edith Eiford			No Other Observations
1967-1975	Gordon & Ethel Finnigan			
1965-1967	Angeline Beckstead			1966 AP - The northern parcel (200 South Service Rd.) was occupied by a residential dwellings. No other significant changes.
1960-1965	Leonard & Angeline Beckstead			No Other Observations
1959-1960	Arthur Lundy			
1955-1959	Fred Kempler			
1954-1955	Venton Humphries & George Pallett	Residential dwelling	Residential Use	1954 AP - The northern parcel (200 South Service Rd.) appeared to be vacant with signs of earth work.
1953-1954	Gilken Construcion Co. Limited			No Other Observations
1953-1953	Joseph Kleistein			
1950-1953	Chartered Trust Company			
1943-1950	Margaret Naish			
1887-1943	Benjamin F. R. Holdthorpe			1937 FIP - The Property was vacant and undeveloped. Surrounding areas were developed with residential dwellings.
1879-1887	John Holdthorpe	Vacant/undeveloped	Agricultural or Other Use	No Other Observations
Prior to 1879	Crown			

Notes:

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

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

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

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

CD: City Directories

AP: Air Photo

FIP: Fire Insurance Plan

201 Radley Road, Mississauga

TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY

(Refer to clause 16(2)(b), Schedule D, O. Reg. 153/04)

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
2017- Present	10299839 Canada Inc.	Residential	Residential Use	2017 Site Visit - No significant changes.
2014-2017	Chao Miao Chen			2015 AP - No significant changes.
2009-2014	Domenic & Valentina De Marco			No Other Observations
1993-2009	Gerald & Emma Bungay			1990-2001 CD - No significant changes. 2004 AP - No significant changes.
1991-1993	Gene Comassar & Meir Benari			No Other Observations
1953-1991	Alan & Gretta Dixon	Agricultural	Agriculture or other use	1954 AP - A building was observed on the southern parcel (201 Radley Rd.), which resembles the current building configuration. 1959-1990 CD - The Property is occupied for residential use. 1966 & 1978 AP - No significant changes.
1953-1953	Joseph Kleinstein			No Other Observations
1950-1953	Chartered Trusted Company			
1950-1950	Brian Magee			
1943-1950	Margaret Naish			
1887-1943	Benjamin F. R. Holdthorpe			1937 FIP - The Property was vacant and undeveloped. Surrounding areas were developed with residential dwellings.
1879-1887	John Holdthorpe			No Other Observations
Prior to 1879	Crown			

Notes:

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

Agriculture or other use

Commercial use

Community use

Industrial use

Institutional use

Parkland use

Residential use

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CD: City Directories

AP: Air Photo

APPENDIX K

TERRAPROBE INC.

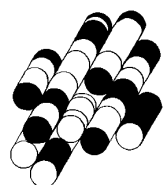


TABLE OF AREAS OF POTENTIAL ENVIRONMENTAL CONCERN
(Refer to clause 16(2)(a), Schedule D, O. Reg. 153/04)

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
APEC 1	Northwest portion of the Phase One Property adjacent to the building located at 200 South Service Road	PCA #28 Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX	Soil and Groundwater

Notes:

1 - Area of Potential Environmental Concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,

(a) identification of past or present uses on, in or under the phase one property, and

(b) identification of potentially contaminating activity.

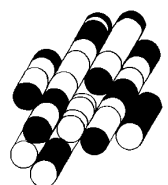
2 - Potentially Contaminating Activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area

3 - when completing this column, identify all contaminants of potential concern using the Method Groups as identified in the Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:
 ABNs, PCBs, Metals, Electrical Conductivity, SAR, CPs, PAHs, As, Sb, Se, Cr (VI),
 1,4-Dioxane, THMs, Na, Hg, Dioxins/Furans, PCDDs/PCDFs VOCs, B-HWS, Methyl Mercury,
 Ocs, BTEX, Cl-, high pH, PHCs, Ca, Mg, CN-, low pH

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

APPENDIX L

TERRAPROBE INC.



200 SOUTH SERVICE ROAD & 201 RADLEY ROAD

MISSISSAUGA ONTARIO

PHASE ONE CONCEPTUAL SITE MODEL

Phase One CSM		Information Pertaining to Property
<i>Figures of the Phase One Study Area are provided that:</i>		
i.	Show any existing buildings and structures,	There is currently developed with a two (2) detached single-storey residential buildings. The building located at 201 Radley Road with a basement (see Figure 2).
ii.	Identify and locate water bodies located in whole or in part on the Phase One Study Area	A review of topographic mapping indicates that a tributary of Humber River located approximately 280 m to the southwest of the Phase One Property.
iii.	Identify and locate any Area of Natural Significance located in whole or in part on the Phase One Study Area	Terraprobe reviewed the Ontario Ministry of Natural Resources NHIC database for natural area listings. No Areas of Natural Significance are located in the Phase One Study Area.
iv.	Locate any drinking water wells at the Phase One Property	No well was identified on the Property during the site inspection or found in the MOECC Water Well Information System (WWIS). Five (5) monitoring wells or unused wells were located within the Study Area.
v.	Show roads, including names, within the Phase One Study Area	The Property is bounded to the north by South Service Road, west by Crestview Avenue, east and south by residential units. Other roads and properties within the Study Area are presented on Figure 3.
vi.	Show use of properties adjacent to the Phase One Property	The land uses of the adjacent properties are shown in Figure 3. The neighboring properties to the Phase One Property are primarily in residential land use.
vii.	Identify and locate area where any potentially contaminating activity has occurred, and show tanks in such areas	Potentially Contaminating Activities (PCAs) located on the Property and within the Study Area are presented on Figure 4.
viii.	Identify and locate any areas of potential environmental concern	One Areas of Potential Environmental Concern (APEC) was identified on the Property. The location of the APEC is presented on Figure 5 and the description of the APEC and potential Contaminants of Concern are described on the Table of Areas of Potential Environmental Concern.
<i>The following is a description and assessment of:</i>		
i.	Any areas where potentially contaminating activity on or potentially affecting the Phase One Property has occurred,	See above list of APECs and Figure 5.
ii.	Any contaminants of potential concern,	Contaminants of Potential Concern (COPCs) identified the Property include: <ul style="list-style-type: none"> • PHCs • BTEX The COPCs have the potential to be present in the soil and

		ground water.
iii.	The potential for underground utilities, if any present, to affect contaminant distribution and transport	There are several underground utilities (water, telephone, gas, storm and sanitary sewers etc.) located on and adjacent to the Property, which have the potential to transport contaminants at the Phase One Property.
iv.	Available regional or site specific geological and hydrogeological information,	<p>Topography</p> <ul style="list-style-type: none"> The approximate elevation of the Property is 99 masl and slopes gently to the south towards Lake Ontario. <p>Hydrogeology</p> <ul style="list-style-type: none"> The nearest water body is Cooksville Creek which is located to 175 m the northeast of the Property. Ground water and surface water is expected to flow to the south/southeast towards Lake Ontario. <p>Geology (overburden)</p> <ul style="list-style-type: none"> The overburden on the Property is mainly comprised of coarse-textured glaciolacustrine deposits consisted of sand, gravel, minor silt and clay of foreshore and basinal deposits (9c). <p>Geology (bedrock)</p> <ul style="list-style-type: none"> The bedrock on the Property is of the Georgian Bay Formation, which is comprised of shale and limestone (55b). <p>Geology (depth to bedrock)</p> <ul style="list-style-type: none"> Based on the published information, bedrock in the vicinity is located approximately 3.4 m below ground surface.
v.	How any uncertainty or absence of information obtained in each of the components of the Phase One ESA could affect the validity of the model.	No uncertainty was encountered while conducting the Phase One ESA that could affect the validity of the model.

Figures:

Figure 1 – Phase One Property Location

Figure 2 – Phase One Property


Figure 3 – Phase One Study Area

Figure 4 – PCA Locations


Figure 5 – APEC Locations

T:\1-Project Files\2017\1-17-0877 - 200 South Service Road & 201 Radley Road, Mississauga\1- Phase One ESA\A. Dwgs. Logs\AutoCAD\1-17-0877-41 Phase One ESA.dwg, JB






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11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650



Reference:
Google Maps 2017

Notes:

Legend:



Phase One Property Boundary

Project Title:
Phase One Environmental Site Assessment

Site Location:
200 South Service Rd & 201 Radley Rd,
Mississauga, Ontario

Figure Title:
PHASE ONE PROPERTY LOCATION

Designed By: JW

Drawn By: JB

Reviewed By: SQ

Date: December 2017

File No.: 1-17-0877-41

Scale: As Shown

Figure No.: 1



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South Service Road



Reference:
Google Maps 2017

Notes:

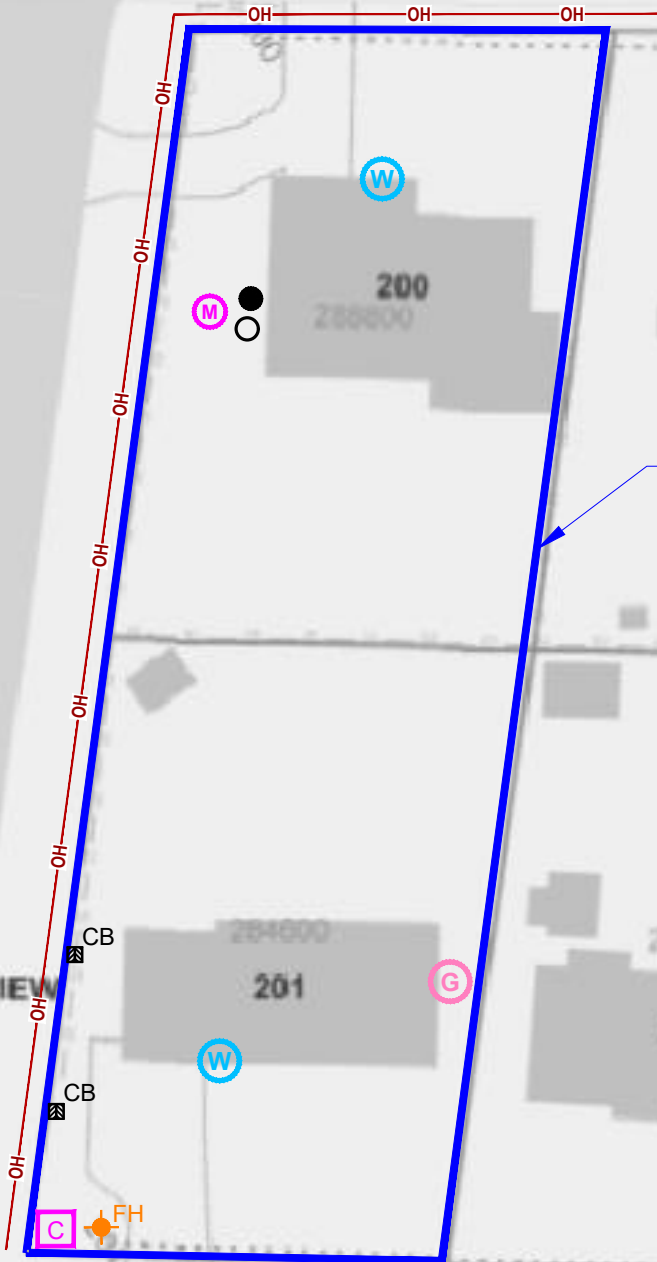
Legend:	
	Phase One Property Boundary
	Fire Hydrant
	Catch Basin
	Overhead Hydro Line
	Gas
	Water
	Vent Pipes
	Fill Pipes
	Communication
	Metal Pipe

Project Title:
Phase One Environmental Site Assessment

Site Location:
200 South Service Rd & 201 Radley Rd,
Mississauga, Ontario


Figure Title:
PHASE ONE PROPERTY

Designed By: JW	File No.: 1-17-0877-41
Drawn By: JB	Scale: As Shown
Reviewed By: SQ	Figure No.: 2
Date: December 2017	




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Reference:
Google Maps 2017

Notes:

Legend:

	Phase One Property Boundary
	Phase One Study Area
	Water Body
	Residential Land Use
	Community Land Use (Roads)
	Commercial Land Use
	Institutional Land Use
	Parkland Use

Project Title:
Phase One Environmental Site Assessment


Site Location:
200 South Service Rd & 201 Radley Rd,
Mississauga, Ontario

Figure Title:
PHASE ONE STUDY AREA


Designed By: JW	File No.: 1-17-0877-41
Drawn By: JB	Scale: As Shown
Reviewed By: SQ	Figure No.: 3
Date: December 2017	

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Reference:
Google Earth Pro 2017

Notes:
PCA - Potentially Contaminating Activity
RED - PCA causing APEC on Property
GREEN - PCA unlikely to affect Property

Legend:

	Phase One Property Boundary
	Phase One Study Area
#28	Gasoline and Associated Products Storage in Fixed Tanks

Project Title:
Phase One Environmental Site Assessment

Site Location:
200 South Service Rd & 201 Radley Rd,
Mississauga, Ontario

Figure Title:
PCA LOCATIONS

Designed By: JW	File No.: 1-17-0877-41
Drawn By: JB	Scale: As Shown
Reviewed By: SQ	Figure No.: 4
Date: December 2017	

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South Service Road



Reference:
Google Maps 2017

Notes:
APEC - Areas of Potential Environmental Concern

Legend:

- Phase One Property Boundary
- APEC 1

Phase One
Property

Project Title:
Phase One Environmental Site Assessment

Site Location:
200 South Service Rd & 201 Radley Rd,
Mississauga, Ontario

Figure Title:
APEC LOCATIONS

Designed By: JW

File No.: 1-17-0877-41

Drawn By: JB

Scale: As Shown

Reviewed By: SQ

Figure No.: 5

Date: December 2017

